

APPENDIX J

ANALYTICAL RESULTS & DUSRS (CD)

150 TONAWANDA

ANALYTICAL RESULTS & DUSRS



Lab Project ID: 183739

Client: **BE3**

Project Reference: 31 + 150 Tonawanda Street

Sample Identifier: BH-1 (6-7')

Lab Sample ID: 183739-01

Matrix: Soil

Date Sampled: 8/15/2018

Date Received: 8/16/2018

Metals

| Analyte | Result | Units | Qualifier | Date Analyzed |
|----------------|---------------|--------------|------------------|----------------------|
| Arsenic | 8.17 | mg/Kg | | 8/20/2018 11:21 |
| Barium | 116 | mg/Kg | | 8/20/2018 11:21 |
| Beryllium | 0.877 | mg/Kg | | 8/20/2018 11:21 |
| Cadmium | 0.361 | mg/Kg | | 8/20/2018 11:21 |
| Chromium | 20.6 | mg/Kg | | 8/20/2018 11:21 |
| Copper | 28.3 | mg/Kg | | 8/20/2018 11:21 |
| Lead | 36.6 | mg/Kg | | 8/20/2018 11:21 |
| Manganese | 325 | mg/Kg | | 8/20/2018 11:21 |
| Nickel | 21.4 | mg/Kg | | 8/20/2018 11:21 |
| Selenium | < 1.22 | mg/Kg | | 8/20/2018 11:21 |
| Silver | 0.487 | mg/Kg | J | 8/21/2018 17:37 |
| Zinc | 115 | mg/Kg | | 8/20/2018 11:21 |

Method Reference(s): EPA 6010C

EPA 3050B

Preparation Date: 8/17/2018

Data File: 180820A

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Friday, August 31, 2018



Lab Project ID: 183739

Client: **BE3**

Project Reference: 31 + 150 Tonawanda Street

Sample Identifier: BH-1 (6-7')

Lab Sample ID: 183739-01

Date Sampled: 8/15/2018

Matrix: Soil

Date Received: 8/16/2018

Mercury

| <u>Analyte</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|-----------------------|----------------------|---------------------|-------------------------|-----------------------------|
| Mercury | 0.0416 | mg/Kg | | 8/27/2018 12:27 |

Method Reference(s): EPA 7471B
Preparation Date: 8/24/2018
Data File: Hg180827B

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Report Prepared Friday, August 31, 2018



Lab Project ID: 183739

Client: **BE3**

Project Reference: 31 + 150 Tonawanda Street

Sample Identifier: BH-1 (6-7')

Lab Sample ID: 183739-01

Matrix: Soil

Date Sampled: 8/15/2018

Date Received: 8/16/2018

PCBs

| <u>Analyte</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|----------------|---------------|--------------|------------------|----------------------|
| PCB-1016 | < 0.0368 | mg/Kg | | 8/23/2018 20:06 |
| PCB-1221 | < 0.0368 | mg/Kg | | 8/23/2018 20:06 |
| PCB-1232 | < 0.0368 | mg/Kg | | 8/23/2018 20:06 |
| PCB-1242 | < 0.0368 | mg/Kg | | 8/23/2018 20:06 |
| PCB-1248 | < 0.0368 | mg/Kg | | 8/23/2018 20:06 |
| PCB-1254 | < 0.0368 | mg/Kg | | 8/23/2018 20:06 |
| PCB-1260 | 0.0205 | mg/Kg | J | 8/23/2018 20:06 |
| PCB-1262 | < 0.0368 | mg/Kg | | 8/23/2018 20:06 |
| PCB-1268 | < 0.0368 | mg/Kg | | 8/23/2018 20:06 |

| <u>Surrogate</u> | <u>Percent Recovery</u> | <u>Limits</u> | <u>Outliers</u> | <u>Date Analyzed</u> |
|----------------------|-------------------------|---------------|-----------------|----------------------|
| Decachlorobiphenyl | 28.7 | 23.4 - 108 | | 8/23/2018 20:06 |
| Tetrachloro-m-xylene | 20.9 | 10 - 84 | | 8/23/2018 20:06 |

Method Reference(s): EPA 8082A

EPA 3546

Preparation Date: 8/23/2018

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Lab Project ID: 183739

Client: **BE3**

Project Reference: 31 + 150 Tonawanda Street

Sample Identifier: BH-1 (6-7')

Lab Sample ID: 183739-01

Matrix: Soil

Date Sampled: 8/15/2018

Date Received: 8/16/2018

Chlorinated Pesticides

| Analyte | Result | Units | Qualifier | Date Analyzed |
|---------------------|-------------|-------|-----------|-----------------|
| 4,4-DDD | < 3.85 | ug/Kg | | 8/21/2018 16:30 |
| 4,4-DDE | < 3.85 | ug/Kg | | 8/21/2018 16:30 |
| 4,4-DDT | 5.45 | ug/Kg | | 8/21/2018 16:30 |
| Aldrin | < 3.85 | ug/Kg | | 8/21/2018 16:30 |
| alpha-BHC | < 3.85 | ug/Kg | | 8/21/2018 16:30 |
| beta-BHC | < 3.85 | ug/Kg | | 8/21/2018 16:30 |
| cis-Chlordane | < 3.85 | ug/Kg | | 8/21/2018 16:30 |
| delta-BHC | < 3.85 | ug/Kg | | 8/21/2018 16:30 |
| Dieldrin | < 3.85 | ug/Kg | | 8/21/2018 16:30 |
| Endosulfan I | < 3.85 | ug/Kg | | 8/21/2018 16:30 |
| Endosulfan II | < 3.85 | ug/Kg | | 8/21/2018 16:30 |
| Endosulfan Sulfate | 2.39 | ug/Kg | JP | 8/21/2018 16:30 |
| Endrin | 4.15 | ug/Kg | P | 8/21/2018 16:30 |
| Endrin Aldehyde | < 3.85 | ug/Kg | | 8/21/2018 16:30 |
| Endrin Ketone | 4.24 | ug/Kg | | 8/21/2018 16:30 |
| gamma-BHC (Lindane) | < 3.85 | ug/Kg | | 8/21/2018 16:30 |
| Heptachlor | < 3.85 | ug/Kg | | 8/21/2018 16:30 |
| Heptachlor Epoxide | < 3.85 | ug/Kg | | 8/21/2018 16:30 |
| Methoxychlor | 7.53 | ug/Kg | P | 8/21/2018 16:30 |
| Toxaphene | < 38.5 | ug/Kg | | 8/21/2018 16:30 |
| trans-Chlordane | < 3.85 | ug/Kg | | 8/21/2018 16:30 |

| Surrogate | Percent Recovery | Limits | Outliers | Date Analyzed |
|--------------------------|------------------|------------|----------|-----------------|
| Decachlorobiphenyl (1) | 110 | 46.2 - 125 | | 8/21/2018 16:30 |
| Tetrachloro-m-xylene (1) | 51.5 | 29 - 98.8 | | 8/21/2018 16:30 |

Method Reference(s): EPA 8081B

EPA 3546

Preparation Date: 8/21/2018

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Lab Project ID: 183739

Client: **BE3**

Project Reference: 31 + 150 Tonawanda Street

Sample Identifier: BH-1 (6-7')

Lab Sample ID: 183739-01

Matrix: Soil

Date Sampled: 8/15/2018

Date Received: 8/16/2018

Semi-Volatile Organics (Acid/Base Neutrals)

| Analyte | Result | Units | Qualifier | Date Analyzed |
|------------------------------|--------|-------|-----------|-----------------|
| 1,1-Biphenyl | < 358 | ug/Kg | | 8/20/2018 17:05 |
| 1,2,4,5-Tetrachlorobenzene | < 358 | ug/Kg | | 8/20/2018 17:05 |
| 1,2,4-Trichlorobenzene | < 358 | ug/Kg | | 8/20/2018 17:05 |
| 1,2-Dichlorobenzene | < 358 | ug/Kg | | 8/20/2018 17:05 |
| 1,3-Dichlorobenzene | < 358 | ug/Kg | | 8/20/2018 17:05 |
| 1,4-Dichlorobenzene | < 358 | ug/Kg | | 8/20/2018 17:05 |
| 2,2-Oxybis (1-chloropropane) | < 358 | ug/Kg | | 8/20/2018 17:05 |
| 2,3,4,6-Tetrachlorophenol | < 358 | ug/Kg | | 8/20/2018 17:05 |
| 2,4,5-Trichlorophenol | < 358 | ug/Kg | | 8/20/2018 17:05 |
| 2,4,6-Trichlorophenol | < 358 | ug/Kg | | 8/20/2018 17:05 |
| 2,4-Dichlorophenol | < 358 | ug/Kg | | 8/20/2018 17:05 |
| 2,4-Dimethylphenol | < 358 | ug/Kg | | 8/20/2018 17:05 |
| 2,4-Dinitrophenol | < 1430 | ug/Kg | M | 8/20/2018 17:05 |
| 2,4-Dinitrotoluene | < 358 | ug/Kg | | 8/20/2018 17:05 |
| 2,6-Dinitrotoluene | < 358 | ug/Kg | | 8/20/2018 17:05 |
| 2-Chloronaphthalene | < 358 | ug/Kg | | 8/20/2018 17:05 |
| 2-Chlorophenol | < 358 | ug/Kg | | 8/20/2018 17:05 |
| 2-Methylnapthalene | 321 | ug/Kg | J | 8/20/2018 17:05 |
| 2-Methylphenol | < 358 | ug/Kg | | 8/20/2018 17:05 |
| 2-Nitroaniline | < 358 | ug/Kg | | 8/20/2018 17:05 |
| 2-Nitrophenol | < 358 | ug/Kg | | 8/20/2018 17:05 |
| 3&4-Methylphenol | < 358 | ug/Kg | | 8/20/2018 17:05 |
| 3,3'-Dichlorobenzidine | < 358 | ug/Kg | | 8/20/2018 17:05 |
| 3-Nitroaniline | < 358 | ug/Kg | | 8/20/2018 17:05 |
| 4,6-Dinitro-2-methylphenol | < 715 | ug/Kg | M | 8/20/2018 17:05 |
| 4-Bromophenyl phenyl ether | < 358 | ug/Kg | | 8/20/2018 17:05 |
| 4-Chloro-3-methylphenol | < 358 | ug/Kg | | 8/20/2018 17:05 |

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Client: **BE3**

Project Reference: 31 + 150 Tonawanda Street

| | | | | | |
|------------------------------|-------------|-------------|--|-----------------------|-----------------|
| Sample Identifier: | | BH-1 (6-7') | | | |
| Lab Sample ID: | | 183739-01 | | Date Sampled: | 8/15/2018 |
| Matrix: | | Soil | | Date Received: | 8/16/2018 |
| 4-Chloroaniline | < 358 | ug/Kg | | | 8/20/2018 17:05 |
| 4-Chlorophenyl phenyl ether | < 358 | ug/Kg | | | 8/20/2018 17:05 |
| 4-Nitroaniline | < 358 | ug/Kg | | | 8/20/2018 17:05 |
| 4-Nitrophenol | < 358 | ug/Kg | | | 8/20/2018 17:05 |
| Acenaphthene | < 358 | ug/Kg | | | 8/20/2018 17:05 |
| Acenaphthylene | 311 | ug/Kg | | J | 8/20/2018 17:05 |
| Acetophenone | < 358 | ug/Kg | | | 8/20/2018 17:05 |
| Anthracene | 389 | ug/Kg | | | 8/20/2018 17:05 |
| Atrazine | < 358 | ug/Kg | | | 8/20/2018 17:05 |
| Benzaldehyde | < 358 | ug/Kg | | | 8/20/2018 17:05 |
| Benzo (a) anthracene | 1140 | ug/Kg | | | 8/20/2018 17:05 |
| Benzo (a) pyrene | 981 | ug/Kg | | | 8/20/2018 17:05 |
| Benzo (b) fluoranthene | 1170 | ug/Kg | | | 8/20/2018 17:05 |
| Benzo (g,h,i) perylene | 732 | ug/Kg | | | 8/20/2018 17:05 |
| Benzo (k) fluoranthene | 735 | ug/Kg | | | 8/20/2018 17:05 |
| Bis (2-chloroethoxy) methane | < 358 | ug/Kg | | | 8/20/2018 17:05 |
| Bis (2-chloroethyl) ether | < 358 | ug/Kg | | | 8/20/2018 17:05 |
| Bis (2-ethylhexyl) phthalate | < 358 | ug/Kg | | | 8/20/2018 17:05 |
| Butylbenzylphthalate | < 358 | ug/Kg | | | 8/20/2018 17:05 |
| Caprolactam | < 358 | ug/Kg | | | 8/20/2018 17:05 |
| Carbazole | < 358 | ug/Kg | | | 8/20/2018 17:05 |
| Chrysene | 1240 | ug/Kg | | | 8/20/2018 17:05 |
| Dibenz (a,h) anthracene | 209 | ug/Kg | | J | 8/20/2018 17:05 |
| Dibenzofuran | < 358 | ug/Kg | | | 8/20/2018 17:05 |
| Diethyl phthalate | < 358 | ug/Kg | | | 8/20/2018 17:05 |
| Dimethyl phthalate | < 358 | ug/Kg | | | 8/20/2018 17:05 |
| Di-n-butyl phthalate | < 358 | ug/Kg | | | 8/20/2018 17:05 |
| Di-n-octylphthalate | < 358 | ug/Kg | | | 8/20/2018 17:05 |
| Fluoranthene | 2340 | ug/Kg | | | 8/20/2018 17:05 |
| Fluorene | < 358 | ug/Kg | | | 8/20/2018 17:05 |

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Lab Project ID: 183739

Client: **BE3**

Project Reference: 31 + 150 Tonawanda Street

Sample Identifier: BH-1 (6-7')

Lab Sample ID: 183739-01

Date Sampled: 8/15/2018

Matrix: Soil

Date Received: 8/16/2018

| | | | | |
|----------------------------|-------------|-------|----|-----------------|
| Hexachlorobenzene | < 358 | ug/Kg | | 8/20/2018 17:05 |
| Hexachlorobutadiene | < 358 | ug/Kg | | 8/20/2018 17:05 |
| Hexachlorocyclopentadiene | < 1430 | ug/Kg | | 8/20/2018 17:05 |
| Hexachloroethane | < 358 | ug/Kg | | 8/20/2018 17:05 |
| Indeno (1,2,3-cd) pyrene | 705 | ug/Kg | | 8/20/2018 17:05 |
| Isophorone | < 358 | ug/Kg | | 8/20/2018 17:05 |
| Naphthalene | 281 | ug/Kg | J | 8/20/2018 17:05 |
| Nitrobenzene | < 358 | ug/Kg | | 8/20/2018 17:05 |
| N-Nitroso-di-n-propylamine | < 358 | ug/Kg | | 8/20/2018 17:05 |
| N-Nitrosodiphenylamine | < 358 | ug/Kg | | 8/20/2018 17:05 |
| Pentachlorophenol | < 715 | ug/Kg | | 8/20/2018 17:05 |
| Phenanthrene | 1440 | ug/Kg | | 8/20/2018 17:05 |
| Phenol | < 358 | ug/Kg | | 8/20/2018 17:05 |
| Pyrene | 1890 | ug/Kg | MD | 8/20/2018 17:05 |

| Surrogate | Percent Recovery | Limits | Outliers | Date Analyzed |
|----------------------|------------------|-------------|----------|-----------------|
| 2,4,6-Tribromophenol | 72.5 | 35.7 - 94.4 | | 8/20/2018 17:05 |
| 2-Fluorobiphenyl | 72.7 | 35.7 - 85.7 | | 8/20/2018 17:05 |
| 2-Fluorophenol | 62.9 | 39.4 - 78.1 | | 8/20/2018 17:05 |
| Nitrobenzene-d5 | 59.5 | 36.1 - 74.4 | | 8/20/2018 17:05 |
| Phenol-d5 | 62.1 | 40.6 - 79.3 | | 8/20/2018 17:05 |
| Terphenyl-d14 | 70.6 | 46.6 - 99.9 | | 8/20/2018 17:05 |

Method Reference(s): EPA 8270D

EPA 3546

Preparation Date: 8/17/2018

Data File: B30572.D

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Lab Project ID: 183739

Client: BE3

Project Reference: 31 + 150 Tonawanda Street

Sample Identifier: BH-1 (6-7')

Lab Sample ID: 183739-01

Matrix: Soil

Date Sampled: 8/15/2018

Date Received: 8/16/2018

Volatile Organics

| Analyte | Result | Units | Qualifier | Date Analyzed |
|-----------------------------|---------------|--------------|------------------|----------------------|
| 1,1,1-Trichloroethane | < 4.87 | ug/Kg | | 8/27/2018 16:58 |
| 1,1,2,2-Tetrachloroethane | < 4.87 | ug/Kg | | 8/27/2018 16:58 |
| 1,1,2-Trichloroethane | < 4.87 | ug/Kg | | 8/27/2018 16:58 |
| 1,1-Dichloroethane | < 4.87 | ug/Kg | | 8/27/2018 16:58 |
| 1,1-Dichloroethene | < 4.87 | ug/Kg | | 8/27/2018 16:58 |
| 1,2,3-Trichlorobenzene | < 12.2 | ug/Kg | | 8/27/2018 16:58 |
| 1,2,4-Trichlorobenzene | < 12.2 | ug/Kg | | 8/27/2018 16:58 |
| 1,2,4-Trimethylbenzene | < 4.87 | ug/Kg | | 8/27/2018 16:58 |
| 1,2-Dibromo-3-Chloropropane | < 24.4 | ug/Kg | | 8/27/2018 16:58 |
| 1,2-Dibromoethane | < 4.87 | ug/Kg | | 8/27/2018 16:58 |
| 1,2-Dichlorobenzene | < 4.87 | ug/Kg | | 8/27/2018 16:58 |
| 1,2-Dichloroethane | < 4.87 | ug/Kg | | 8/27/2018 16:58 |
| 1,2-Dichloropropane | < 4.87 | ug/Kg | | 8/27/2018 16:58 |
| 1,3,5-Trimethylbenzene | < 4.87 | ug/Kg | | 8/27/2018 16:58 |
| 1,3-Dichlorobenzene | < 4.87 | ug/Kg | | 8/27/2018 16:58 |
| 1,4-Dichlorobenzene | < 4.87 | ug/Kg | | 8/27/2018 16:58 |
| 1,4-Dioxane | < 48.7 | ug/Kg | | 8/27/2018 16:58 |
| 2-Butanone | < 24.4 | ug/Kg | | 8/27/2018 16:58 |
| 2-Hexanone | < 12.2 | ug/Kg | | 8/27/2018 16:58 |
| 4-Methyl-2-pentanone | < 12.2 | ug/Kg | | 8/27/2018 16:58 |
| Acetone | < 24.4 | ug/Kg | | 8/27/2018 16:58 |
| Benzene | < 4.87 | ug/Kg | | 8/27/2018 16:58 |
| Bromochloromethane | < 12.2 | ug/Kg | | 8/27/2018 16:58 |
| Bromodichloromethane | < 4.87 | ug/Kg | | 8/27/2018 16:58 |
| Bromoform | < 12.2 | ug/Kg | | 8/27/2018 16:58 |
| Bromomethane | < 4.87 | ug/Kg | | 8/27/2018 16:58 |
| Carbon disulfide | < 4.87 | ug/Kg | | 8/27/2018 16:58 |

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Lab Project ID: 183739

Client: **BE3**

Project Reference: 31 + 150 Tonawanda Street

| | | | | |
|---------------------------|-------------|-------|----------------|-----------------|
| Sample Identifier: | BH-1 (6-7') | | | |
| Lab Sample ID: | 183739-01 | | Date Sampled: | 8/15/2018 |
| Matrix: | Soil | | Date Received: | 8/16/2018 |
| Carbon Tetrachloride | < 4.87 | ug/Kg | | 8/27/2018 16:58 |
| Chlorobenzene | < 4.87 | ug/Kg | | 8/27/2018 16:58 |
| Chloroethane | < 4.87 | ug/Kg | | 8/27/2018 16:58 |
| Chloroform | < 4.87 | ug/Kg | | 8/27/2018 16:58 |
| Chloromethane | < 4.87 | ug/Kg | | 8/27/2018 16:58 |
| cis-1,2-Dichloroethene | 3.93 | ug/Kg | J | 8/27/2018 16:58 |
| cis-1,3-Dichloropropene | < 4.87 | ug/Kg | | 8/27/2018 16:58 |
| Cyclohexane | < 24.4 | ug/Kg | | 8/27/2018 16:58 |
| Dibromochloromethane | < 4.87 | ug/Kg | | 8/27/2018 16:58 |
| Dichlorodifluoromethane | < 4.87 | ug/Kg | | 8/27/2018 16:58 |
| Ethylbenzene | < 4.87 | ug/Kg | | 8/27/2018 16:58 |
| Freon 113 | < 4.87 | ug/Kg | | 8/27/2018 16:58 |
| Isopropylbenzene | < 4.87 | ug/Kg | | 8/27/2018 16:58 |
| m,p-Xylene | 4.98 | ug/Kg | | 8/27/2018 16:58 |
| Methyl acetate | < 4.87 | ug/Kg | | 8/27/2018 16:58 |
| Methyl tert-butyl Ether | < 4.87 | ug/Kg | | 8/27/2018 16:58 |
| Methylcyclohexane | < 4.87 | ug/Kg | | 8/27/2018 16:58 |
| Methylene chloride | < 12.2 | ug/Kg | | 8/27/2018 16:58 |
| Naphthalene | < 12.2 | ug/Kg | | 8/27/2018 16:58 |
| n-Butylbenzene | < 4.87 | ug/Kg | | 8/27/2018 16:58 |
| n-Propylbenzene | < 4.87 | ug/Kg | | 8/27/2018 16:58 |
| o-Xylene | < 4.87 | ug/Kg | | 8/27/2018 16:58 |
| p-Isopropyltoluene | < 4.87 | ug/Kg | | 8/27/2018 16:58 |
| sec-Butylbenzene | < 4.87 | ug/Kg | | 8/27/2018 16:58 |
| Styrene | < 12.2 | ug/Kg | | 8/27/2018 16:58 |
| tert-Butylbenzene | < 4.87 | ug/Kg | | 8/27/2018 16:58 |
| Tetrachloroethene | < 4.87 | ug/Kg | | 8/27/2018 16:58 |
| Toluene | 6.24 | ug/Kg | | 8/27/2018 16:58 |
| trans-1,2-Dichloroethene | < 4.87 | ug/Kg | | 8/27/2018 16:58 |
| trans-1,3-Dichloropropene | < 4.87 | ug/Kg | | 8/27/2018 16:58 |

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Lab Project ID: 183739

Client: **BE3**

Project Reference: 31 + 150 Tonawanda Street

Sample Identifier: BH-1 (6-7')

Lab Sample ID: 183739-01

Date Sampled: 8/15/2018

Matrix: Soil

Date Received: 8/16/2018

| | | | |
|------------------------|--------|-------|-----------------|
| Trichloroethene | < 4.87 | ug/Kg | 8/27/2018 16:58 |
| Trichlorofluoromethane | < 4.87 | ug/Kg | 8/27/2018 16:58 |
| Vinyl chloride | < 4.87 | ug/Kg | 8/27/2018 16:58 |

| Surrogate | Percent Recovery | Limits | Outliers | Date Analyzed |
|-----------------------|------------------|------------|----------|-----------------|
| 1,2-Dichloroethane-d4 | 109 | 80.4 - 128 | | 8/27/2018 16:58 |
| 4-Bromofluorobenzene | 69.1 | 75.7 - 120 | * | 8/27/2018 16:58 |
| Pentafluorobenzene | 92.7 | 85.3 - 111 | | 8/27/2018 16:58 |
| Toluene-D8 | 83.6 | 85 - 112 | * | 8/27/2018 16:58 |

Internal standard outliers indicate probable matrix interference

Method Reference(s): EPA 8260C
EPA 5035A - L

Data File: x53540.D

This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.

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Client: **BE3**

Project Reference: 31 + 150 Tonawanda Street

Sample Identifier: BH-1 (6-7')

Lab Sample ID: 183739-01

Matrix: Soil

Date Sampled: 8/15/2018

Date Received: 8/16/2018

Total Cyanide

| <u>Analyte</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|----------------|---------------|--------------|------------------|----------------------|
| Cyanide, Total | < 0.604 | mg/Kg | | 8/29/2018 |

Method Reference(s): EPA 9014
Preparation Date: 8/28/2018

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Report Prepared Friday, August 31, 2018



Lab Project ID: 183739

Client: **BE3**

Project Reference: 31 + 150 Tonawanda Street

Sample Identifier: BH-2 (8-10') Native

Lab Sample ID: 183739-02

Date Sampled: 8/15/2018

Matrix: Soil

Date Received: 8/16/2018

Metals

| Analyte | Result | Units | Qualifier | Date Analyzed |
|----------------|---------------|--------------|------------------|----------------------|
| Arsenic | 5.18 | mg/Kg | | 8/20/2018 11:26 |
| Barium | 119 | mg/Kg | | 8/20/2018 11:26 |
| Beryllium | 0.841 | mg/Kg | | 8/20/2018 11:26 |
| Cadmium | 0.401 | mg/Kg | | 8/20/2018 11:26 |
| Chromium | 20.9 | mg/Kg | | 8/20/2018 11:26 |
| Copper | 21.0 | mg/Kg | | 8/20/2018 11:26 |
| Lead | 12.0 | mg/Kg | | 8/20/2018 11:26 |
| Manganese | 395 | mg/Kg | | 8/20/2018 11:26 |
| Nickel | 22.3 | mg/Kg | | 8/20/2018 11:26 |
| Selenium | < 2.27 | mg/Kg | | 8/21/2018 17:41 |
| Silver | 1.26 | mg/Kg | | 8/20/2018 11:26 |
| Zinc | 61.3 | mg/Kg | | 8/20/2018 11:26 |

Method Reference(s): EPA 6010C

EPA 3050B

Preparation Date: 8/17/2018

Data File: 180820A

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Friday, August 31, 2018



Lab Project ID: 183739

Client: **BE3**

Project Reference: 31 + 150 Tonawanda Street

Sample Identifier: BH-2 (8-10') Native

Lab Sample ID: 183739-02

Date Sampled: 8/15/2018

Matrix: Soil

Date Received: 8/16/2018

Mercury

| <u>Analyte</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|-----------------------|----------------------|---------------------|-------------------------|-----------------------------|
| Mercury | 0.0292 | mg/Kg | | 8/27/2018 12:29 |

Method Reference(s): EPA 7471B

Preparation Date: 8/24/2018

Data File: Hg180827B

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Friday, August 31, 2018



Lab Project ID: 183739

Client: **BE3**

Project Reference: 31 + 150 Tonawanda Street

Sample Identifier: BH-2 (8-10') Native

Lab Sample ID: 183739-02

Date Sampled: 8/15/2018

Matrix: Soil

Date Received: 8/16/2018

PCBs

| <u>Analyte</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|----------------|---------------|--------------|------------------|----------------------|
| PCB-1016 | < 0.0318 | mg/Kg | | 8/23/2018 20:29 |
| PCB-1221 | < 0.0318 | mg/Kg | | 8/23/2018 20:29 |
| PCB-1232 | < 0.0318 | mg/Kg | | 8/23/2018 20:29 |
| PCB-1242 | < 0.0318 | mg/Kg | | 8/23/2018 20:29 |
| PCB-1248 | < 0.0318 | mg/Kg | | 8/23/2018 20:29 |
| PCB-1254 | < 0.0318 | mg/Kg | | 8/23/2018 20:29 |
| PCB-1260 | < 0.0318 | mg/Kg | | 8/23/2018 20:29 |
| PCB-1262 | < 0.0318 | mg/Kg | | 8/23/2018 20:29 |
| PCB-1268 | < 0.0318 | mg/Kg | | 8/23/2018 20:29 |

| <u>Surrogate</u> | <u>Percent Recovery</u> | <u>Limits</u> | <u>Outliers</u> | <u>Date Analyzed</u> |
|----------------------|-------------------------|---------------|-----------------|----------------------|
| Decachlorobiphenyl | 45.1 | 23.4 - 108 | | 8/23/2018 20:29 |
| Tetrachloro-m-xylene | 35.4 | 10 - 84 | | 8/23/2018 20:29 |

Method Reference(s): EPA 8082A

EPA 3546

Preparation Date: 8/23/2018

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Report Prepared Friday, August 31, 2018



Lab Project ID: 183739

Client: **BE3**

Project Reference: 31 + 150 Tonawanda Street

Sample Identifier: BH-2 (8-10') Native

Lab Sample ID: 183739-02

Date Sampled: 8/15/2018

Matrix: Soil

Date Received: 8/16/2018

Chlorinated Pesticides

| Analyte | Result | Units | Qualifier | Date Analyzed |
|---------------------|--------|-------|-----------|-----------------|
| 4,4-DDD | < 4.06 | ug/Kg | | 8/21/2018 16:46 |
| 4,4-DDE | < 4.06 | ug/Kg | | 8/21/2018 16:46 |
| 4,4-DDT | < 4.06 | ug/Kg | | 8/21/2018 16:46 |
| Aldrin | < 4.06 | ug/Kg | | 8/21/2018 16:46 |
| alpha-BHC | < 4.06 | ug/Kg | | 8/21/2018 16:46 |
| beta-BHC | < 4.06 | ug/Kg | | 8/21/2018 16:46 |
| cis-Chlordane | < 4.06 | ug/Kg | | 8/21/2018 16:46 |
| delta-BHC | < 4.06 | ug/Kg | | 8/21/2018 16:46 |
| Dieldrin | < 4.06 | ug/Kg | | 8/21/2018 16:46 |
| Endosulfan I | < 4.06 | ug/Kg | | 8/21/2018 16:46 |
| Endosulfan II | < 4.06 | ug/Kg | | 8/21/2018 16:46 |
| Endosulfan Sulfate | < 4.06 | ug/Kg | | 8/21/2018 16:46 |
| Endrin | < 4.06 | ug/Kg | | 8/21/2018 16:46 |
| Endrin Aldehyde | < 4.06 | ug/Kg | | 8/21/2018 16:46 |
| Endrin Ketone | < 4.06 | ug/Kg | | 8/21/2018 16:46 |
| gamma-BHC (Lindane) | < 4.06 | ug/Kg | | 8/21/2018 16:46 |
| Heptachlor | < 4.06 | ug/Kg | | 8/21/2018 16:46 |
| Heptachlor Epoxide | < 4.06 | ug/Kg | | 8/21/2018 16:46 |
| Methoxychlor | < 4.06 | ug/Kg | | 8/21/2018 16:46 |
| Toxaphene | < 40.6 | ug/Kg | | 8/21/2018 16:46 |
| trans-Chlordane | < 4.06 | ug/Kg | | 8/21/2018 16:46 |

| Surrogate | Percent Recovery | Limits | Outliers | Date Analyzed |
|--------------------------|------------------|------------|----------|-----------------|
| Decachlorobiphenyl (1) | 88.5 | 46.2 - 125 | | 8/21/2018 16:46 |
| Tetrachloro-m-xylene (1) | 65.2 | 29 - 98.8 | | 8/21/2018 16:46 |

Method Reference(s): EPA 8081B

EPA 3546

Preparation Date: 8/21/2018

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Report Prepared Friday, August 31, 2018



Lab Project ID: 183739

Client: **BE3**

Project Reference: 31 + 150 Tonawanda Street

Sample Identifier: BH-2 (8-10') Native

Lab Sample ID: 183739-02

Date Sampled: 8/15/2018

Matrix: Soil

Date Received: 8/16/2018

Semi-Volatile Organics (Acid/Base Neutrals)

| Analyte | Result | Units | Qualifier | Date Analyzed |
|------------------------------|--------|-------|-----------|-----------------|
| 1,1-Biphenyl | < 335 | ug/Kg | | 8/20/2018 18:35 |
| 1,2,4,5-Tetrachlorobenzene | < 335 | ug/Kg | | 8/20/2018 18:35 |
| 1,2,4-Trichlorobenzene | < 335 | ug/Kg | | 8/20/2018 18:35 |
| 1,2-Dichlorobenzene | < 335 | ug/Kg | | 8/20/2018 18:35 |
| 1,3-Dichlorobenzene | < 335 | ug/Kg | | 8/20/2018 18:35 |
| 1,4-Dichlorobenzene | < 335 | ug/Kg | | 8/20/2018 18:35 |
| 2,2-Oxybis (1-chloropropane) | < 335 | ug/Kg | | 8/20/2018 18:35 |
| 2,3,4,6-Tetrachlorophenol | < 335 | ug/Kg | | 8/20/2018 18:35 |
| 2,4,5-Trichlorophenol | < 335 | ug/Kg | | 8/20/2018 18:35 |
| 2,4,6-Trichlorophenol | < 335 | ug/Kg | | 8/20/2018 18:35 |
| 2,4-Dichlorophenol | < 335 | ug/Kg | | 8/20/2018 18:35 |
| 2,4-Dimethylphenol | < 335 | ug/Kg | | 8/20/2018 18:35 |
| 2,4-Dinitrophenol | < 1340 | ug/Kg | | 8/20/2018 18:35 |
| 2,4-Dinitrotoluene | < 335 | ug/Kg | | 8/20/2018 18:35 |
| 2,6-Dinitrotoluene | < 335 | ug/Kg | | 8/20/2018 18:35 |
| 2-Chloronaphthalene | < 335 | ug/Kg | | 8/20/2018 18:35 |
| 2-Chlorophenol | < 335 | ug/Kg | | 8/20/2018 18:35 |
| 2-Methylnapthalene | < 335 | ug/Kg | | 8/20/2018 18:35 |
| 2-Methylphenol | < 335 | ug/Kg | | 8/20/2018 18:35 |
| 2-Nitroaniline | < 335 | ug/Kg | | 8/20/2018 18:35 |
| 2-Nitrophenol | < 335 | ug/Kg | | 8/20/2018 18:35 |
| 3&4-Methylphenol | < 335 | ug/Kg | | 8/20/2018 18:35 |
| 3,3'-Dichlorobenzidine | < 335 | ug/Kg | | 8/20/2018 18:35 |
| 3-Nitroaniline | < 335 | ug/Kg | | 8/20/2018 18:35 |
| 4,6-Dinitro-2-methylphenol | < 670 | ug/Kg | | 8/20/2018 18:35 |
| 4-Bromophenyl phenyl ether | < 335 | ug/Kg | | 8/20/2018 18:35 |
| 4-Chloro-3-methylphenol | < 335 | ug/Kg | | 8/20/2018 18:35 |

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Report Prepared Friday, August 31, 2018



Lab Project ID: 183739

Client: **BE3**

Project Reference: 31 + 150 Tonawanda Street

| | | | | | |
|------------------------------|------------|---------------------|---|-----------------------|-----------|
| Sample Identifier: | | BH-2 (8-10') Native | | | |
| Lab Sample ID: | | 183739-02 | | Date Sampled: | 8/15/2018 |
| Matrix: | | Soil | | Date Received: | 8/16/2018 |
| 4-Chloroaniline | < 335 | ug/Kg | | 8/20/2018 | 18:35 |
| 4-Chlorophenyl phenyl ether | < 335 | ug/Kg | | 8/20/2018 | 18:35 |
| 4-Nitroaniline | < 335 | ug/Kg | | 8/20/2018 | 18:35 |
| 4-Nitrophenol | < 335 | ug/Kg | | 8/20/2018 | 18:35 |
| Acenaphthene | < 335 | ug/Kg | | 8/20/2018 | 18:35 |
| Acenaphthylene | < 335 | ug/Kg | | 8/20/2018 | 18:35 |
| Acetophenone | < 335 | ug/Kg | | 8/20/2018 | 18:35 |
| Anthracene | < 335 | ug/Kg | | 8/20/2018 | 18:35 |
| Atrazine | < 335 | ug/Kg | | 8/20/2018 | 18:35 |
| Benzaldehyde | < 335 | ug/Kg | | 8/20/2018 | 18:35 |
| Benzo (a) anthracene | 185 | ug/Kg | J | 8/20/2018 | 18:35 |
| Benzo (a) pyrene | < 335 | ug/Kg | | 8/20/2018 | 18:35 |
| Benzo (b) fluoranthene | < 335 | ug/Kg | | 8/20/2018 | 18:35 |
| Benzo (g,h,i) perylene | < 335 | ug/Kg | | 8/20/2018 | 18:35 |
| Benzo (k) fluoranthene | < 335 | ug/Kg | | 8/20/2018 | 18:35 |
| Bis (2-chloroethoxy) methane | < 335 | ug/Kg | | 8/20/2018 | 18:35 |
| Bis (2-chloroethyl) ether | < 335 | ug/Kg | | 8/20/2018 | 18:35 |
| Bis (2-ethylhexyl) phthalate | < 335 | ug/Kg | | 8/20/2018 | 18:35 |
| Butylbenzylphthalate | < 335 | ug/Kg | | 8/20/2018 | 18:35 |
| Caprolactam | < 335 | ug/Kg | | 8/20/2018 | 18:35 |
| Carbazole | < 335 | ug/Kg | | 8/20/2018 | 18:35 |
| Chrysene | 216 | ug/Kg | J | 8/20/2018 | 18:35 |
| Dibenz (a,h) anthracene | < 335 | ug/Kg | | 8/20/2018 | 18:35 |
| Dibenzofuran | < 335 | ug/Kg | | 8/20/2018 | 18:35 |
| Diethyl phthalate | < 335 | ug/Kg | | 8/20/2018 | 18:35 |
| Dimethyl phthalate | < 335 | ug/Kg | | 8/20/2018 | 18:35 |
| Di-n-butyl phthalate | < 335 | ug/Kg | | 8/20/2018 | 18:35 |
| Di-n-octylphthalate | < 335 | ug/Kg | | 8/20/2018 | 18:35 |
| Fluoranthene | 383 | ug/Kg | | 8/20/2018 | 18:35 |
| Fluorene | < 335 | ug/Kg | | 8/20/2018 | 18:35 |

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Report Prepared Friday, August 31, 2018



Lab Project ID: 183739

Client: **BE3**

Project Reference: 31 + 150 Tonawanda Street

Sample Identifier: BH-2 (8-10') Native

Lab Sample ID: 183739-02

Date Sampled: 8/15/2018

Matrix: Soil

Date Received: 8/16/2018

| | | | | |
|----------------------------|------------|-------|-----------|-----------------|
| Hexachlorobenzene | < 335 | ug/Kg | 8/20/2018 | 18:35 |
| Hexachlorobutadiene | < 335 | ug/Kg | 8/20/2018 | 18:35 |
| Hexachlorocyclopentadiene | < 1340 | ug/Kg | 8/20/2018 | 18:35 |
| Hexachloroethane | < 335 | ug/Kg | 8/20/2018 | 18:35 |
| Indeno (1,2,3-cd) pyrene | < 335 | ug/Kg | 8/20/2018 | 18:35 |
| Isophorone | < 335 | ug/Kg | 8/20/2018 | 18:35 |
| Naphthalene | < 335 | ug/Kg | 8/20/2018 | 18:35 |
| Nitrobenzene | < 335 | ug/Kg | 8/20/2018 | 18:35 |
| N-Nitroso-di-n-propylamine | < 335 | ug/Kg | 8/20/2018 | 18:35 |
| N-Nitrosodiphenylamine | < 335 | ug/Kg | 8/20/2018 | 18:35 |
| Pentachlorophenol | < 670 | ug/Kg | 8/20/2018 | 18:35 |
| Phenanthrene | 422 | ug/Kg | 8/20/2018 | 18:35 |
| Phenol | < 335 | ug/Kg | 8/20/2018 | 18:35 |
| Pyrene | 329 | ug/Kg | J | 8/20/2018 18:35 |

| Surrogate | Percent Recovery | Limits | Outliers | Date Analyzed |
|----------------------|------------------|-------------|----------|-----------------|
| 2,4,6-Tribromophenol | 83.8 | 35.7 - 94.4 | | 8/20/2018 18:35 |
| 2-Fluorobiphenyl | 76.4 | 35.7 - 85.7 | | 8/20/2018 18:35 |
| 2-Fluorophenol | 67.0 | 39.4 - 78.1 | | 8/20/2018 18:35 |
| Nitrobenzene-d5 | 63.8 | 36.1 - 74.4 | | 8/20/2018 18:35 |
| Phenol-d5 | 67.4 | 40.6 - 79.3 | | 8/20/2018 18:35 |
| Terphenyl-d14 | 78.8 | 46.6 - 99.9 | | 8/20/2018 18:35 |

Method Reference(s): EPA 8270D

EPA 3546

Preparation Date: 8/17/2018

Data File: B30575.D

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Report Prepared Friday, August 31, 2018



Lab Project ID: 183739

Client: **BE3**

Project Reference: 31 + 150 Tonawanda Street

Sample Identifier: BH-2 (8-10') Native

Lab Sample ID: 183739-02

Date Sampled: 8/15/2018

Matrix: Soil

Date Received: 8/16/2018

Volatile Organics

| Analyte | Result | Units | Qualifier | Date Analyzed |
|-----------------------------|--------|-------|-----------|-----------------|
| 1,1,1-Trichloroethane | < 4.32 | ug/Kg | | 8/27/2018 17:22 |
| 1,1,2,2-Tetrachloroethane | < 4.32 | ug/Kg | | 8/27/2018 17:22 |
| 1,1,2-Trichloroethane | < 4.32 | ug/Kg | | 8/27/2018 17:22 |
| 1,1-Dichloroethane | < 4.32 | ug/Kg | | 8/27/2018 17:22 |
| 1,1-Dichloroethene | < 4.32 | ug/Kg | | 8/27/2018 17:22 |
| 1,2,3-Trichlorobenzene | < 10.8 | ug/Kg | | 8/27/2018 17:22 |
| 1,2,4-Trichlorobenzene | < 10.8 | ug/Kg | | 8/27/2018 17:22 |
| 1,2,4-Trimethylbenzene | < 4.32 | ug/Kg | | 8/27/2018 17:22 |
| 1,2-Dibromo-3-Chloropropane | < 21.6 | ug/Kg | | 8/27/2018 17:22 |
| 1,2-Dibromoethane | < 4.32 | ug/Kg | | 8/27/2018 17:22 |
| 1,2-Dichlorobenzene | < 4.32 | ug/Kg | | 8/27/2018 17:22 |
| 1,2-Dichloroethane | < 4.32 | ug/Kg | | 8/27/2018 17:22 |
| 1,2-Dichloropropane | < 4.32 | ug/Kg | | 8/27/2018 17:22 |
| 1,3,5-Trimethylbenzene | < 4.32 | ug/Kg | | 8/27/2018 17:22 |
| 1,3-Dichlorobenzene | < 4.32 | ug/Kg | | 8/27/2018 17:22 |
| 1,4-Dichlorobenzene | < 4.32 | ug/Kg | | 8/27/2018 17:22 |
| 1,4-Dioxane | < 43.2 | ug/Kg | | 8/27/2018 17:22 |
| 2-Butanone | < 21.6 | ug/Kg | | 8/27/2018 17:22 |
| 2-Hexanone | < 10.8 | ug/Kg | | 8/27/2018 17:22 |
| 4-Methyl-2-pentanone | < 10.8 | ug/Kg | | 8/27/2018 17:22 |
| Acetone | < 21.6 | ug/Kg | | 8/27/2018 17:22 |
| Benzene | < 4.32 | ug/Kg | | 8/27/2018 17:22 |
| Bromochloromethane | < 10.8 | ug/Kg | | 8/27/2018 17:22 |
| Bromodichloromethane | < 4.32 | ug/Kg | | 8/27/2018 17:22 |
| Bromoform | < 10.8 | ug/Kg | | 8/27/2018 17:22 |
| Bromomethane | < 4.32 | ug/Kg | | 8/27/2018 17:22 |
| Carbon disulfide | < 4.32 | ug/Kg | | 8/27/2018 17:22 |

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Report Prepared Friday, August 31, 2018



Lab Project ID: 183739

Client: BE3

Project Reference: 31 + 150 Tonawanda Street

Sample Identifier: BH-2 (8-10') Native

Lab Sample ID: 183739-02

Date Sampled: 8/15/2018

Matrix: Soil

Date Received: 8/16/2018

| | | | |
|---------------------------|--------|-------|-----------------|
| Carbon Tetrachloride | < 4.32 | ug/Kg | 8/27/2018 17:22 |
| Chlorobenzene | < 4.32 | ug/Kg | 8/27/2018 17:22 |
| Chloroethane | < 4.32 | ug/Kg | 8/27/2018 17:22 |
| Chloroform | < 4.32 | ug/Kg | 8/27/2018 17:22 |
| Chloromethane | < 4.32 | ug/Kg | 8/27/2018 17:22 |
| cis-1,2-Dichloroethene | < 4.32 | ug/Kg | 8/27/2018 17:22 |
| cis-1,3-Dichloropropene | < 4.32 | ug/Kg | 8/27/2018 17:22 |
| Cyclohexane | < 21.6 | ug/Kg | 8/27/2018 17:22 |
| Dibromochloromethane | < 4.32 | ug/Kg | 8/27/2018 17:22 |
| Dichlorodifluoromethane | < 4.32 | ug/Kg | 8/27/2018 17:22 |
| Ethylbenzene | < 4.32 | ug/Kg | 8/27/2018 17:22 |
| Freon 113 | < 4.32 | ug/Kg | 8/27/2018 17:22 |
| Isopropylbenzene | < 4.32 | ug/Kg | 8/27/2018 17:22 |
| m,p-Xylene | < 4.32 | ug/Kg | 8/27/2018 17:22 |
| Methyl acetate | < 4.32 | ug/Kg | 8/27/2018 17:22 |
| Methyl tert-butyl Ether | < 4.32 | ug/Kg | 8/27/2018 17:22 |
| Methylcyclohexane | < 4.32 | ug/Kg | 8/27/2018 17:22 |
| Methylene chloride | < 10.8 | ug/Kg | 8/27/2018 17:22 |
| Naphthalene | < 10.8 | ug/Kg | 8/27/2018 17:22 |
| n-Butylbenzene | < 4.32 | ug/Kg | 8/27/2018 17:22 |
| n-Propylbenzene | < 4.32 | ug/Kg | 8/27/2018 17:22 |
| o-Xylene | < 4.32 | ug/Kg | 8/27/2018 17:22 |
| p-Isopropyltoluene | < 4.32 | ug/Kg | 8/27/2018 17:22 |
| sec-Butylbenzene | < 4.32 | ug/Kg | 8/27/2018 17:22 |
| Styrene | < 10.8 | ug/Kg | 8/27/2018 17:22 |
| tert-Butylbenzene | < 4.32 | ug/Kg | 8/27/2018 17:22 |
| Tetrachloroethene | < 4.32 | ug/Kg | 8/27/2018 17:22 |
| Toluene | < 4.32 | ug/Kg | 8/27/2018 17:22 |
| trans-1,2-Dichloroethene | < 4.32 | ug/Kg | 8/27/2018 17:22 |
| trans-1,3-Dichloropropene | < 4.32 | ug/Kg | 8/27/2018 17:22 |

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Report Prepared Friday, August 31, 2018



Lab Project ID: 183739

Client: BE3

Project Reference: 31 + 150 Tonawanda Street

Sample Identifier: BH-2 (8-10') Native

Lab Sample ID: 183739-02

Date Sampled: 8/15/2018

Matrix: Soil

Date Received: 8/16/2018

| | | | | |
|------------------------|--------|-------|-----------|-------|
| Trichloroethene | < 4.32 | ug/Kg | 8/27/2018 | 17:22 |
| Trichlorofluoromethane | < 4.32 | ug/Kg | 8/27/2018 | 17:22 |
| Vinyl chloride | < 4.32 | ug/Kg | 8/27/2018 | 17:22 |

| <u>Surrogate</u> | <u>Percent Recovery</u> | <u>Limits</u> | <u>Outliers</u> | <u>Date Analyzed</u> |
|-----------------------|-------------------------|---------------|-----------------|----------------------|
| 1,2-Dichloroethane-d4 | 112 | 80.4 - 128 | | 8/27/2018 17:22 |
| 4-Bromofluorobenzene | 88.7 | 75.7 - 120 | | 8/27/2018 17:22 |
| Pentafluorobenzene | 96.5 | 85.3 - 111 | | 8/27/2018 17:22 |
| Toluene-D8 | 94.4 | 85 - 112 | | 8/27/2018 17:22 |

Method Reference(s): EPA 8260C
EPA 5035A - L

Data File: x53541.D

This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.

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Report Prepared Friday, August 31, 2018



Lab Project ID: 183739

Client: **BE3**

Project Reference: 31 + 150 Tonawanda Street

Sample Identifier: BH-2 (8-10') Native

Lab Sample ID: 183739-02

Date Sampled: 8/15/2018

Matrix: Soil

Date Received: 8/16/2018

Total Cyanide

| <u>Analyte</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|----------------|---------------|--------------|------------------|----------------------|
| Cyanide, Total | < 0.601 | mg/Kg | | 8/29/2018 |

Method Reference(s): EPA 9014
Preparation Date: 8/28/2018

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Report Prepared Friday, August 31, 2018



Lab Project ID: 183739

Client: **BE3**

Project Reference: 31 + 150 Tonawanda Street

Sample Identifier: BH-6 (5.5-8) Native

Lab Sample ID: 183739-03

Date Sampled: 8/15/2018

Matrix: Soil

Date Received: 8/16/2018

Metals

| Analyte | Result | Units | Qualifier | Date Analyzed |
|----------------|---------------|--------------|------------------|----------------------|
| Arsenic | 3.51 | mg/Kg | | 8/20/2018 11:30 |
| Barium | 94.6 | mg/Kg | | 8/20/2018 11:30 |
| Beryllium | 0.959 | mg/Kg | | 8/20/2018 11:30 |
| Cadmium | 0.377 | mg/Kg | | 8/20/2018 11:30 |
| Chromium | 23.9 | mg/Kg | | 8/20/2018 11:30 |
| Copper | 19.1 | mg/Kg | | 8/20/2018 11:30 |
| Lead | 8.19 | mg/Kg | | 8/20/2018 11:30 |
| Manganese | 366 | mg/Kg | | 8/20/2018 11:30 |
| Nickel | 23.4 | mg/Kg | | 8/20/2018 11:30 |
| Selenium | < 2.35 | mg/Kg | | 8/21/2018 17:46 |
| Silver | 1.37 | mg/Kg | | 8/20/2018 11:30 |
| Zinc | 60.1 | mg/Kg | | 8/20/2018 11:30 |

Method Reference(s): EPA 6010C

EPA 3050B

Preparation Date: 8/17/2018

Data File: 180820A

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Friday, August 31, 2018



Lab Project ID: 183739

Client: **BE3**

Project Reference: 31 + 150 Tonawanda Street

Sample Identifier: BH-6 (5.5-8) Native

Lab Sample ID: 183739-03

Date Sampled: 8/15/2018

Matrix: Soil

Date Received: 8/16/2018

Mercury

| <u>Analyte</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|-----------------------|----------------------|---------------------|-------------------------|-----------------------------|
| Mercury | 0.0162 | mg/Kg | | 8/27/2018 12:32 |

Method Reference(s): EPA 7471B

Preparation Date: 8/24/2018

Data File: Hg180827B

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Friday, August 31, 2018



Lab Project ID: 183739

Client: **BE3**

Project Reference: 31 + 150 Tonawanda Street

Sample Identifier: BH-6 (5.5-8) Native

Lab Sample ID: 183739-03

Date Sampled: 8/15/2018

Matrix: Soil

Date Received: 8/16/2018

PCBs

| <u>Analyte</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|----------------|---------------|--------------|------------------|----------------------|
| PCB-1016 | < 0.0340 | mg/Kg | | 8/23/2018 20:52 |
| PCB-1221 | < 0.0340 | mg/Kg | | 8/23/2018 20:52 |
| PCB-1232 | < 0.0340 | mg/Kg | | 8/23/2018 20:52 |
| PCB-1242 | < 0.0340 | mg/Kg | | 8/23/2018 20:52 |
| PCB-1248 | < 0.0340 | mg/Kg | | 8/23/2018 20:52 |
| PCB-1254 | < 0.0340 | mg/Kg | | 8/23/2018 20:52 |
| PCB-1260 | < 0.0340 | mg/Kg | | 8/23/2018 20:52 |
| PCB-1262 | < 0.0340 | mg/Kg | | 8/23/2018 20:52 |
| PCB-1268 | < 0.0340 | mg/Kg | | 8/23/2018 20:52 |

| <u>Surrogate</u> | <u>Percent Recovery</u> | <u>Limits</u> | <u>Outliers</u> | <u>Date Analyzed</u> |
|----------------------|-------------------------|---------------|-----------------|----------------------|
| Decachlorobiphenyl | 53.9 | 23.4 - 108 | | 8/23/2018 20:52 |
| Tetrachloro-m-xylene | 39.4 | 10 - 84 | | 8/23/2018 20:52 |

Method Reference(s): EPA 8082A

EPA 3546

Preparation Date: 8/23/2018

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Report Prepared Friday, August 31, 2018



Lab Project ID: 183739

Client: **BE3**

Project Reference: 31 + 150 Tonawanda Street

Sample Identifier: BH-6 (5.5-8) Native

Lab Sample ID: 183739-03

Date Sampled: 8/15/2018

Matrix: Soil

Date Received: 8/16/2018

Chlorinated Pesticides

| Analyte | Result | Units | Qualifier | Date Analyzed |
|---------------------|--------|-------|-----------|-----------------|
| 4,4-DDD | < 3.71 | ug/Kg | | 8/21/2018 17:32 |
| 4,4-DDE | < 3.71 | ug/Kg | | 8/21/2018 17:32 |
| 4,4-DDT | < 3.71 | ug/Kg | | 8/21/2018 17:32 |
| Aldrin | < 3.71 | ug/Kg | | 8/21/2018 17:32 |
| alpha-BHC | < 3.71 | ug/Kg | | 8/21/2018 17:32 |
| beta-BHC | < 3.71 | ug/Kg | | 8/21/2018 17:32 |
| cis-Chlordane | < 3.71 | ug/Kg | | 8/21/2018 17:32 |
| delta-BHC | < 3.71 | ug/Kg | | 8/21/2018 17:32 |
| Dieldrin | < 3.71 | ug/Kg | | 8/21/2018 17:32 |
| Endosulfan I | < 3.71 | ug/Kg | | 8/21/2018 17:32 |
| Endosulfan II | < 3.71 | ug/Kg | | 8/21/2018 17:32 |
| Endosulfan Sulfate | < 3.71 | ug/Kg | | 8/21/2018 17:32 |
| Endrin | < 3.71 | ug/Kg | | 8/21/2018 17:32 |
| Endrin Aldehyde | < 3.71 | ug/Kg | | 8/21/2018 17:32 |
| Endrin Ketone | < 3.71 | ug/Kg | | 8/21/2018 17:32 |
| gamma-BHC (Lindane) | < 3.71 | ug/Kg | | 8/21/2018 17:32 |
| Heptachlor | < 3.71 | ug/Kg | | 8/21/2018 17:32 |
| Heptachlor Epoxide | < 3.71 | ug/Kg | | 8/21/2018 17:32 |
| Methoxychlor | < 3.71 | ug/Kg | | 8/21/2018 17:32 |
| Toxaphene | < 37.1 | ug/Kg | | 8/21/2018 17:32 |
| trans-Chlordane | < 3.71 | ug/Kg | | 8/21/2018 17:32 |

| Surrogate | Percent Recovery | Limits | Outliers | Date Analyzed |
|--------------------------|------------------|------------|----------|-----------------|
| Decachlorobiphenyl (1) | 114 | 46.2 - 125 | | 8/21/2018 17:32 |
| Tetrachloro-m-xylene (1) | 81.4 | 29 - 98.8 | | 8/21/2018 17:32 |

Method Reference(s): EPA 8081B

EPA 3546

Preparation Date: 8/21/2018

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Report Prepared Friday, August 31, 2018



Lab Project ID: 183739

Client: **BE3**

Project Reference: 31 + 150 Tonawanda Street

Sample Identifier: BH-6 (5.5-8) Native

Lab Sample ID: 183739-03

Matrix: Soil

Date Sampled: 8/15/2018

Date Received: 8/16/2018

Semi-Volatile Organics (Acid/Base Neutrals)

| Analyte | Result | Units | Qualifier | Date Analyzed |
|------------------------------|--------|-------|-----------|-----------------|
| 1,1-Biphenyl | < 330 | ug/Kg | | 8/20/2018 19:04 |
| 1,2,4,5-Tetrachlorobenzene | < 330 | ug/Kg | | 8/20/2018 19:04 |
| 1,2,4-Trichlorobenzene | < 330 | ug/Kg | | 8/20/2018 19:04 |
| 1,2-Dichlorobenzene | < 330 | ug/Kg | | 8/20/2018 19:04 |
| 1,3-Dichlorobenzene | < 330 | ug/Kg | | 8/20/2018 19:04 |
| 1,4-Dichlorobenzene | < 330 | ug/Kg | | 8/20/2018 19:04 |
| 2,2-Oxybis (1-chloropropane) | < 330 | ug/Kg | | 8/20/2018 19:04 |
| 2,3,4,6-Tetrachlorophenol | < 330 | ug/Kg | | 8/20/2018 19:04 |
| 2,4,5-Trichlorophenol | < 330 | ug/Kg | | 8/20/2018 19:04 |
| 2,4,6-Trichlorophenol | < 330 | ug/Kg | | 8/20/2018 19:04 |
| 2,4-Dichlorophenol | < 330 | ug/Kg | | 8/20/2018 19:04 |
| 2,4-Dimethylphenol | < 330 | ug/Kg | | 8/20/2018 19:04 |
| 2,4-Dinitrophenol | < 1320 | ug/Kg | | 8/20/2018 19:04 |
| 2,4-Dinitrotoluene | < 330 | ug/Kg | | 8/20/2018 19:04 |
| 2,6-Dinitrotoluene | < 330 | ug/Kg | | 8/20/2018 19:04 |
| 2-Chloronaphthalene | < 330 | ug/Kg | | 8/20/2018 19:04 |
| 2-Chlorophenol | < 330 | ug/Kg | | 8/20/2018 19:04 |
| 2-Methylnapthalene | < 330 | ug/Kg | | 8/20/2018 19:04 |
| 2-Methylphenol | < 330 | ug/Kg | | 8/20/2018 19:04 |
| 2-Nitroaniline | < 330 | ug/Kg | | 8/20/2018 19:04 |
| 2-Nitrophenol | < 330 | ug/Kg | | 8/20/2018 19:04 |
| 3&4-Methylphenol | < 330 | ug/Kg | | 8/20/2018 19:04 |
| 3,3'-Dichlorobenzidine | < 330 | ug/Kg | | 8/20/2018 19:04 |
| 3-Nitroaniline | < 330 | ug/Kg | | 8/20/2018 19:04 |
| 4,6-Dinitro-2-methylphenol | < 661 | ug/Kg | | 8/20/2018 19:04 |
| 4-Bromophenyl phenyl ether | < 330 | ug/Kg | | 8/20/2018 19:04 |
| 4-Chloro-3-methylphenol | < 330 | ug/Kg | | 8/20/2018 19:04 |

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Report Prepared Friday, August 31, 2018



Lab Project ID: 183739

Client: **BE3**

Project Reference: 31 + 150 Tonawanda Street

Sample Identifier: BH-6 (5.5-8) Native

Lab Sample ID: 183739-03

Date Sampled: 8/15/2018

Matrix: Soil

Date Received: 8/16/2018

| | | | |
|------------------------------|-------|-------|-----------------|
| 4-Chloroaniline | < 330 | ug/Kg | 8/20/2018 19:04 |
| 4-Chlorophenyl phenyl ether | < 330 | ug/Kg | 8/20/2018 19:04 |
| 4-Nitroaniline | < 330 | ug/Kg | 8/20/2018 19:04 |
| 4-Nitrophenol | < 330 | ug/Kg | 8/20/2018 19:04 |
| Acenaphthene | < 330 | ug/Kg | 8/20/2018 19:04 |
| Acenaphthylene | < 330 | ug/Kg | 8/20/2018 19:04 |
| Acetophenone | < 330 | ug/Kg | 8/20/2018 19:04 |
| Anthracene | < 330 | ug/Kg | 8/20/2018 19:04 |
| Atrazine | < 330 | ug/Kg | 8/20/2018 19:04 |
| Benzaldehyde | < 330 | ug/Kg | 8/20/2018 19:04 |
| Benzo (a) anthracene | < 330 | ug/Kg | 8/20/2018 19:04 |
| Benzo (a) pyrene | < 330 | ug/Kg | 8/20/2018 19:04 |
| Benzo (b) fluoranthene | < 330 | ug/Kg | 8/20/2018 19:04 |
| Benzo (g,h,i) perylene | < 330 | ug/Kg | 8/20/2018 19:04 |
| Benzo (k) fluoranthene | < 330 | ug/Kg | 8/20/2018 19:04 |
| Bis (2-chloroethoxy) methane | < 330 | ug/Kg | 8/20/2018 19:04 |
| Bis (2-chloroethyl) ether | < 330 | ug/Kg | 8/20/2018 19:04 |
| Bis (2-ethylhexyl) phthalate | < 330 | ug/Kg | 8/20/2018 19:04 |
| Butylbenzylphthalate | < 330 | ug/Kg | 8/20/2018 19:04 |
| Caprolactam | < 330 | ug/Kg | 8/20/2018 19:04 |
| Carbazole | < 330 | ug/Kg | 8/20/2018 19:04 |
| Chrysene | < 330 | ug/Kg | 8/20/2018 19:04 |
| Dibenz (a,h) anthracene | < 330 | ug/Kg | 8/20/2018 19:04 |
| Dibenzofuran | < 330 | ug/Kg | 8/20/2018 19:04 |
| Diethyl phthalate | < 330 | ug/Kg | 8/20/2018 19:04 |
| Dimethyl phthalate | < 330 | ug/Kg | 8/20/2018 19:04 |
| Di-n-butyl phthalate | < 330 | ug/Kg | 8/20/2018 19:04 |
| Di-n-octylphthalate | < 330 | ug/Kg | 8/20/2018 19:04 |
| Fluoranthene | < 330 | ug/Kg | 8/20/2018 19:04 |
| Fluorene | < 330 | ug/Kg | 8/20/2018 19:04 |

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Report Prepared Friday, August 31, 2018



Lab Project ID: 183739

Client: **BE3**

Project Reference: 31 + 150 Tonawanda Street

Sample Identifier: BH-6 (5.5-8) Native

Lab Sample ID: 183739-03

Date Sampled: 8/15/2018

Matrix: Soil

Date Received: 8/16/2018

| | | | | |
|----------------------------|--------|-------|-----------|-------|
| Hexachlorobenzene | < 330 | ug/Kg | 8/20/2018 | 19:04 |
| Hexachlorobutadiene | < 330 | ug/Kg | 8/20/2018 | 19:04 |
| Hexachlorocyclopentadiene | < 1320 | ug/Kg | 8/20/2018 | 19:04 |
| Hexachloroethane | < 330 | ug/Kg | 8/20/2018 | 19:04 |
| Indeno (1,2,3-cd) pyrene | < 330 | ug/Kg | 8/20/2018 | 19:04 |
| Isophorone | < 330 | ug/Kg | 8/20/2018 | 19:04 |
| Naphthalene | < 330 | ug/Kg | 8/20/2018 | 19:04 |
| Nitrobenzene | < 330 | ug/Kg | 8/20/2018 | 19:04 |
| N-Nitroso-di-n-propylamine | < 330 | ug/Kg | 8/20/2018 | 19:04 |
| N-Nitrosodiphenylamine | < 330 | ug/Kg | 8/20/2018 | 19:04 |
| Pentachlorophenol | < 661 | ug/Kg | 8/20/2018 | 19:04 |
| Phenanthrene | < 330 | ug/Kg | 8/20/2018 | 19:04 |
| Phenol | < 330 | ug/Kg | 8/20/2018 | 19:04 |
| Pyrene | < 330 | ug/Kg | 8/20/2018 | 19:04 |

| Surrogate | Percent Recovery | Limits | Outliers | Date Analyzed |
|----------------------|------------------|-------------|----------|-----------------|
| 2,4,6-Tribromophenol | 66.1 | 35.7 - 94.4 | | 8/20/2018 19:04 |
| 2-Fluorobiphenyl | 68.4 | 35.7 - 85.7 | | 8/20/2018 19:04 |
| 2-Fluorophenol | 60.7 | 39.4 - 78.1 | | 8/20/2018 19:04 |
| Nitrobenzene-d5 | 55.9 | 36.1 - 74.4 | | 8/20/2018 19:04 |
| Phenol-d5 | 60.2 | 40.6 - 79.3 | | 8/20/2018 19:04 |
| Terphenyl-d14 | 75.8 | 46.6 - 99.9 | | 8/20/2018 19:04 |

Method Reference(s): EPA 8270D

EPA 3546

Preparation Date: 8/17/2018

Data File: B30576.D

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Report Prepared Friday, August 31, 2018



Lab Project ID: 183739

Client: BE3

Project Reference: 31 + 150 Tonawanda Street

Sample Identifier: BH-6 (5.5-8) Native

Lab Sample ID: 183739-03

Matrix: Soil

Date Sampled: 8/15/2018

Date Received: 8/16/2018

Volatile Organics

| Analyte | Result | Units | Qualifier | Date Analyzed |
|-----------------------------|---------------|--------------|------------------|----------------------|
| 1,1,1-Trichloroethane | < 4.76 | ug/Kg | | 8/27/2018 17:46 |
| 1,1,2,2-Tetrachloroethane | < 4.76 | ug/Kg | | 8/27/2018 17:46 |
| 1,1,2-Trichloroethane | < 4.76 | ug/Kg | | 8/27/2018 17:46 |
| 1,1-Dichloroethane | < 4.76 | ug/Kg | | 8/27/2018 17:46 |
| 1,1-Dichloroethene | < 4.76 | ug/Kg | | 8/27/2018 17:46 |
| 1,2,3-Trichlorobenzene | < 11.9 | ug/Kg | | 8/27/2018 17:46 |
| 1,2,4-Trichlorobenzene | < 11.9 | ug/Kg | | 8/27/2018 17:46 |
| 1,2,4-Trimethylbenzene | < 4.76 | ug/Kg | | 8/27/2018 17:46 |
| 1,2-Dibromo-3-Chloropropane | < 23.8 | ug/Kg | | 8/27/2018 17:46 |
| 1,2-Dibromoethane | < 4.76 | ug/Kg | | 8/27/2018 17:46 |
| 1,2-Dichlorobenzene | < 4.76 | ug/Kg | | 8/27/2018 17:46 |
| 1,2-Dichloroethane | < 4.76 | ug/Kg | | 8/27/2018 17:46 |
| 1,2-Dichloropropane | < 4.76 | ug/Kg | | 8/27/2018 17:46 |
| 1,3,5-Trimethylbenzene | < 4.76 | ug/Kg | | 8/27/2018 17:46 |
| 1,3-Dichlorobenzene | < 4.76 | ug/Kg | | 8/27/2018 17:46 |
| 1,4-Dichlorobenzene | < 4.76 | ug/Kg | | 8/27/2018 17:46 |
| 1,4-Dioxane | < 47.6 | ug/Kg | | 8/27/2018 17:46 |
| 2-Butanone | < 23.8 | ug/Kg | | 8/27/2018 17:46 |
| 2-Hexanone | < 11.9 | ug/Kg | | 8/27/2018 17:46 |
| 4-Methyl-2-pentanone | < 11.9 | ug/Kg | | 8/27/2018 17:46 |
| Acetone | < 23.8 | ug/Kg | | 8/27/2018 17:46 |
| Benzene | < 4.76 | ug/Kg | | 8/27/2018 17:46 |
| Bromochloromethane | < 11.9 | ug/Kg | | 8/27/2018 17:46 |
| Bromodichloromethane | < 4.76 | ug/Kg | | 8/27/2018 17:46 |
| Bromoform | < 11.9 | ug/Kg | | 8/27/2018 17:46 |
| Bromomethane | < 4.76 | ug/Kg | | 8/27/2018 17:46 |
| Carbon disulfide | < 4.76 | ug/Kg | | 8/27/2018 17:46 |

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Report Prepared Friday, August 31, 2018



Lab Project ID: 183739

Client: BE3

Project Reference: 31 + 150 Tonawanda Street

Sample Identifier: BH-6 (5.5-8) Native

Lab Sample ID: 183739-03

Date Sampled: 8/15/2018

Matrix: Soil

Date Received: 8/16/2018

| | | | |
|---------------------------|--------|-------|-----------------|
| Carbon Tetrachloride | < 4.76 | ug/Kg | 8/27/2018 17:46 |
| Chlorobenzene | < 4.76 | ug/Kg | 8/27/2018 17:46 |
| Chloroethane | < 4.76 | ug/Kg | 8/27/2018 17:46 |
| Chloroform | < 4.76 | ug/Kg | 8/27/2018 17:46 |
| Chloromethane | < 4.76 | ug/Kg | 8/27/2018 17:46 |
| cis-1,2-Dichloroethene | < 4.76 | ug/Kg | 8/27/2018 17:46 |
| cis-1,3-Dichloropropene | < 4.76 | ug/Kg | 8/27/2018 17:46 |
| Cyclohexane | < 23.8 | ug/Kg | 8/27/2018 17:46 |
| Dibromochloromethane | < 4.76 | ug/Kg | 8/27/2018 17:46 |
| Dichlorodifluoromethane | < 4.76 | ug/Kg | 8/27/2018 17:46 |
| Ethylbenzene | < 4.76 | ug/Kg | 8/27/2018 17:46 |
| Freon 113 | < 4.76 | ug/Kg | 8/27/2018 17:46 |
| Isopropylbenzene | < 4.76 | ug/Kg | 8/27/2018 17:46 |
| m,p-Xylene | < 4.76 | ug/Kg | 8/27/2018 17:46 |
| Methyl acetate | < 4.76 | ug/Kg | 8/27/2018 17:46 |
| Methyl tert-butyl Ether | < 4.76 | ug/Kg | 8/27/2018 17:46 |
| Methylcyclohexane | < 4.76 | ug/Kg | 8/27/2018 17:46 |
| Methylene chloride | < 11.9 | ug/Kg | 8/27/2018 17:46 |
| Naphthalene | < 11.9 | ug/Kg | 8/27/2018 17:46 |
| n-Butylbenzene | < 4.76 | ug/Kg | 8/27/2018 17:46 |
| n-Propylbenzene | < 4.76 | ug/Kg | 8/27/2018 17:46 |
| o-Xylene | < 4.76 | ug/Kg | 8/27/2018 17:46 |
| p-Isopropyltoluene | < 4.76 | ug/Kg | 8/27/2018 17:46 |
| sec-Butylbenzene | < 4.76 | ug/Kg | 8/27/2018 17:46 |
| Styrene | < 11.9 | ug/Kg | 8/27/2018 17:46 |
| tert-Butylbenzene | < 4.76 | ug/Kg | 8/27/2018 17:46 |
| Tetrachloroethene | < 4.76 | ug/Kg | 8/27/2018 17:46 |
| Toluene | < 4.76 | ug/Kg | 8/27/2018 17:46 |
| trans-1,2-Dichloroethene | < 4.76 | ug/Kg | 8/27/2018 17:46 |
| trans-1,3-Dichloropropene | < 4.76 | ug/Kg | 8/27/2018 17:46 |

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Report Prepared Friday, August 31, 2018



Lab Project ID: 183739

Client: **BE3**

Project Reference: 31 + 150 Tonawanda Street

Sample Identifier: BH-6 (5.5-8) Native

Lab Sample ID: 183739-03

Date Sampled: 8/15/2018

Matrix: Soil

Date Received: 8/16/2018

| | | | |
|------------------------|--------|-------|-----------------|
| Trichloroethene | < 4.76 | ug/Kg | 8/27/2018 17:46 |
| Trichlorofluoromethane | < 4.76 | ug/Kg | 8/27/2018 17:46 |
| Vinyl chloride | < 4.76 | ug/Kg | 8/27/2018 17:46 |

| Surrogate | Percent Recovery | Limits | Outliers | Date Analyzed |
|-----------------------|------------------|------------|----------|-----------------|
| 1,2-Dichloroethane-d4 | 109 | 80.4 - 128 | | 8/27/2018 17:46 |
| 4-Bromofluorobenzene | 82.5 | 75.7 - 120 | | 8/27/2018 17:46 |
| Pentafluorobenzene | 87.7 | 85.3 - 111 | | 8/27/2018 17:46 |
| Toluene-D8 | 89.9 | 85 - 112 | | 8/27/2018 17:46 |

Method Reference(s): EPA 8260C
EPA 5035A - L
Data File: x53542.D

This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.

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Report Prepared Friday, August 31, 2018



Lab Project ID: 183739

Client: **BE3**

Project Reference: 31 + 150 Tonawanda Street

Sample Identifier: BH-6 (5.5-8) Native

Lab Sample ID: 183739-03

Date Sampled: 8/15/2018

Matrix: Soil

Date Received: 8/16/2018

Total Cyanide

| <u>Analyte</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|----------------|---------------|--------------|------------------|----------------------|
| Cyanide, Total | < 0.605 | mg/Kg | | 8/29/2018 |

Method Reference(s): EPA 9014
Preparation Date: 8/28/2018

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Report Prepared Friday, August 31, 2018



Lab Project ID: 183739

Client: **BE3**

Project Reference: 31 + 150 Tonawanda Street

Sample Identifier: BH-5 (2-4)

Lab Sample ID: 183739-04

Matrix: Soil

Date Sampled: 8/15/2018

Date Received: 8/16/2018

Metals

| Analyte | Result | Units | Qualifier | Date Analyzed |
|----------------|---------------|--------------|------------------|----------------------|
| Arsenic | 3.96 | mg/Kg | M | 8/20/2018 11:35 |
| Barium | 64.2 | mg/Kg | | 8/20/2018 11:35 |
| Beryllium | 0.582 | mg/Kg | | 8/20/2018 11:35 |
| Cadmium | 0.544 | mg/Kg | M | 8/20/2018 11:35 |
| Chromium | 24.7 | mg/Kg | M | 8/20/2018 11:35 |
| Copper | 54.5 | mg/Kg | DM | 8/20/2018 11:35 |
| Lead | 23.1 | mg/Kg | DM | 8/20/2018 11:35 |
| Manganese | 1560 | mg/Kg | D | 8/21/2018 17:50 |
| Nickel | 20.0 | mg/Kg | M | 8/20/2018 11:35 |
| Selenium | < 1.07 | mg/Kg | | 8/20/2018 11:35 |
| Silver | 1.98 | mg/Kg | D | 8/20/2018 11:35 |
| Zinc | 71.3 | mg/Kg | M | 8/20/2018 11:35 |

Method Reference(s): EPA 6010C

EPA 3050B

Preparation Date: 8/17/2018

Data File: 180820A

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Friday, August 31, 2018



Lab Project ID: 183739

Client: **BE3**

Project Reference: 31 + 150 Tonawanda Street

Sample Identifier: BH-5 (2-4)

Lab Sample ID: 183739-04

Matrix: Soil

Date Sampled: 8/15/2018

Date Received: 8/16/2018

Mercury

| <u>Analyte</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|----------------|---------------|--------------|------------------|----------------------|
| Mercury | 0.0524 | mg/Kg | | 8/27/2018 12:35 |

Method Reference(s): EPA 7471B
Preparation Date: 8/24/2018
Data File: Hg180827B

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Friday, August 31, 2018



Lab Project ID: 183739

Client: **BE3**

Project Reference: 31 + 150 Tonawanda Street

Sample Identifier: BH-5 (2-4)

Lab Sample ID: 183739-04

Matrix: Soil

Date Sampled: 8/15/2018

Date Received: 8/16/2018

PCBs

| <u>Analyte</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|----------------|---------------|--------------|------------------|----------------------|
| PCB-1016 | < 0.0312 | mg/Kg | | 8/23/2018 21:15 |
| PCB-1221 | < 0.0312 | mg/Kg | | 8/23/2018 21:15 |
| PCB-1232 | < 0.0312 | mg/Kg | | 8/23/2018 21:15 |
| PCB-1242 | < 0.0312 | mg/Kg | | 8/23/2018 21:15 |
| PCB-1248 | < 0.0312 | mg/Kg | | 8/23/2018 21:15 |
| PCB-1254 | < 0.0312 | mg/Kg | | 8/23/2018 21:15 |
| PCB-1260 | < 0.0312 | mg/Kg | | 8/23/2018 21:15 |
| PCB-1262 | < 0.0312 | mg/Kg | | 8/23/2018 21:15 |
| PCB-1268 | < 0.0312 | mg/Kg | | 8/23/2018 21:15 |

| <u>Surrogate</u> | <u>Percent Recovery</u> | <u>Limits</u> | <u>Outliers</u> | <u>Date Analyzed</u> |
|----------------------|-------------------------|---------------|-----------------|----------------------|
| Decachlorobiphenyl | 55.9 | 23.4 - 108 | | 8/23/2018 21:15 |
| Tetrachloro-m-xylene | 45.0 | 10 - 84 | | 8/23/2018 21:15 |

Method Reference(s): EPA 8082A

EPA 3546

Preparation Date: 8/23/2018

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Report Prepared Friday, August 31, 2018



Lab Project ID: 183739

Client: **BE3**

Project Reference: 31 + 150 Tonawanda Street

Sample Identifier: BH-5 (2-4)

Lab Sample ID: 183739-04

Matrix: Soil

Date Sampled: 8/15/2018

Date Received: 8/16/2018

Chlorinated Pesticides

| Analyte | Result | Units | Qualifier | Date Analyzed |
|---------------------|-------------|-------|-----------|-----------------|
| 4,4-DDD | < 3.75 | ug/Kg | | 8/23/2018 18:41 |
| 4,4-DDE | < 3.75 | ug/Kg | | 8/23/2018 18:41 |
| 4,4-DDT | < 3.75 | ug/Kg | | 8/23/2018 18:41 |
| Aldrin | < 3.75 | ug/Kg | | 8/23/2018 18:41 |
| alpha-BHC | < 3.75 | ug/Kg | | 8/23/2018 18:41 |
| beta-BHC | < 3.75 | ug/Kg | | 8/23/2018 18:41 |
| cis-Chlordane | 2.19 | ug/Kg | J | 8/23/2018 18:41 |
| delta-BHC | < 3.75 | ug/Kg | | 8/23/2018 18:41 |
| Dieldrin | < 3.75 | ug/Kg | | 8/23/2018 18:41 |
| Endosulfan I | < 3.75 | ug/Kg | | 8/23/2018 18:41 |
| Endosulfan II | < 3.75 | ug/Kg | | 8/23/2018 18:41 |
| Endosulfan Sulfate | 2.77 | ug/Kg | JP | 8/23/2018 18:41 |
| Endrin | < 3.75 | ug/Kg | | 8/23/2018 18:41 |
| Endrin Aldehyde | 1.95 | ug/Kg | J | 8/23/2018 18:41 |
| Endrin Ketone | 1.88 | ug/Kg | JP | 8/23/2018 18:41 |
| gamma-BHC (Lindane) | < 3.75 | ug/Kg | | 8/23/2018 18:41 |
| Heptachlor | < 3.75 | ug/Kg | | 8/23/2018 18:41 |
| Heptachlor Epoxide | < 3.75 | ug/Kg | | 8/23/2018 18:41 |
| Methoxychlor | < 3.75 | ug/Kg | | 8/23/2018 18:41 |
| Toxaphene | < 37.5 | ug/Kg | | 8/23/2018 18:41 |
| trans-Chlordane | < 3.75 | ug/Kg | | 8/23/2018 18:41 |

| Surrogate | Percent Recovery | Limits | Outliers | Date Analyzed |
|--------------------------|------------------|------------|----------|-----------------|
| Decachlorobiphenyl (1) | 86.6 | 46.2 - 125 | | 8/23/2018 18:41 |
| Tetrachloro-m-xylene (1) | 63.7 | 29 - 98.8 | | 8/23/2018 18:41 |

Method Reference(s): EPA 8081B

EPA 3546

Preparation Date: 8/21/2018

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Report Prepared Friday, August 31, 2018



Lab Project ID: 183739

Client: BE3

Project Reference: 31 + 150 Tonawanda Street

Sample Identifier: BH-5 (2-4)

Lab Sample ID: 183739-04

Matrix: Soil

Date Sampled: 8/15/2018

Date Received: 8/16/2018

Semi-Volatile Organics (Acid/Base Neutrals)

| Analyte | Result | Units | Qualifier | Date Analyzed |
|------------------------------|---------------|--------------|------------------|----------------------|
| 1,1-Biphenyl | < 314 | ug/Kg | | 8/20/2018 19:34 |
| 1,2,4,5-Tetrachlorobenzene | < 314 | ug/Kg | | 8/20/2018 19:34 |
| 1,2,4-Trichlorobenzene | < 314 | ug/Kg | | 8/20/2018 19:34 |
| 1,2-Dichlorobenzene | < 314 | ug/Kg | | 8/20/2018 19:34 |
| 1,3-Dichlorobenzene | < 314 | ug/Kg | | 8/20/2018 19:34 |
| 1,4-Dichlorobenzene | < 314 | ug/Kg | | 8/20/2018 19:34 |
| 2,2-Oxybis (1-chloropropane) | < 314 | ug/Kg | | 8/20/2018 19:34 |
| 2,3,4,6-Tetrachlorophenol | < 314 | ug/Kg | | 8/20/2018 19:34 |
| 2,4,5-Trichlorophenol | < 314 | ug/Kg | | 8/20/2018 19:34 |
| 2,4,6-Trichlorophenol | < 314 | ug/Kg | | 8/20/2018 19:34 |
| 2,4-Dichlorophenol | < 314 | ug/Kg | | 8/20/2018 19:34 |
| 2,4-Dimethylphenol | < 314 | ug/Kg | | 8/20/2018 19:34 |
| 2,4-Dinitrophenol | < 1260 | ug/Kg | | 8/20/2018 19:34 |
| 2,4-Dinitrotoluene | < 314 | ug/Kg | | 8/20/2018 19:34 |
| 2,6-Dinitrotoluene | < 314 | ug/Kg | | 8/20/2018 19:34 |
| 2-Chloronaphthalene | < 314 | ug/Kg | | 8/20/2018 19:34 |
| 2-Chlorophenol | < 314 | ug/Kg | | 8/20/2018 19:34 |
| 2-Methylnapthalene | < 314 | ug/Kg | | 8/20/2018 19:34 |
| 2-Methylphenol | < 314 | ug/Kg | | 8/20/2018 19:34 |
| 2-Nitroaniline | < 314 | ug/Kg | | 8/20/2018 19:34 |
| 2-Nitrophenol | < 314 | ug/Kg | | 8/20/2018 19:34 |
| 3&4-Methylphenol | < 314 | ug/Kg | | 8/20/2018 19:34 |
| 3,3'-Dichlorobenzidine | < 314 | ug/Kg | | 8/20/2018 19:34 |
| 3-Nitroaniline | < 314 | ug/Kg | | 8/20/2018 19:34 |
| 4,6-Dinitro-2-methylphenol | < 628 | ug/Kg | | 8/20/2018 19:34 |
| 4-Bromophenyl phenyl ether | < 314 | ug/Kg | | 8/20/2018 19:34 |
| 4-Chloro-3-methylphenol | < 314 | ug/Kg | | 8/20/2018 19:34 |

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Lab Project ID: 183739

Client: **BE3**

Project Reference: 31 + 150 Tonawanda Street

| | | | | | |
|------------------------------|-------------|------------|---|---------------------------------|-------|
| Sample Identifier: | | BH-5 (2-4) | | | |
| Lab Sample ID: | | 183739-04 | | Date Sampled: 8/15/2018 | |
| Matrix: | | Soil | | Date Received: 8/16/2018 | |
| 4-Chloroaniline | < 314 | ug/Kg | | 8/20/2018 | 19:34 |
| 4-Chlorophenyl phenyl ether | < 314 | ug/Kg | | 8/20/2018 | 19:34 |
| 4-Nitroaniline | < 314 | ug/Kg | | 8/20/2018 | 19:34 |
| 4-Nitrophenol | < 314 | ug/Kg | | 8/20/2018 | 19:34 |
| Acenaphthene | < 314 | ug/Kg | | 8/20/2018 | 19:34 |
| Acenaphthylene | < 314 | ug/Kg | | 8/20/2018 | 19:34 |
| Acetophenone | < 314 | ug/Kg | | 8/20/2018 | 19:34 |
| Anthracene | < 314 | ug/Kg | | 8/20/2018 | 19:34 |
| Atrazine | < 314 | ug/Kg | | 8/20/2018 | 19:34 |
| Benzaldehyde | < 314 | ug/Kg | | 8/20/2018 | 19:34 |
| Benzo (a) anthracene | 393 | ug/Kg | | 8/20/2018 | 19:34 |
| Benzo (a) pyrene | 355 | ug/Kg | | 8/20/2018 | 19:34 |
| Benzo (b) fluoranthene | 1080 | ug/Kg | | 8/20/2018 | 19:34 |
| Benzo (g,h,i) perylene | 730 | ug/Kg | | 8/20/2018 | 19:34 |
| Benzo (k) fluoranthene | 321 | ug/Kg | | 8/20/2018 | 19:34 |
| Bis (2-chloroethoxy) methane | < 314 | ug/Kg | | 8/20/2018 | 19:34 |
| Bis (2-chloroethyl) ether | < 314 | ug/Kg | | 8/20/2018 | 19:34 |
| Bis (2-ethylhexyl) phthalate | < 314 | ug/Kg | | 8/20/2018 | 19:34 |
| Butylbenzylphthalate | < 314 | ug/Kg | | 8/20/2018 | 19:34 |
| Caprolactam | < 314 | ug/Kg | | 8/20/2018 | 19:34 |
| Carbazole | < 314 | ug/Kg | | 8/20/2018 | 19:34 |
| Chrysene | 773 | ug/Kg | | 8/20/2018 | 19:34 |
| Dibenz (a,h) anthracene | 255 | ug/Kg | J | 8/20/2018 | 19:34 |
| Dibenzofuran | < 314 | ug/Kg | | 8/20/2018 | 19:34 |
| Diethyl phthalate | < 314 | ug/Kg | | 8/20/2018 | 19:34 |
| Dimethyl phthalate | < 314 | ug/Kg | | 8/20/2018 | 19:34 |
| Di-n-butyl phthalate | < 314 | ug/Kg | | 8/20/2018 | 19:34 |
| Di-n-octylphthalate | < 314 | ug/Kg | | 8/20/2018 | 19:34 |
| Fluoranthene | 642 | ug/Kg | | 8/20/2018 | 19:34 |
| Fluorene | < 314 | ug/Kg | | 8/20/2018 | 19:34 |

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Report Prepared Friday, August 31, 2018



Lab Project ID: 183739

Client: **BE3**

Project Reference: 31 + 150 Tonawanda Street

| | | | | | |
|----------------------------|-------------------------|---------------|-----------------|---------------------------------|-------|
| Sample Identifier: | | BH-5 (2-4) | | | |
| Lab Sample ID: | | 183739-04 | | Date Sampled: 8/15/2018 | |
| Matrix: | | Soil | | Date Received: 8/16/2018 | |
| Hexachlorobenzene | < 314 | ug/Kg | | 8/20/2018 | 19:34 |
| Hexachlorobutadiene | < 314 | ug/Kg | | 8/20/2018 | 19:34 |
| Hexachlorocyclopentadiene | < 1260 | ug/Kg | | 8/20/2018 | 19:34 |
| Hexachloroethane | < 314 | ug/Kg | | 8/20/2018 | 19:34 |
| Indeno (1,2,3-cd) pyrene | 715 | ug/Kg | | 8/20/2018 | 19:34 |
| Isophorone | < 314 | ug/Kg | | 8/20/2018 | 19:34 |
| Naphthalene | < 314 | ug/Kg | | 8/20/2018 | 19:34 |
| Nitrobenzene | < 314 | ug/Kg | | 8/20/2018 | 19:34 |
| N-Nitroso-di-n-propylamine | < 314 | ug/Kg | | 8/20/2018 | 19:34 |
| N-Nitrosodiphenylamine | < 314 | ug/Kg | | 8/20/2018 | 19:34 |
| Pentachlorophenol | < 628 | ug/Kg | | 8/20/2018 | 19:34 |
| Phenanthrene | 247 | ug/Kg | J | 8/20/2018 | 19:34 |
| Phenol | < 314 | ug/Kg | | 8/20/2018 | 19:34 |
| Pyrene | 499 | ug/Kg | | 8/20/2018 | 19:34 |
| Surrogate | Percent Recovery | Limits | Outliers | Date Analyzed | |
| 2,4,6-Tribromophenol | 70.9 | 35.7 - 94.4 | | 8/20/2018 | 19:34 |
| 2-Fluorobiphenyl | 66.3 | 35.7 - 85.7 | | 8/20/2018 | 19:34 |
| 2-Fluorophenol | 55.7 | 39.4 - 78.1 | | 8/20/2018 | 19:34 |
| Nitrobenzene-d5 | 51.3 | 36.1 - 74.4 | | 8/20/2018 | 19:34 |
| Phenol-d5 | 56.3 | 40.6 - 79.3 | | 8/20/2018 | 19:34 |
| Terphenyl-d14 | 70.8 | 46.6 - 99.9 | | 8/20/2018 | 19:34 |

Method Reference(s): EPA 8270D
EPA 3546
Preparation Date: 8/17/2018
Data File: B30577.D

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Report Prepared Friday, August 31, 2018



Lab Project ID: 183739

Client: **BE3**

Project Reference: 31 + 150 Tonawanda Street

Sample Identifier: BH-5 (2-4)

Lab Sample ID: 183739-04

Matrix: Soil

Date Sampled: 8/15/2018

Date Received: 8/16/2018

Volatile Organics

| Analyte | Result | Units | Qualifier | Date Analyzed |
|-----------------------------|-------------|-------|-----------|-----------------|
| 1,1,1-Trichloroethane | < 4.80 | ug/Kg | | 8/27/2018 18:10 |
| 1,1,2,2-Tetrachloroethane | < 4.80 | ug/Kg | | 8/27/2018 18:10 |
| 1,1,2-Trichloroethane | < 4.80 | ug/Kg | | 8/27/2018 18:10 |
| 1,1-Dichloroethane | < 4.80 | ug/Kg | | 8/27/2018 18:10 |
| 1,1-Dichloroethene | < 4.80 | ug/Kg | | 8/27/2018 18:10 |
| 1,2,3-Trichlorobenzene | < 12.0 | ug/Kg | | 8/27/2018 18:10 |
| 1,2,4-Trichlorobenzene | < 12.0 | ug/Kg | | 8/27/2018 18:10 |
| 1,2,4-Trimethylbenzene | < 4.80 | ug/Kg | | 8/27/2018 18:10 |
| 1,2-Dibromo-3-Chloropropane | < 24.0 | ug/Kg | | 8/27/2018 18:10 |
| 1,2-Dibromoethane | < 4.80 | ug/Kg | | 8/27/2018 18:10 |
| 1,2-Dichlorobenzene | < 4.80 | ug/Kg | | 8/27/2018 18:10 |
| 1,2-Dichloroethane | < 4.80 | ug/Kg | | 8/27/2018 18:10 |
| 1,2-Dichloropropane | < 4.80 | ug/Kg | | 8/27/2018 18:10 |
| 1,3,5-Trimethylbenzene | < 4.80 | ug/Kg | | 8/27/2018 18:10 |
| 1,3-Dichlorobenzene | < 4.80 | ug/Kg | | 8/27/2018 18:10 |
| 1,4-Dichlorobenzene | < 4.80 | ug/Kg | | 8/27/2018 18:10 |
| 1,4-Dioxane | < 48.0 | ug/Kg | | 8/27/2018 18:10 |
| 2-Butanone | < 24.0 | ug/Kg | | 8/27/2018 18:10 |
| 2-Hexanone | < 12.0 | ug/Kg | | 8/27/2018 18:10 |
| 4-Methyl-2-pentanone | < 12.0 | ug/Kg | | 8/27/2018 18:10 |
| Acetone | < 24.0 | ug/Kg | | 8/27/2018 18:10 |
| Benzene | < 4.80 | ug/Kg | | 8/27/2018 18:10 |
| Bromochloromethane | < 12.0 | ug/Kg | | 8/27/2018 18:10 |
| Bromodichloromethane | < 4.80 | ug/Kg | | 8/27/2018 18:10 |
| Bromoform | < 12.0 | ug/Kg | | 8/27/2018 18:10 |
| Bromomethane | < 4.80 | ug/Kg | | 8/27/2018 18:10 |
| Carbon disulfide | 13.7 | ug/Kg | | 8/27/2018 18:10 |

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Report Prepared Friday, August 31, 2018



Lab Project ID: 183739

Client: **BE3**

Project Reference: 31 + 150 Tonawanda Street

Sample Identifier: BH-5 (2-4)

Lab Sample ID: 183739-04

Date Sampled: 8/15/2018

Matrix: Soil

Date Received: 8/16/2018

| | | | |
|---------------------------|--------|-------|-----------------|
| Carbon Tetrachloride | < 4.80 | ug/Kg | 8/27/2018 18:10 |
| Chlorobenzene | < 4.80 | ug/Kg | 8/27/2018 18:10 |
| Chloroethane | < 4.80 | ug/Kg | 8/27/2018 18:10 |
| Chloroform | < 4.80 | ug/Kg | 8/27/2018 18:10 |
| Chloromethane | < 4.80 | ug/Kg | 8/27/2018 18:10 |
| cis-1,2-Dichloroethene | < 4.80 | ug/Kg | 8/27/2018 18:10 |
| cis-1,3-Dichloropropene | < 4.80 | ug/Kg | 8/27/2018 18:10 |
| Cyclohexane | < 24.0 | ug/Kg | 8/27/2018 18:10 |
| Dibromochloromethane | < 4.80 | ug/Kg | 8/27/2018 18:10 |
| Dichlorodifluoromethane | < 4.80 | ug/Kg | 8/27/2018 18:10 |
| Ethylbenzene | < 4.80 | ug/Kg | 8/27/2018 18:10 |
| Freon 113 | < 4.80 | ug/Kg | 8/27/2018 18:10 |
| Isopropylbenzene | < 4.80 | ug/Kg | 8/27/2018 18:10 |
| m,p-Xylene | < 4.80 | ug/Kg | 8/27/2018 18:10 |
| Methyl acetate | < 4.80 | ug/Kg | 8/27/2018 18:10 |
| Methyl tert-butyl Ether | < 4.80 | ug/Kg | 8/27/2018 18:10 |
| Methylcyclohexane | < 4.80 | ug/Kg | 8/27/2018 18:10 |
| Methylene chloride | < 12.0 | ug/Kg | 8/27/2018 18:10 |
| Naphthalene | < 12.0 | ug/Kg | 8/27/2018 18:10 |
| n-Butylbenzene | < 4.80 | ug/Kg | 8/27/2018 18:10 |
| n-Propylbenzene | < 4.80 | ug/Kg | 8/27/2018 18:10 |
| o-Xylene | < 4.80 | ug/Kg | 8/27/2018 18:10 |
| p-Isopropyltoluene | < 4.80 | ug/Kg | 8/27/2018 18:10 |
| sec-Butylbenzene | < 4.80 | ug/Kg | 8/27/2018 18:10 |
| Styrene | < 12.0 | ug/Kg | 8/27/2018 18:10 |
| tert-Butylbenzene | < 4.80 | ug/Kg | 8/27/2018 18:10 |
| Tetrachloroethene | < 4.80 | ug/Kg | 8/27/2018 18:10 |
| Toluene | < 4.80 | ug/Kg | 8/27/2018 18:10 |
| trans-1,2-Dichloroethene | < 4.80 | ug/Kg | 8/27/2018 18:10 |
| trans-1,3-Dichloropropene | < 4.80 | ug/Kg | 8/27/2018 18:10 |

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Report Prepared Friday, August 31, 2018



Lab Project ID: 183739

Client: **BE3**

Project Reference: 31 + 150 Tonawanda Street

Sample Identifier: BH-5 (2-4)

Lab Sample ID: 183739-04

Date Sampled: 8/15/2018

Matrix: Soil

Date Received: 8/16/2018

| | | | |
|------------------------|--------|-------|-----------------|
| Trichloroethene | < 4.80 | ug/Kg | 8/27/2018 18:10 |
| Trichlorofluoromethane | < 4.80 | ug/Kg | 8/27/2018 18:10 |
| Vinyl chloride | < 4.80 | ug/Kg | 8/27/2018 18:10 |

| Surrogate | Percent Recovery | Limits | Outliers | Date Analyzed |
|-----------------------|------------------|------------|----------|-----------------|
| 1,2-Dichloroethane-d4 | 112 | 80.4 - 128 | | 8/27/2018 18:10 |
| 4-Bromofluorobenzene | 65.9 | 75.7 - 120 | * | 8/27/2018 18:10 |
| Pentafluorobenzene | 94.7 | 85.3 - 111 | | 8/27/2018 18:10 |
| Toluene-D8 | 79.3 | 85 - 112 | * | 8/27/2018 18:10 |

Internal standard outliers indicate probable matrix interference

Method Reference(s): EPA 8260C
EPA 5035A - L

Data File: x53543.D

This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.

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Report Prepared Friday, August 31, 2018



Lab Project ID: 183739

Client: **BE3**

Project Reference: 31 + 150 Tonawanda Street

Sample Identifier: BH-5 (2-4)

Lab Sample ID: 183739-04

Date Sampled: 8/15/2018

Matrix: Soil

Date Received: 8/16/2018

Total Cyanide

| <u>Analyte</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|----------------|---------------|--------------|------------------|----------------------|
| Cyanide, Total | < 0.538 | mg/Kg | | 8/29/2018 |

Method Reference(s): EPA 9014
Preparation Date: 8/28/2018

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Report Prepared Friday, August 31, 2018



Lab Project ID: 183739

Client: **BE3**

Project Reference: 31 + 150 Tonawanda Street

Sample Identifier: BH-3 (4-6)

Lab Sample ID: 183739-05

Matrix: Soil

Date Sampled: 8/15/2018

Date Received: 8/16/2018

Metals

| Analyte | Result | Units | Qualifier | Date Analyzed |
|----------------|---------------|--------------|------------------|----------------------|
| Arsenic | 6.92 | mg/Kg | | 8/20/2018 12:07 |
| Barium | 107 | mg/Kg | | 8/20/2018 12:07 |
| Beryllium | 0.994 | mg/Kg | | 8/20/2018 12:07 |
| Cadmium | 0.957 | mg/Kg | | 8/20/2018 12:07 |
| Chromium | 33.9 | mg/Kg | | 8/20/2018 12:07 |
| Copper | 96.5 | mg/Kg | | 8/20/2018 12:07 |
| Lead | 119 | mg/Kg | | 8/20/2018 12:07 |
| Manganese | 479 | mg/Kg | | 8/20/2018 12:07 |
| Nickel | 27.3 | mg/Kg | | 8/20/2018 12:07 |
| Selenium | < 1.18 | mg/Kg | | 8/20/2018 12:07 |
| Silver | 1.79 | mg/Kg | | 8/20/2018 12:07 |
| Zinc | 144 | mg/Kg | | 8/20/2018 12:07 |

Method Reference(s): EPA 6010C
EPA 3050B
Preparation Date: 8/17/2018
Data File: 180820A

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Report Prepared Friday, August 31, 2018



Lab Project ID: 183739

Client: **BE3**

Project Reference: 31 + 150 Tonawanda Street

Sample Identifier: BH-3 (4-6)

Lab Sample ID: 183739-05

Matrix: Soil

Date Sampled: 8/15/2018

Date Received: 8/16/2018

Mercury

| <u>Analyte</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|----------------|---------------|--------------|------------------|----------------------|
| Mercury | 0.128 | mg/Kg | | 8/27/2018 12:38 |

Method Reference(s): EPA 7471B
Preparation Date: 8/24/2018
Data File: Hg180827B

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Report Prepared Friday, August 31, 2018



Lab Project ID: 183739

Client: **BE3**

Project Reference: 31 + 150 Tonawanda Street

Sample Identifier: BH-3 (4-6)

Lab Sample ID: 183739-05

Matrix: Soil

Date Sampled: 8/15/2018

Date Received: 8/16/2018

PCBs

| <u>Analyte</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|----------------|---------------|--------------|------------------|----------------------|
| PCB-1016 | < 0.0340 | mg/Kg | | 8/23/2018 21:38 |
| PCB-1221 | < 0.0340 | mg/Kg | | 8/23/2018 21:38 |
| PCB-1232 | < 0.0340 | mg/Kg | | 8/23/2018 21:38 |
| PCB-1242 | < 0.0340 | mg/Kg | | 8/23/2018 21:38 |
| PCB-1248 | < 0.0340 | mg/Kg | | 8/23/2018 21:38 |
| PCB-1254 | < 0.0340 | mg/Kg | | 8/23/2018 21:38 |
| PCB-1260 | 0.0380 | mg/Kg | | 8/23/2018 21:38 |
| PCB-1262 | < 0.0340 | mg/Kg | | 8/23/2018 21:38 |
| PCB-1268 | < 0.0340 | mg/Kg | | 8/23/2018 21:38 |

| <u>Surrogate</u> | <u>Percent Recovery</u> | <u>Limits</u> | <u>Outliers</u> | <u>Date Analyzed</u> |
|----------------------|-------------------------|---------------|-----------------|----------------------|
| Decachlorobiphenyl | 84.8 | 23.4 - 108 | | 8/23/2018 21:38 |
| Tetrachloro-m-xylene | 39.7 | 10 - 84 | | 8/23/2018 21:38 |

Method Reference(s): EPA 8082A

EPA 3546

Preparation Date: 8/23/2018

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Report Prepared Friday, August 31, 2018



Lab Project ID: 183739

Client: **BE3**

Project Reference: 31 + 150 Tonawanda Street

Sample Identifier: BH-3 (4-6)

Lab Sample ID: 183739-05

Matrix: Soil

Date Sampled: 8/15/2018

Date Received: 8/16/2018

Chlorinated Pesticides

| Analyte | Result | Units | Qualifier | Date Analyzed |
|---------------------|--------|-------|-----------|-----------------|
| 4,4-DDD | 2.01 | ug/Kg | JP | 8/21/2018 18:03 |
| 4,4-DDE | 2.68 | ug/Kg | JP | 8/21/2018 18:03 |
| 4,4-DDT | 3.07 | ug/Kg | JP | 8/21/2018 18:03 |
| Aldrin | < 3.95 | ug/Kg | | 8/21/2018 18:03 |
| alpha-BHC | < 3.95 | ug/Kg | | 8/21/2018 18:03 |
| beta-BHC | < 3.95 | ug/Kg | | 8/21/2018 18:03 |
| cis-Chlordane | 13.2 | ug/Kg | | 8/21/2018 18:03 |
| delta-BHC | < 3.95 | ug/Kg | | 8/21/2018 18:03 |
| Dieldrin | 3.26 | ug/Kg | JP | 8/21/2018 18:03 |
| Endosulfan I | < 3.95 | ug/Kg | | 8/21/2018 18:03 |
| Endosulfan II | < 3.95 | ug/Kg | | 8/21/2018 18:03 |
| Endosulfan Sulfate | 4.58 | ug/Kg | P | 8/21/2018 18:03 |
| Endrin | 4.10 | ug/Kg | P | 8/21/2018 18:03 |
| Endrin Aldehyde | < 3.95 | ug/Kg | | 8/21/2018 18:03 |
| Endrin Ketone | 7.15 | ug/Kg | | 8/21/2018 18:03 |
| gamma-BHC (Lindane) | < 3.95 | ug/Kg | | 8/21/2018 18:03 |
| Heptachlor | < 3.95 | ug/Kg | | 8/21/2018 18:03 |
| Heptachlor Epoxide | 2.16 | ug/Kg | J | 8/21/2018 18:03 |
| Methoxychlor | 13.0 | ug/Kg | P | 8/21/2018 18:03 |
| Toxaphene | < 39.5 | ug/Kg | | 8/21/2018 18:03 |
| trans-Chlordane | < 3.95 | ug/Kg | | 8/21/2018 18:03 |

| Surrogate | Percent Recovery | Limits | Outliers | Date Analyzed |
|--------------------------|------------------|------------|----------|-----------------|
| Decachlorobiphenyl (1) | 166 | 46.2 - 125 | * | 8/21/2018 18:03 |
| Tetrachloro-m-xylene (1) | 75.3 | 29 - 98.8 | | 8/21/2018 18:03 |

Method Reference(s): EPA 8081B

EPA 3546

Preparation Date: 8/21/2018

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Report Prepared Friday, August 31, 2018



Lab Project ID: 183739

Client: **BE3**

Project Reference: 31 + 150 Tonawanda Street

Sample Identifier: BH-3 (4-6)

Lab Sample ID: 183739-05

Matrix: Soil

Date Sampled: 8/15/2018

Date Received: 8/16/2018

Semi-Volatile Organics (Acid/Base Neutrals)

| Analyte | Result | Units | Qualifier | Date Analyzed |
|------------------------------|------------|-------|-----------|-----------------|
| 1,1-Biphenyl | < 333 | ug/Kg | | 8/20/2018 20:03 |
| 1,2,4,5-Tetrachlorobenzene | < 333 | ug/Kg | | 8/20/2018 20:03 |
| 1,2,4-Trichlorobenzene | < 333 | ug/Kg | | 8/20/2018 20:03 |
| 1,2-Dichlorobenzene | < 333 | ug/Kg | | 8/20/2018 20:03 |
| 1,3-Dichlorobenzene | < 333 | ug/Kg | | 8/20/2018 20:03 |
| 1,4-Dichlorobenzene | < 333 | ug/Kg | | 8/20/2018 20:03 |
| 2,2-Oxybis (1-chloropropane) | < 333 | ug/Kg | | 8/20/2018 20:03 |
| 2,3,4,6-Tetrachlorophenol | < 333 | ug/Kg | | 8/20/2018 20:03 |
| 2,4,5-Trichlorophenol | < 333 | ug/Kg | | 8/20/2018 20:03 |
| 2,4,6-Trichlorophenol | < 333 | ug/Kg | | 8/20/2018 20:03 |
| 2,4-Dichlorophenol | < 333 | ug/Kg | | 8/20/2018 20:03 |
| 2,4-Dimethylphenol | < 333 | ug/Kg | | 8/20/2018 20:03 |
| 2,4-Dinitrophenol | < 1330 | ug/Kg | | 8/20/2018 20:03 |
| 2,4-Dinitrotoluene | < 333 | ug/Kg | | 8/20/2018 20:03 |
| 2,6-Dinitrotoluene | < 333 | ug/Kg | | 8/20/2018 20:03 |
| 2-Chloronaphthalene | < 333 | ug/Kg | | 8/20/2018 20:03 |
| 2-Chlorophenol | < 333 | ug/Kg | | 8/20/2018 20:03 |
| 2-Methylnapthalene | 176 | ug/Kg | J | 8/20/2018 20:03 |
| 2-Methylphenol | < 333 | ug/Kg | | 8/20/2018 20:03 |
| 2-Nitroaniline | < 333 | ug/Kg | | 8/20/2018 20:03 |
| 2-Nitrophenol | < 333 | ug/Kg | | 8/20/2018 20:03 |
| 3&4-Methylphenol | < 333 | ug/Kg | | 8/20/2018 20:03 |
| 3,3'-Dichlorobenzidine | < 333 | ug/Kg | | 8/20/2018 20:03 |
| 3-Nitroaniline | < 333 | ug/Kg | | 8/20/2018 20:03 |
| 4,6-Dinitro-2-methylphenol | < 665 | ug/Kg | | 8/20/2018 20:03 |
| 4-Bromophenyl phenyl ether | < 333 | ug/Kg | | 8/20/2018 20:03 |
| 4-Chloro-3-methylphenol | < 333 | ug/Kg | | 8/20/2018 20:03 |

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Report Prepared Friday, August 31, 2018



Lab Project ID: 183739

Client: **BE3**

Project Reference: 31 + 150 Tonawanda Street

| | | | | |
|------------------------------|------------|-------|----------------|-----------------|
| Sample Identifier: | BH-3 (4-6) | | | |
| Lab Sample ID: | 183739-05 | | Date Sampled: | 8/15/2018 |
| Matrix: | Soil | | Date Received: | 8/16/2018 |
| 4-Chloroaniline | < 333 | ug/Kg | | 8/20/2018 20:03 |
| 4-Chlorophenyl phenyl ether | < 333 | ug/Kg | | 8/20/2018 20:03 |
| 4-Nitroaniline | < 333 | ug/Kg | | 8/20/2018 20:03 |
| 4-Nitrophenol | < 333 | ug/Kg | | 8/20/2018 20:03 |
| Acenaphthene | 177 | ug/Kg | J | 8/20/2018 20:03 |
| Acenaphthylene | < 333 | ug/Kg | | 8/20/2018 20:03 |
| Acetophenone | < 333 | ug/Kg | | 8/20/2018 20:03 |
| Anthracene | 566 | ug/Kg | | 8/20/2018 20:03 |
| Atrazine | < 333 | ug/Kg | | 8/20/2018 20:03 |
| Benzaldehyde | < 333 | ug/Kg | | 8/20/2018 20:03 |
| Benzo (a) anthracene | 1160 | ug/Kg | | 8/20/2018 20:03 |
| Benzo (a) pyrene | 892 | ug/Kg | | 8/20/2018 20:03 |
| Benzo (b) fluoranthene | 865 | ug/Kg | | 8/20/2018 20:03 |
| Benzo (g,h,i) perylene | 589 | ug/Kg | | 8/20/2018 20:03 |
| Benzo (k) fluoranthene | 779 | ug/Kg | | 8/20/2018 20:03 |
| Bis (2-chloroethoxy) methane | < 333 | ug/Kg | | 8/20/2018 20:03 |
| Bis (2-chloroethyl) ether | < 333 | ug/Kg | | 8/20/2018 20:03 |
| Bis (2-ethylhexyl) phthalate | 377 | ug/Kg | | 8/20/2018 20:03 |
| Butylbenzylphthalate | < 333 | ug/Kg | | 8/20/2018 20:03 |
| Caprolactam | < 333 | ug/Kg | | 8/20/2018 20:03 |
| Carbazole | 256 | ug/Kg | J | 8/20/2018 20:03 |
| Chrysene | 1190 | ug/Kg | | 8/20/2018 20:03 |
| Dibenz (a,h) anthracene | 202 | ug/Kg | J | 8/20/2018 20:03 |
| Dibenzofuran | 170 | ug/Kg | J | 8/20/2018 20:03 |
| Diethyl phthalate | < 333 | ug/Kg | | 8/20/2018 20:03 |
| Dimethyl phthalate | < 333 | ug/Kg | | 8/20/2018 20:03 |
| Di-n-butyl phthalate | < 333 | ug/Kg | | 8/20/2018 20:03 |
| Di-n-octylphthalate | < 333 | ug/Kg | | 8/20/2018 20:03 |
| Fluoranthene | 2480 | ug/Kg | | 8/20/2018 20:03 |
| Fluorene | 250 | ug/Kg | J | 8/20/2018 20:03 |

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Report Prepared Friday, August 31, 2018



Lab Project ID: 183739

Client: **BE3**

Project Reference: 31 + 150 Tonawanda Street

| | | | | | |
|----------------------------|-------------------------|---------------|-----------------|---------------------------------|-------|
| Sample Identifier: | | BH-3 (4-6) | | | |
| Lab Sample ID: | | 183739-05 | | Date Sampled: 8/15/2018 | |
| Matrix: | | Soil | | Date Received: 8/16/2018 | |
| Hexachlorobenzene | < 333 | ug/Kg | | 8/20/2018 | 20:03 |
| Hexachlorobutadiene | < 333 | ug/Kg | | 8/20/2018 | 20:03 |
| Hexachlorocyclopentadiene | < 1330 | ug/Kg | | 8/20/2018 | 20:03 |
| Hexachloroethane | < 333 | ug/Kg | | 8/20/2018 | 20:03 |
| Indeno (1,2,3-cd) pyrene | 601 | ug/Kg | | 8/20/2018 | 20:03 |
| Isophorone | < 333 | ug/Kg | | 8/20/2018 | 20:03 |
| Naphthalene | 182 | ug/Kg | J | 8/20/2018 | 20:03 |
| Nitrobenzene | < 333 | ug/Kg | | 8/20/2018 | 20:03 |
| N-Nitroso-di-n-propylamine | < 333 | ug/Kg | | 8/20/2018 | 20:03 |
| N-Nitrosodiphenylamine | < 333 | ug/Kg | | 8/20/2018 | 20:03 |
| Pentachlorophenol | < 665 | ug/Kg | | 8/20/2018 | 20:03 |
| Phenanthrene | 1940 | ug/Kg | | 8/20/2018 | 20:03 |
| Phenol | < 333 | ug/Kg | | 8/20/2018 | 20:03 |
| Pyrene | 1970 | ug/Kg | | 8/20/2018 | 20:03 |
| Surrogate | Percent Recovery | Limits | Outliers | Date Analyzed | |
| 2,4,6-Tribromophenol | 67.3 | 35.7 - 94.4 | | 8/20/2018 | 20:03 |
| 2-Fluorobiphenyl | 62.8 | 35.7 - 85.7 | | 8/20/2018 | 20:03 |
| 2-Fluorophenol | 54.3 | 39.4 - 78.1 | | 8/20/2018 | 20:03 |
| Nitrobenzene-d5 | 51.3 | 36.1 - 74.4 | | 8/20/2018 | 20:03 |
| Phenol-d5 | 53.3 | 40.6 - 79.3 | | 8/20/2018 | 20:03 |
| Terphenyl-d14 | 63.2 | 46.6 - 99.9 | | 8/20/2018 | 20:03 |

Method Reference(s): EPA 8270D
EPA 3546
Preparation Date: 8/17/2018
Data File: B30578.D

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Report Prepared Friday, August 31, 2018



Lab Project ID: 183739

Client: BE3

Project Reference: 31 + 150 Tonawanda Street

Sample Identifier: BH-3 (4-6)

Lab Sample ID: 183739-05

Matrix: Soil

Date Sampled: 8/15/2018

Date Received: 8/16/2018

Volatile Organics

| Analyte | Result | Units | Qualifier | Date Analyzed |
|-----------------------------|---------------|--------------|------------------|----------------------|
| 1,1,1-Trichloroethane | < 4.71 | ug/Kg | | 8/27/2018 18:34 |
| 1,1,2,2-Tetrachloroethane | < 4.71 | ug/Kg | | 8/27/2018 18:34 |
| 1,1,2-Trichloroethane | < 4.71 | ug/Kg | | 8/27/2018 18:34 |
| 1,1-Dichloroethane | < 4.71 | ug/Kg | | 8/27/2018 18:34 |
| 1,1-Dichloroethene | < 4.71 | ug/Kg | | 8/27/2018 18:34 |
| 1,2,3-Trichlorobenzene | < 11.8 | ug/Kg | | 8/27/2018 18:34 |
| 1,2,4-Trichlorobenzene | < 11.8 | ug/Kg | | 8/27/2018 18:34 |
| 1,2,4-Trimethylbenzene | < 4.71 | ug/Kg | | 8/27/2018 18:34 |
| 1,2-Dibromo-3-Chloropropane | < 23.5 | ug/Kg | | 8/27/2018 18:34 |
| 1,2-Dibromoethane | < 4.71 | ug/Kg | | 8/27/2018 18:34 |
| 1,2-Dichlorobenzene | < 4.71 | ug/Kg | | 8/27/2018 18:34 |
| 1,2-Dichloroethane | < 4.71 | ug/Kg | | 8/27/2018 18:34 |
| 1,2-Dichloropropane | < 4.71 | ug/Kg | | 8/27/2018 18:34 |
| 1,3,5-Trimethylbenzene | < 4.71 | ug/Kg | | 8/27/2018 18:34 |
| 1,3-Dichlorobenzene | < 4.71 | ug/Kg | | 8/27/2018 18:34 |
| 1,4-Dichlorobenzene | < 4.71 | ug/Kg | | 8/27/2018 18:34 |
| 1,4-Dioxane | < 47.1 | ug/Kg | | 8/27/2018 18:34 |
| 2-Butanone | < 23.5 | ug/Kg | | 8/27/2018 18:34 |
| 2-Hexanone | < 11.8 | ug/Kg | | 8/27/2018 18:34 |
| 4-Methyl-2-pentanone | < 11.8 | ug/Kg | | 8/27/2018 18:34 |
| Acetone | 12.9 | ug/Kg | J | 8/27/2018 18:34 |
| Benzene | < 4.71 | ug/Kg | | 8/27/2018 18:34 |
| Bromochloromethane | < 11.8 | ug/Kg | | 8/27/2018 18:34 |
| Bromodichloromethane | < 4.71 | ug/Kg | | 8/27/2018 18:34 |
| Bromoform | < 11.8 | ug/Kg | | 8/27/2018 18:34 |
| Bromomethane | < 4.71 | ug/Kg | | 8/27/2018 18:34 |
| Carbon disulfide | 7.13 | ug/Kg | | 8/27/2018 18:34 |

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Report Prepared Friday, August 31, 2018



Lab Project ID: 183739

Client: **BE3**

Project Reference: 31 + 150 Tonawanda Street

Sample Identifier: BH-3 (4-6)

Lab Sample ID: 183739-05

Date Sampled: 8/15/2018

Matrix: Soil

Date Received: 8/16/2018

| | | | |
|---------------------------|--------|-------|-----------------|
| Carbon Tetrachloride | < 4.71 | ug/Kg | 8/27/2018 18:34 |
| Chlorobenzene | < 4.71 | ug/Kg | 8/27/2018 18:34 |
| Chloroethane | < 4.71 | ug/Kg | 8/27/2018 18:34 |
| Chloroform | < 4.71 | ug/Kg | 8/27/2018 18:34 |
| Chloromethane | < 4.71 | ug/Kg | 8/27/2018 18:34 |
| cis-1,2-Dichloroethene | < 4.71 | ug/Kg | 8/27/2018 18:34 |
| cis-1,3-Dichloropropene | < 4.71 | ug/Kg | 8/27/2018 18:34 |
| Cyclohexane | < 23.5 | ug/Kg | 8/27/2018 18:34 |
| Dibromochloromethane | < 4.71 | ug/Kg | 8/27/2018 18:34 |
| Dichlorodifluoromethane | < 4.71 | ug/Kg | 8/27/2018 18:34 |
| Ethylbenzene | < 4.71 | ug/Kg | 8/27/2018 18:34 |
| Freon 113 | < 4.71 | ug/Kg | 8/27/2018 18:34 |
| Isopropylbenzene | < 4.71 | ug/Kg | 8/27/2018 18:34 |
| m,p-Xylene | < 4.71 | ug/Kg | 8/27/2018 18:34 |
| Methyl acetate | < 4.71 | ug/Kg | 8/27/2018 18:34 |
| Methyl tert-butyl Ether | < 4.71 | ug/Kg | 8/27/2018 18:34 |
| Methylcyclohexane | < 4.71 | ug/Kg | 8/27/2018 18:34 |
| Methylene chloride | < 11.8 | ug/Kg | 8/27/2018 18:34 |
| Naphthalene | < 11.8 | ug/Kg | 8/27/2018 18:34 |
| n-Butylbenzene | < 4.71 | ug/Kg | 8/27/2018 18:34 |
| n-Propylbenzene | < 4.71 | ug/Kg | 8/27/2018 18:34 |
| o-Xylene | < 4.71 | ug/Kg | 8/27/2018 18:34 |
| p-Isopropyltoluene | < 4.71 | ug/Kg | 8/27/2018 18:34 |
| sec-Butylbenzene | < 4.71 | ug/Kg | 8/27/2018 18:34 |
| Styrene | < 11.8 | ug/Kg | 8/27/2018 18:34 |
| tert-Butylbenzene | < 4.71 | ug/Kg | 8/27/2018 18:34 |
| Tetrachloroethene | < 4.71 | ug/Kg | 8/27/2018 18:34 |
| Toluene | < 4.71 | ug/Kg | 8/27/2018 18:34 |
| trans-1,2-Dichloroethene | < 4.71 | ug/Kg | 8/27/2018 18:34 |
| trans-1,3-Dichloropropene | < 4.71 | ug/Kg | 8/27/2018 18:34 |

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Report Prepared Friday, August 31, 2018



Lab Project ID: 183739

Client: **BE3**

Project Reference: 31 + 150 Tonawanda Street

Sample Identifier: BH-3 (4-6)

Lab Sample ID: 183739-05

Date Sampled: 8/15/2018

Matrix: Soil

Date Received: 8/16/2018

| | | | |
|------------------------|--------|-------|-----------------|
| Trichloroethene | < 4.71 | ug/Kg | 8/27/2018 18:34 |
| Trichlorofluoromethane | < 4.71 | ug/Kg | 8/27/2018 18:34 |
| Vinyl chloride | < 4.71 | ug/Kg | 8/27/2018 18:34 |

| Surrogate | Percent Recovery | Limits | Outliers | Date Analyzed |
|-----------------------|-------------------------|---------------|-----------------|----------------------|
| 1,2-Dichloroethane-d4 | 116 | 80.4 - 128 | | 8/27/2018 18:34 |
| 4-Bromofluorobenzene | 69.7 | 75.7 - 120 | * | 8/27/2018 18:34 |
| Pentafluorobenzene | 93.3 | 85.3 - 111 | | 8/27/2018 18:34 |
| Toluene-D8 | 102 | 85 - 112 | | 8/27/2018 18:34 |

Internal standard outliers indicate probable matrix interference

Method Reference(s): EPA 8260C
EPA 5035A - L

Data File: x53544.D

This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.

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Report Prepared Friday, August 31, 2018



Lab Project ID: 183739

Client: **BE3**

Project Reference: 31 + 150 Tonawanda Street

Sample Identifier: BH-3 (4-6)

Lab Sample ID: 183739-05

Matrix: Soil

Date Sampled: 8/15/2018

Date Received: 8/16/2018

Total Cyanide

| <u>Analyte</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|----------------|---------------|--------------|------------------|----------------------|
| Cyanide, Total | < 0.600 | mg/Kg | | 8/29/2018 |

Method Reference(s): EPA 9014
Preparation Date: 8/28/2018

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Report Prepared Friday, August 31, 2018



Lab Project ID: 183739

Client: **BE3**

Project Reference: 31 + 150 Tonawanda Street

Sample Identifier: BH-4 (2.8-4') Native

Lab Sample ID: 183739-06

Date Sampled: 8/15/2018

Matrix: Soil

Date Received: 8/16/2018

Metals

| Analyte | Result | Units | Qualifier | Date Analyzed |
|----------------|---------------|--------------|------------------|----------------------|
| Arsenic | 3.38 | mg/Kg | | 8/20/2018 12:11 |
| Barium | 129 | mg/Kg | | 8/20/2018 12:11 |
| Beryllium | 1.09 | mg/Kg | | 8/20/2018 12:11 |
| Cadmium | 0.376 | mg/Kg | | 8/20/2018 12:11 |
| Chromium | 25.9 | mg/Kg | | 8/20/2018 12:11 |
| Copper | 18.7 | mg/Kg | | 8/20/2018 12:11 |
| Lead | 12.5 | mg/Kg | | 8/20/2018 12:11 |
| Manganese | 329 | mg/Kg | | 8/20/2018 12:11 |
| Nickel | 27.3 | mg/Kg | | 8/20/2018 12:11 |
| Selenium | < 1.14 | mg/Kg | | 8/20/2018 12:11 |
| Silver | 1.69 | mg/Kg | | 8/20/2018 12:11 |
| Zinc | 73.1 | mg/Kg | | 8/20/2018 12:11 |

Method Reference(s): EPA 6010C

EPA 3050B

Preparation Date: 8/17/2018

Data File: 180820A

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Report Prepared Friday, August 31, 2018



Lab Project ID: 183739

Client: **BE3**

Project Reference: 31 + 150 Tonawanda Street

Sample Identifier: BH-4 (2.8-4') Native

Lab Sample ID: 183739-06

Date Sampled: 8/15/2018

Matrix: Soil

Date Received: 8/16/2018

Mercury

| <u>Analyte</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|-----------------------|----------------------|---------------------|-------------------------|-----------------------------|
| Mercury | 0.0413 | mg/Kg | | 8/27/2018 12:40 |

Method Reference(s): EPA 7471B

Preparation Date: 8/24/2018

Data File: Hg180827B

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Report Prepared Friday, August 31, 2018



Lab Project ID: 183739

Client: **BE3**

Project Reference: 31 + 150 Tonawanda Street

Sample Identifier: BH-4 (2.8-4') Native

Lab Sample ID: 183739-06

Date Sampled: 8/15/2018

Matrix: Soil

Date Received: 8/16/2018

PCBs

| <u>Analyte</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|----------------|---------------|--------------|------------------|----------------------|
| PCB-1016 | < 0.0341 | mg/Kg | | 8/23/2018 22:02 |
| PCB-1221 | < 0.0341 | mg/Kg | | 8/23/2018 22:02 |
| PCB-1232 | < 0.0341 | mg/Kg | | 8/23/2018 22:02 |
| PCB-1242 | < 0.0341 | mg/Kg | | 8/23/2018 22:02 |
| PCB-1248 | < 0.0341 | mg/Kg | | 8/23/2018 22:02 |
| PCB-1254 | < 0.0341 | mg/Kg | | 8/23/2018 22:02 |
| PCB-1260 | < 0.0341 | mg/Kg | | 8/23/2018 22:02 |
| PCB-1262 | < 0.0341 | mg/Kg | | 8/23/2018 22:02 |
| PCB-1268 | < 0.0341 | mg/Kg | | 8/23/2018 22:02 |

| <u>Surrogate</u> | <u>Percent Recovery</u> | <u>Limits</u> | <u>Outliers</u> | <u>Date Analyzed</u> |
|----------------------|-------------------------|---------------|-----------------|----------------------|
| Decachlorobiphenyl | 47.4 | 23.4 - 108 | | 8/23/2018 22:02 |
| Tetrachloro-m-xylene | 28.1 | 10 - 84 | | 8/23/2018 22:02 |

Method Reference(s): EPA 8082A

EPA 3546

Preparation Date: 8/23/2018

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Friday, August 31, 2018



Lab Project ID: 183739

Client: **BE3**

Project Reference: 31 + 150 Tonawanda Street

Sample Identifier: BH-4 (2.8-4') Native

Lab Sample ID: 183739-06

Date Sampled: 8/15/2018

Matrix: Soil

Date Received: 8/16/2018

Chlorinated Pesticides

| Analyte | Result | Units | Qualifier | Date Analyzed |
|---------------------|--------|-------|-----------|-----------------|
| 4,4-DDD | < 3.75 | ug/Kg | | 8/21/2018 18:18 |
| 4,4-DDE | < 3.75 | ug/Kg | | 8/21/2018 18:18 |
| 4,4-DDT | < 3.75 | ug/Kg | | 8/21/2018 18:18 |
| Aldrin | < 3.75 | ug/Kg | | 8/21/2018 18:18 |
| alpha-BHC | < 3.75 | ug/Kg | | 8/21/2018 18:18 |
| beta-BHC | < 3.75 | ug/Kg | | 8/21/2018 18:18 |
| cis-Chlordane | < 3.75 | ug/Kg | | 8/21/2018 18:18 |
| delta-BHC | < 3.75 | ug/Kg | | 8/21/2018 18:18 |
| Dieldrin | < 3.75 | ug/Kg | | 8/21/2018 18:18 |
| Endosulfan I | < 3.75 | ug/Kg | | 8/21/2018 18:18 |
| Endosulfan II | < 3.75 | ug/Kg | | 8/21/2018 18:18 |
| Endosulfan Sulfate | < 3.75 | ug/Kg | | 8/21/2018 18:18 |
| Endrin | < 3.75 | ug/Kg | | 8/21/2018 18:18 |
| Endrin Aldehyde | < 3.75 | ug/Kg | | 8/21/2018 18:18 |
| Endrin Ketone | < 3.75 | ug/Kg | | 8/21/2018 18:18 |
| gamma-BHC (Lindane) | < 3.75 | ug/Kg | | 8/21/2018 18:18 |
| Heptachlor | < 3.75 | ug/Kg | | 8/21/2018 18:18 |
| Heptachlor Epoxide | < 3.75 | ug/Kg | | 8/21/2018 18:18 |
| Methoxychlor | < 3.75 | ug/Kg | | 8/21/2018 18:18 |
| Toxaphene | < 37.5 | ug/Kg | | 8/21/2018 18:18 |
| trans-Chlordane | < 3.75 | ug/Kg | | 8/21/2018 18:18 |

| Surrogate | Percent Recovery | Limits | Outliers | Date Analyzed |
|--------------------------|------------------|------------|----------|-----------------|
| Decachlorobiphenyl (1) | 96.8 | 46.2 - 125 | | 8/21/2018 18:18 |
| Tetrachloro-m-xylene (1) | 71.9 | 29 - 98.8 | | 8/21/2018 18:18 |

Method Reference(s): EPA 8081B

EPA 3546

Preparation Date: 8/21/2018

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Report Prepared Friday, August 31, 2018



Lab Project ID: 183739

Client: BE3

Project Reference: 31 + 150 Tonawanda Street

Sample Identifier: BH-4 (2.8-4') Native

Lab Sample ID: 183739-06

Matrix: Soil

Date Sampled: 8/15/2018

Date Received: 8/16/2018

Semi-Volatile Organics (Acid/Base Neutrals)

| Analyte | Result | Units | Qualifier | Date Analyzed |
|------------------------------|---------------|--------------|------------------|----------------------|
| 1,1-Biphenyl | < 328 | ug/Kg | | 8/20/2018 20:33 |
| 1,2,4,5-Tetrachlorobenzene | < 328 | ug/Kg | | 8/20/2018 20:33 |
| 1,2,4-Trichlorobenzene | < 328 | ug/Kg | | 8/20/2018 20:33 |
| 1,2-Dichlorobenzene | < 328 | ug/Kg | | 8/20/2018 20:33 |
| 1,3-Dichlorobenzene | < 328 | ug/Kg | | 8/20/2018 20:33 |
| 1,4-Dichlorobenzene | < 328 | ug/Kg | | 8/20/2018 20:33 |
| 2,2-Oxybis (1-chloropropane) | < 328 | ug/Kg | | 8/20/2018 20:33 |
| 2,3,4,6-Tetrachlorophenol | < 328 | ug/Kg | | 8/20/2018 20:33 |
| 2,4,5-Trichlorophenol | < 328 | ug/Kg | | 8/20/2018 20:33 |
| 2,4,6-Trichlorophenol | < 328 | ug/Kg | | 8/20/2018 20:33 |
| 2,4-Dichlorophenol | < 328 | ug/Kg | | 8/20/2018 20:33 |
| 2,4-Dimethylphenol | < 328 | ug/Kg | | 8/20/2018 20:33 |
| 2,4-Dinitrophenol | < 1310 | ug/Kg | | 8/20/2018 20:33 |
| 2,4-Dinitrotoluene | < 328 | ug/Kg | | 8/20/2018 20:33 |
| 2,6-Dinitrotoluene | < 328 | ug/Kg | | 8/20/2018 20:33 |
| 2-Chloronaphthalene | < 328 | ug/Kg | | 8/20/2018 20:33 |
| 2-Chlorophenol | < 328 | ug/Kg | | 8/20/2018 20:33 |
| 2-Methylnapthalene | < 328 | ug/Kg | | 8/20/2018 20:33 |
| 2-Methylphenol | < 328 | ug/Kg | | 8/20/2018 20:33 |
| 2-Nitroaniline | < 328 | ug/Kg | | 8/20/2018 20:33 |
| 2-Nitrophenol | < 328 | ug/Kg | | 8/20/2018 20:33 |
| 3&4-Methylphenol | < 328 | ug/Kg | | 8/20/2018 20:33 |
| 3,3'-Dichlorobenzidine | < 328 | ug/Kg | | 8/20/2018 20:33 |
| 3-Nitroaniline | < 328 | ug/Kg | | 8/20/2018 20:33 |
| 4,6-Dinitro-2-methylphenol | < 657 | ug/Kg | | 8/20/2018 20:33 |
| 4-Bromophenyl phenyl ether | < 328 | ug/Kg | | 8/20/2018 20:33 |
| 4-Chloro-3-methylphenol | < 328 | ug/Kg | | 8/20/2018 20:33 |

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Report Prepared Friday, August 31, 2018



Lab Project ID: 183739

Client: **BE3**

Project Reference: 31 + 150 Tonawanda Street

Sample Identifier: BH-4 (2.8-4') Native

Lab Sample ID: 183739-06

Date Sampled: 8/15/2018

Matrix: Soil

Date Received: 8/16/2018

| | | | |
|------------------------------|-------|-------|-----------------|
| 4-Chloroaniline | < 328 | ug/Kg | 8/20/2018 20:33 |
| 4-Chlorophenyl phenyl ether | < 328 | ug/Kg | 8/20/2018 20:33 |
| 4-Nitroaniline | < 328 | ug/Kg | 8/20/2018 20:33 |
| 4-Nitrophenol | < 328 | ug/Kg | 8/20/2018 20:33 |
| Acenaphthene | < 328 | ug/Kg | 8/20/2018 20:33 |
| Acenaphthylene | < 328 | ug/Kg | 8/20/2018 20:33 |
| Acetophenone | < 328 | ug/Kg | 8/20/2018 20:33 |
| Anthracene | < 328 | ug/Kg | 8/20/2018 20:33 |
| Atrazine | < 328 | ug/Kg | 8/20/2018 20:33 |
| Benzaldehyde | < 328 | ug/Kg | 8/20/2018 20:33 |
| Benzo (a) anthracene | < 328 | ug/Kg | 8/20/2018 20:33 |
| Benzo (a) pyrene | < 328 | ug/Kg | 8/20/2018 20:33 |
| Benzo (b) fluoranthene | < 328 | ug/Kg | 8/20/2018 20:33 |
| Benzo (g,h,i) perylene | < 328 | ug/Kg | 8/20/2018 20:33 |
| Benzo (k) fluoranthene | < 328 | ug/Kg | 8/20/2018 20:33 |
| Bis (2-chloroethoxy) methane | < 328 | ug/Kg | 8/20/2018 20:33 |
| Bis (2-chloroethyl) ether | < 328 | ug/Kg | 8/20/2018 20:33 |
| Bis (2-ethylhexyl) phthalate | < 328 | ug/Kg | 8/20/2018 20:33 |
| Butylbenzylphthalate | < 328 | ug/Kg | 8/20/2018 20:33 |
| Caprolactam | < 328 | ug/Kg | 8/20/2018 20:33 |
| Carbazole | < 328 | ug/Kg | 8/20/2018 20:33 |
| Chrysene | < 328 | ug/Kg | 8/20/2018 20:33 |
| Dibenz (a,h) anthracene | < 328 | ug/Kg | 8/20/2018 20:33 |
| Dibenzofuran | < 328 | ug/Kg | 8/20/2018 20:33 |
| Diethyl phthalate | < 328 | ug/Kg | 8/20/2018 20:33 |
| Dimethyl phthalate | < 328 | ug/Kg | 8/20/2018 20:33 |
| Di-n-butyl phthalate | < 328 | ug/Kg | 8/20/2018 20:33 |
| Di-n-octylphthalate | < 328 | ug/Kg | 8/20/2018 20:33 |
| Fluoranthene | < 328 | ug/Kg | 8/20/2018 20:33 |
| Fluorene | < 328 | ug/Kg | 8/20/2018 20:33 |

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Report Prepared Friday, August 31, 2018



Lab Project ID: 183739

Client: **BE3**

Project Reference: 31 + 150 Tonawanda Street

Sample Identifier: BH-4 (2.8-4') Native

Lab Sample ID: 183739-06

Date Sampled: 8/15/2018

Matrix: Soil

Date Received: 8/16/2018

| | | | | |
|----------------------------|--------|-------|-----------|-------|
| Hexachlorobenzene | < 328 | ug/Kg | 8/20/2018 | 20:33 |
| Hexachlorobutadiene | < 328 | ug/Kg | 8/20/2018 | 20:33 |
| Hexachlorocyclopentadiene | < 1310 | ug/Kg | 8/20/2018 | 20:33 |
| Hexachloroethane | < 328 | ug/Kg | 8/20/2018 | 20:33 |
| Indeno (1,2,3-cd) pyrene | < 328 | ug/Kg | 8/20/2018 | 20:33 |
| Isophorone | < 328 | ug/Kg | 8/20/2018 | 20:33 |
| Naphthalene | < 328 | ug/Kg | 8/20/2018 | 20:33 |
| Nitrobenzene | < 328 | ug/Kg | 8/20/2018 | 20:33 |
| N-Nitroso-di-n-propylamine | < 328 | ug/Kg | 8/20/2018 | 20:33 |
| N-Nitrosodiphenylamine | < 328 | ug/Kg | 8/20/2018 | 20:33 |
| Pentachlorophenol | < 657 | ug/Kg | 8/20/2018 | 20:33 |
| Phenanthrene | < 328 | ug/Kg | 8/20/2018 | 20:33 |
| Phenol | < 328 | ug/Kg | 8/20/2018 | 20:33 |
| Pyrene | < 328 | ug/Kg | 8/20/2018 | 20:33 |

| Surrogate | Percent Recovery | Limits | Outliers | Date Analyzed |
|----------------------|------------------|-------------|----------|-----------------|
| 2,4,6-Tribromophenol | 78.2 | 35.7 - 94.4 | | 8/20/2018 20:33 |
| 2-Fluorobiphenyl | 69.1 | 35.7 - 85.7 | | 8/20/2018 20:33 |
| 2-Fluorophenol | 62.5 | 39.4 - 78.1 | | 8/20/2018 20:33 |
| Nitrobenzene-d5 | 49.5 | 36.1 - 74.4 | | 8/20/2018 20:33 |
| Phenol-d5 | 60.5 | 40.6 - 79.3 | | 8/20/2018 20:33 |
| Terphenyl-d14 | 74.7 | 46.6 - 99.9 | | 8/20/2018 20:33 |

Method Reference(s): EPA 8270D

EPA 3546

Preparation Date: 8/17/2018

Data File: B30579.D

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Report Prepared Friday, August 31, 2018



Lab Project ID: 183739

Client: **BE3**

Project Reference: 31 + 150 Tonawanda Street

Sample Identifier: BH-4 (2.8-4') Native

Lab Sample ID: 183739-06

Date Sampled: 8/15/2018

Matrix: Soil

Date Received: 8/16/2018

Volatile Organics

| Analyte | Result | Units | Qualifier | Date Analyzed |
|-----------------------------|-------------|-------|-----------|-----------------|
| 1,1,1-Trichloroethane | < 4.55 | ug/Kg | | 8/27/2018 18:58 |
| 1,1,2,2-Tetrachloroethane | < 4.55 | ug/Kg | | 8/27/2018 18:58 |
| 1,1,2-Trichloroethane | < 4.55 | ug/Kg | | 8/27/2018 18:58 |
| 1,1-Dichloroethane | < 4.55 | ug/Kg | | 8/27/2018 18:58 |
| 1,1-Dichloroethene | < 4.55 | ug/Kg | | 8/27/2018 18:58 |
| 1,2,3-Trichlorobenzene | < 11.4 | ug/Kg | | 8/27/2018 18:58 |
| 1,2,4-Trichlorobenzene | < 11.4 | ug/Kg | | 8/27/2018 18:58 |
| 1,2,4-Trimethylbenzene | < 4.55 | ug/Kg | | 8/27/2018 18:58 |
| 1,2-Dibromo-3-Chloropropane | < 22.8 | ug/Kg | | 8/27/2018 18:58 |
| 1,2-Dibromoethane | < 4.55 | ug/Kg | | 8/27/2018 18:58 |
| 1,2-Dichlorobenzene | < 4.55 | ug/Kg | | 8/27/2018 18:58 |
| 1,2-Dichloroethane | < 4.55 | ug/Kg | | 8/27/2018 18:58 |
| 1,2-Dichloropropane | < 4.55 | ug/Kg | | 8/27/2018 18:58 |
| 1,3,5-Trimethylbenzene | < 4.55 | ug/Kg | | 8/27/2018 18:58 |
| 1,3-Dichlorobenzene | < 4.55 | ug/Kg | | 8/27/2018 18:58 |
| 1,4-Dichlorobenzene | < 4.55 | ug/Kg | | 8/27/2018 18:58 |
| 1,4-Dioxane | < 45.5 | ug/Kg | | 8/27/2018 18:58 |
| 2-Butanone | < 22.8 | ug/Kg | | 8/27/2018 18:58 |
| 2-Hexanone | < 11.4 | ug/Kg | | 8/27/2018 18:58 |
| 4-Methyl-2-pentanone | < 11.4 | ug/Kg | | 8/27/2018 18:58 |
| Acetone | 40.2 | ug/Kg | | 8/27/2018 18:58 |
| Benzene | < 4.55 | ug/Kg | | 8/27/2018 18:58 |
| Bromochloromethane | < 11.4 | ug/Kg | | 8/27/2018 18:58 |
| Bromodichloromethane | < 4.55 | ug/Kg | | 8/27/2018 18:58 |
| Bromoform | < 11.4 | ug/Kg | | 8/27/2018 18:58 |
| Bromomethane | < 4.55 | ug/Kg | | 8/27/2018 18:58 |
| Carbon disulfide | < 4.55 | ug/Kg | | 8/27/2018 18:58 |

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Report Prepared Friday, August 31, 2018



Lab Project ID: 183739

Client: BE3

Project Reference: 31 + 150 Tonawanda Street

Sample Identifier: BH-4 (2.8-4') Native

Lab Sample ID: 183739-06

Date Sampled: 8/15/2018

Matrix: Soil

Date Received: 8/16/2018

| | | | | |
|---------------------------|--------|-------|-----------|-------|
| Carbon Tetrachloride | < 4.55 | ug/Kg | 8/27/2018 | 18:58 |
| Chlorobenzene | < 4.55 | ug/Kg | 8/27/2018 | 18:58 |
| Chloroethane | < 4.55 | ug/Kg | 8/27/2018 | 18:58 |
| Chloroform | < 4.55 | ug/Kg | 8/27/2018 | 18:58 |
| Chloromethane | < 4.55 | ug/Kg | 8/27/2018 | 18:58 |
| cis-1,2-Dichloroethene | < 4.55 | ug/Kg | 8/27/2018 | 18:58 |
| cis-1,3-Dichloropropene | < 4.55 | ug/Kg | 8/27/2018 | 18:58 |
| Cyclohexane | < 22.8 | ug/Kg | 8/27/2018 | 18:58 |
| Dibromochloromethane | < 4.55 | ug/Kg | 8/27/2018 | 18:58 |
| Dichlorodifluoromethane | < 4.55 | ug/Kg | 8/27/2018 | 18:58 |
| Ethylbenzene | < 4.55 | ug/Kg | 8/27/2018 | 18:58 |
| Freon 113 | < 4.55 | ug/Kg | 8/27/2018 | 18:58 |
| Isopropylbenzene | < 4.55 | ug/Kg | 8/27/2018 | 18:58 |
| m,p-Xylene | < 4.55 | ug/Kg | 8/27/2018 | 18:58 |
| Methyl acetate | < 4.55 | ug/Kg | 8/27/2018 | 18:58 |
| Methyl tert-butyl Ether | < 4.55 | ug/Kg | 8/27/2018 | 18:58 |
| Methylcyclohexane | < 4.55 | ug/Kg | 8/27/2018 | 18:58 |
| Methylene chloride | < 11.4 | ug/Kg | 8/27/2018 | 18:58 |
| Naphthalene | < 11.4 | ug/Kg | 8/27/2018 | 18:58 |
| n-Butylbenzene | < 4.55 | ug/Kg | 8/27/2018 | 18:58 |
| n-Propylbenzene | < 4.55 | ug/Kg | 8/27/2018 | 18:58 |
| o-Xylene | < 4.55 | ug/Kg | 8/27/2018 | 18:58 |
| p-Isopropyltoluene | < 4.55 | ug/Kg | 8/27/2018 | 18:58 |
| sec-Butylbenzene | < 4.55 | ug/Kg | 8/27/2018 | 18:58 |
| Styrene | < 11.4 | ug/Kg | 8/27/2018 | 18:58 |
| tert-Butylbenzene | < 4.55 | ug/Kg | 8/27/2018 | 18:58 |
| Tetrachloroethene | < 4.55 | ug/Kg | 8/27/2018 | 18:58 |
| Toluene | < 4.55 | ug/Kg | 8/27/2018 | 18:58 |
| trans-1,2-Dichloroethene | < 4.55 | ug/Kg | 8/27/2018 | 18:58 |
| trans-1,3-Dichloropropene | < 4.55 | ug/Kg | 8/27/2018 | 18:58 |

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Report Prepared Friday, August 31, 2018



Lab Project ID: 183739

Client: **BE3**

Project Reference: 31 + 150 Tonawanda Street

Sample Identifier: BH-4 (2.8-4') Native

Lab Sample ID: 183739-06

Date Sampled: 8/15/2018

Matrix: Soil

Date Received: 8/16/2018

| | | | |
|------------------------|--------|-------|-----------------|
| Trichloroethene | < 4.55 | ug/Kg | 8/27/2018 18:58 |
| Trichlorofluoromethane | < 4.55 | ug/Kg | 8/27/2018 18:58 |
| Vinyl chloride | < 4.55 | ug/Kg | 8/27/2018 18:58 |

| Surrogate | Percent Recovery | Limits | Outliers | Date Analyzed |
|-----------------------|------------------|------------|----------|-----------------|
| 1,2-Dichloroethane-d4 | 112 | 80.4 - 128 | | 8/27/2018 18:58 |
| 4-Bromofluorobenzene | 86.0 | 75.7 - 120 | | 8/27/2018 18:58 |
| Pentafluorobenzene | 90.2 | 85.3 - 111 | | 8/27/2018 18:58 |
| Toluene-D8 | 87.8 | 85 - 112 | | 8/27/2018 18:58 |

Method Reference(s): EPA 8260C
EPA 5035A - L
Data File: x53545.D

This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.

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Report Prepared Friday, August 31, 2018



Lab Project ID: 183739

Client: **BE3**

Project Reference: 31 + 150 Tonawanda Street

Sample Identifier: BH-4 (2.8-4') Native

Lab Sample ID: 183739-06

Date Sampled: 8/15/2018

Matrix: Soil

Date Received: 8/16/2018

Total Cyanide

| <u>Analyte</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|----------------|---------------|--------------|------------------|----------------------|
| Cyanide, Total | < 0.602 | mg/Kg | | 8/29/2018 |

Method Reference(s): EPA 9014
Preparation Date: 8/28/2018

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Report Prepared Friday, August 31, 2018



Lab Project ID: 183739

Client: **BE3**

Project Reference: 31 + 150 Tonawanda Street

Sample Identifier: BH-6 (0-1)

Lab Sample ID: 183739-07

Matrix: Soil

Date Sampled: 8/15/2018

Date Received: 8/16/2018

Metals

| Analyte | Result | Units | Qualifier | Date Analyzed |
|----------------|---------------|--------------|------------------|----------------------|
| Arsenic | 6.37 | mg/Kg | | 8/20/2018 12:16 |
| Barium | 68.9 | mg/Kg | | 8/20/2018 12:16 |
| Beryllium | 0.580 | mg/Kg | | 8/20/2018 12:16 |
| Cadmium | 0.671 | mg/Kg | | 8/20/2018 12:16 |
| Chromium | 11.2 | mg/Kg | | 8/20/2018 12:16 |
| Copper | 30.3 | mg/Kg | | 8/20/2018 12:16 |
| Lead | 134 | mg/Kg | | 8/20/2018 12:16 |
| Manganese | 680 | mg/Kg | | 8/21/2018 18:12 |
| Nickel | 9.42 | mg/Kg | | 8/20/2018 12:16 |
| Selenium | < 2.01 | mg/Kg | | 8/21/2018 18:12 |
| Silver | 1.09 | mg/Kg | | 8/20/2018 12:16 |
| Zinc | 128 | mg/Kg | | 8/20/2018 12:16 |

Method Reference(s): EPA 6010C

EPA 3050B

Preparation Date: 8/17/2018

Data File: 180820A

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Friday, August 31, 2018



Lab Project ID: 183739

Client: **BE3**

Project Reference: 31 + 150 Tonawanda Street

Sample Identifier: BH-6 (0-1)

Lab Sample ID: 183739-07

Matrix: Soil

Date Sampled: 8/15/2018

Date Received: 8/16/2018

Mercury

| <u>Analyte</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|----------------|---------------|--------------|------------------|----------------------|
| Mercury | 0.320 | mg/Kg | | 8/27/2018 12:43 |

Method Reference(s): EPA 7471B
Preparation Date: 8/24/2018
Data File: Hg180827B

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Report Prepared Friday, August 31, 2018



Lab Project ID: 183739

Client: **BE3**

Project Reference: 31 + 150 Tonawanda Street

Sample Identifier: BH-6 (0-1)

Lab Sample ID: 183739-07

Matrix: Soil

Date Sampled: 8/15/2018

Date Received: 8/16/2018

PCBs

| <u>Analyte</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|----------------|---------------|--------------|------------------|----------------------|
| PCB-1016 | < 0.0280 | mg/Kg | | 8/23/2018 22:25 |
| PCB-1221 | < 0.0280 | mg/Kg | | 8/23/2018 22:25 |
| PCB-1232 | < 0.0280 | mg/Kg | | 8/23/2018 22:25 |
| PCB-1242 | < 0.0280 | mg/Kg | | 8/23/2018 22:25 |
| PCB-1248 | < 0.0280 | mg/Kg | | 8/23/2018 22:25 |
| PCB-1254 | 0.140 | mg/Kg | | 8/23/2018 22:25 |
| PCB-1260 | < 0.0280 | mg/Kg | | 8/23/2018 22:25 |
| PCB-1262 | < 0.0280 | mg/Kg | | 8/23/2018 22:25 |
| PCB-1268 | < 0.0280 | mg/Kg | | 8/23/2018 22:25 |

| <u>Surrogate</u> | <u>Percent Recovery</u> | <u>Limits</u> | <u>Outliers</u> | <u>Date Analyzed</u> |
|----------------------|-------------------------|---------------|-----------------|----------------------|
| Decachlorobiphenyl | 32.7 | 23.4 - 108 | | 8/23/2018 22:25 |
| Tetrachloro-m-xylene | 20.4 | 10 - 84 | | 8/23/2018 22:25 |

Method Reference(s): EPA 8082A

EPA 3546

Preparation Date: 8/23/2018

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Friday, August 31, 2018



Lab Project ID: 183739

Client: **BE3**

Project Reference: 31 + 150 Tonawanda Street

Sample Identifier: BH-6 (0-1)

Lab Sample ID: 183739-07

Matrix: Soil

Date Sampled: 8/15/2018

Date Received: 8/16/2018

Chlorinated Pesticides

| Analyte | Result | Units | Qualifier | Date Analyzed |
|--------------------------|------------------|------------|-----------|-----------------|
| 4,4-DDD | 9.85 | ug/Kg | P | 8/21/2018 18:34 |
| 4,4-DDE | 8.93 | ug/Kg | P | 8/21/2018 18:34 |
| 4,4-DDT | 31.9 | ug/Kg | | 8/21/2018 18:34 |
| Aldrin | 10.0 | ug/Kg | P | 8/21/2018 18:34 |
| alpha-BHC | < 3.19 | ug/Kg | | 8/21/2018 18:34 |
| beta-BHC | 6.92 | ug/Kg | P | 8/21/2018 18:34 |
| cis-Chlordane | 2.65 | ug/Kg | JP | 8/21/2018 18:34 |
| delta-BHC | 4.02 | ug/Kg | | 8/21/2018 18:34 |
| Dieldrin | 8.88 | ug/Kg | P | 8/21/2018 18:34 |
| Endosulfan I | < 3.19 | ug/Kg | | 8/21/2018 18:34 |
| Endosulfan II | < 3.19 | ug/Kg | | 8/21/2018 18:34 |
| Endosulfan Sulfate | 7.34 | ug/Kg | P | 8/21/2018 18:34 |
| Endrin | 10.0 | ug/Kg | P | 8/21/2018 18:34 |
| Endrin Aldehyde | 4.46 | ug/Kg | P | 8/21/2018 18:34 |
| Endrin Ketone | 14.3 | ug/Kg | | 8/21/2018 18:34 |
| gamma-BHC (Lindane) | < 3.19 | ug/Kg | | 8/21/2018 18:34 |
| Heptachlor | 1.80 | ug/Kg | JP | 8/21/2018 18:34 |
| Heptachlor Epoxide | 27.9 | ug/Kg | | 8/21/2018 18:34 |
| Methoxychlor | 22.5 | ug/Kg | P | 8/21/2018 18:34 |
| Toxaphene | < 31.9 | ug/Kg | | 8/21/2018 18:34 |
| trans-Chlordane | 11.9 | ug/Kg | P | 8/21/2018 18:34 |
| Surrogate | Percent Recovery | Limits | Outliers | Date Analyzed |
| Decachlorobiphenyl (1) | 410 | 46.2 - 125 | * | 8/21/2018 18:34 |
| Tetrachloro-m-xylene (1) | 79.1 | 29 - 98.8 | | 8/21/2018 18:34 |

Method Reference(s): EPA 8081B

EPA 3546

Preparation Date: 8/21/2018

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Friday, August 31, 2018



Lab Project ID: 183739

Client: **BE3**

Project Reference: 31 + 150 Tonawanda Street

Sample Identifier: BH-6 (0-1)

Lab Sample ID: 183739-07

Matrix: Soil

Date Sampled: 8/15/2018

Date Received: 8/16/2018

Semi-Volatile Organics (Acid/Base Neutrals)

| Analyte | Result | Units | Qualifier | Date Analyzed |
|------------------------------|------------|-------|-----------|-----------------|
| 1,1-Biphenyl | < 286 | ug/Kg | | 8/20/2018 21:02 |
| 1,2,4,5-Tetrachlorobenzene | < 286 | ug/Kg | | 8/20/2018 21:02 |
| 1,2,4-Trichlorobenzene | < 286 | ug/Kg | | 8/20/2018 21:02 |
| 1,2-Dichlorobenzene | < 286 | ug/Kg | | 8/20/2018 21:02 |
| 1,3-Dichlorobenzene | < 286 | ug/Kg | | 8/20/2018 21:02 |
| 1,4-Dichlorobenzene | < 286 | ug/Kg | | 8/20/2018 21:02 |
| 2,2-Oxybis (1-chloropropane) | < 286 | ug/Kg | | 8/20/2018 21:02 |
| 2,3,4,6-Tetrachlorophenol | < 286 | ug/Kg | | 8/20/2018 21:02 |
| 2,4,5-Trichlorophenol | < 286 | ug/Kg | | 8/20/2018 21:02 |
| 2,4,6-Trichlorophenol | < 286 | ug/Kg | | 8/20/2018 21:02 |
| 2,4-Dichlorophenol | < 286 | ug/Kg | | 8/20/2018 21:02 |
| 2,4-Dimethylphenol | < 286 | ug/Kg | | 8/20/2018 21:02 |
| 2,4-Dinitrophenol | < 1140 | ug/Kg | | 8/20/2018 21:02 |
| 2,4-Dinitrotoluene | < 286 | ug/Kg | | 8/20/2018 21:02 |
| 2,6-Dinitrotoluene | < 286 | ug/Kg | | 8/20/2018 21:02 |
| 2-Chloronaphthalene | < 286 | ug/Kg | | 8/20/2018 21:02 |
| 2-Chlorophenol | < 286 | ug/Kg | | 8/20/2018 21:02 |
| 2-Methylnapthalene | 319 | ug/Kg | | 8/20/2018 21:02 |
| 2-Methylphenol | < 286 | ug/Kg | | 8/20/2018 21:02 |
| 2-Nitroaniline | < 286 | ug/Kg | | 8/20/2018 21:02 |
| 2-Nitrophenol | < 286 | ug/Kg | | 8/20/2018 21:02 |
| 3&4-Methylphenol | < 286 | ug/Kg | | 8/20/2018 21:02 |
| 3,3'-Dichlorobenzidine | < 286 | ug/Kg | | 8/20/2018 21:02 |
| 3-Nitroaniline | < 286 | ug/Kg | | 8/20/2018 21:02 |
| 4,6-Dinitro-2-methylphenol | < 572 | ug/Kg | | 8/20/2018 21:02 |
| 4-Bromophenyl phenyl ether | < 286 | ug/Kg | | 8/20/2018 21:02 |
| 4-Chloro-3-methylphenol | < 286 | ug/Kg | | 8/20/2018 21:02 |

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Report Prepared Friday, August 31, 2018



Lab Project ID: 183739

Client: **BE3**

Project Reference: 31 + 150 Tonawanda Street

Sample Identifier: BH-6 (0-1)

Lab Sample ID: 183739-07

Date Sampled: 8/15/2018

Matrix: Soil

Date Received: 8/16/2018

| | | | |
|------------------------------|-------------|-------|-----------------|
| 4-Chloroaniline | < 286 | ug/Kg | 8/20/2018 21:02 |
| 4-Chlorophenyl phenyl ether | < 286 | ug/Kg | 8/20/2018 21:02 |
| 4-Nitroaniline | < 286 | ug/Kg | 8/20/2018 21:02 |
| 4-Nitrophenol | < 286 | ug/Kg | 8/20/2018 21:02 |
| Acenaphthene | 364 | ug/Kg | 8/20/2018 21:02 |
| Acenaphthylene | 320 | ug/Kg | 8/20/2018 21:02 |
| Acetophenone | < 286 | ug/Kg | 8/20/2018 21:02 |
| Anthracene | 968 | ug/Kg | 8/20/2018 21:02 |
| Atrazine | < 286 | ug/Kg | 8/20/2018 21:02 |
| Benzaldehyde | < 286 | ug/Kg | 8/20/2018 21:02 |
| Benzo (a) anthracene | 2560 | ug/Kg | 8/20/2018 21:02 |
| Benzo (a) pyrene | 2080 | ug/Kg | 8/20/2018 21:02 |
| Benzo (b) fluoranthene | 2260 | ug/Kg | 8/20/2018 21:02 |
| Benzo (g,h,i) perylene | 1340 | ug/Kg | 8/20/2018 21:02 |
| Benzo (k) fluoranthene | 1400 | ug/Kg | 8/20/2018 21:02 |
| Bis (2-chloroethoxy) methane | < 286 | ug/Kg | 8/20/2018 21:02 |
| Bis (2-chloroethyl) ether | < 286 | ug/Kg | 8/20/2018 21:02 |
| Bis (2-ethylhexyl) phthalate | < 286 | ug/Kg | 8/20/2018 21:02 |
| Butylbenzylphthalate | < 286 | ug/Kg | 8/20/2018 21:02 |
| Caprolactam | < 286 | ug/Kg | 8/20/2018 21:02 |
| Carbazole | 451 | ug/Kg | 8/20/2018 21:02 |
| Chrysene | 2560 | ug/Kg | 8/20/2018 21:02 |
| Dibenz (a,h) anthracene | 362 | ug/Kg | 8/20/2018 21:02 |
| Dibenzofuran | 319 | ug/Kg | 8/20/2018 21:02 |
| Diethyl phthalate | < 286 | ug/Kg | 8/20/2018 21:02 |
| Dimethyl phthalate | < 286 | ug/Kg | 8/20/2018 21:02 |
| Di-n-butyl phthalate | < 286 | ug/Kg | 8/20/2018 21:02 |
| Di-n-octylphthalate | < 286 | ug/Kg | 8/20/2018 21:02 |
| Fluoranthene | 5850 | ug/Kg | 8/20/2018 21:02 |
| Fluorene | 326 | ug/Kg | 8/20/2018 21:02 |

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Report Prepared Friday, August 31, 2018



Lab Project ID: 183739

Client: **BE3**

Project Reference: 31 + 150 Tonawanda Street

Sample Identifier: BH-6 (0-1)

Lab Sample ID: 183739-07

Date Sampled: 8/15/2018

Matrix: Soil

Date Received: 8/16/2018

| | | | | |
|----------------------------|-------------|-------|-----------|-------|
| Hexachlorobenzene | < 286 | ug/Kg | 8/20/2018 | 21:02 |
| Hexachlorobutadiene | < 286 | ug/Kg | 8/20/2018 | 21:02 |
| Hexachlorocyclopentadiene | < 1140 | ug/Kg | 8/20/2018 | 21:02 |
| Hexachloroethane | < 286 | ug/Kg | 8/20/2018 | 21:02 |
| Indeno (1,2,3-cd) pyrene | 1350 | ug/Kg | 8/20/2018 | 21:02 |
| Isophorone | < 286 | ug/Kg | 8/20/2018 | 21:02 |
| Naphthalene | 341 | ug/Kg | 8/20/2018 | 21:02 |
| Nitrobenzene | < 286 | ug/Kg | 8/20/2018 | 21:02 |
| N-Nitroso-di-n-propylamine | < 286 | ug/Kg | 8/20/2018 | 21:02 |
| N-Nitrosodiphenylamine | < 286 | ug/Kg | 8/20/2018 | 21:02 |
| Pentachlorophenol | < 572 | ug/Kg | 8/20/2018 | 21:02 |
| Phenanthrene | 3920 | ug/Kg | 8/20/2018 | 21:02 |
| Phenol | < 286 | ug/Kg | 8/20/2018 | 21:02 |
| Pyrene | 5020 | ug/Kg | 8/20/2018 | 21:02 |

| Surrogate | Percent Recovery | Limits | Outliers | Date Analyzed |
|----------------------|-------------------------|---------------|-----------------|----------------------|
| 2,4,6-Tribromophenol | 62.2 | 35.7 - 94.4 | | 8/20/2018 21:02 |
| 2-Fluorobiphenyl | 62.9 | 35.7 - 85.7 | | 8/20/2018 21:02 |
| 2-Fluorophenol | 54.1 | 39.4 - 78.1 | | 8/20/2018 21:02 |
| Nitrobenzene-d5 | 52.5 | 36.1 - 74.4 | | 8/20/2018 21:02 |
| Phenol-d5 | 54.5 | 40.6 - 79.3 | | 8/20/2018 21:02 |
| Terphenyl-d14 | 63.5 | 46.6 - 99.9 | | 8/20/2018 21:02 |

Method Reference(s): EPA 8270D

EPA 3546

Preparation Date: 8/17/2018

Data File: B30580.D

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Report Prepared Friday, August 31, 2018



Lab Project ID: 183739

Client: **BE3**

Project Reference: 31 + 150 Tonawanda Street

Sample Identifier: BH-6 (0-1)

Lab Sample ID: 183739-07

Matrix: Soil

Date Sampled: 8/15/2018

Date Received: 8/16/2018

Total Cyanide

| <u>Analyte</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|----------------|---------------|--------------|------------------|----------------------|
| Cyanide, Total | < 0.485 | mg/Kg | | 8/29/2018 |

Method Reference(s): EPA 9014
Preparation Date: 8/28/2018

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Report Prepared Friday, August 31, 2018



Lab Project ID: 183739

Client: **BE3**

Project Reference: 31 + 150 Tonawanda Street

Sample Identifier: BH-2 (0-1)

Lab Sample ID: 183739-08

Matrix: Soil

Date Sampled: 8/15/2018

Date Received: 8/16/2018

Metals

| Analyte | Result | Units | Qualifier | Date Analyzed |
|----------------|---------------|--------------|------------------|----------------------|
| Arsenic | 4.23 | mg/Kg | | 8/20/2018 12:20 |
| Barium | 96.8 | mg/Kg | | 8/20/2018 12:20 |
| Beryllium | 0.703 | mg/Kg | | 8/20/2018 12:20 |
| Cadmium | 0.541 | mg/Kg | | 8/20/2018 12:20 |
| Chromium | 15.8 | mg/Kg | | 8/20/2018 12:20 |
| Copper | 22.9 | mg/Kg | | 8/20/2018 12:20 |
| Lead | 27.7 | mg/Kg | | 8/20/2018 12:20 |
| Manganese | 197 | mg/Kg | | 8/20/2018 12:20 |
| Nickel | 17.3 | mg/Kg | | 8/20/2018 12:20 |
| Selenium | < 3.15 | mg/Kg | | 8/21/2018 18:16 |
| Silver | 0.842 | mg/Kg | | 8/20/2018 12:20 |
| Zinc | 78.7 | mg/Kg | | 8/20/2018 12:20 |

Method Reference(s): EPA 6010C

EPA 3050B

Preparation Date: 8/17/2018

Data File: 180820A

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Report Prepared Friday, August 31, 2018



Lab Project ID: 183739

Client: **BE3**

Project Reference: 31 + 150 Tonawanda Street

Sample Identifier: BH-2 (0-1)

Lab Sample ID: 183739-08

Matrix: Soil

Date Sampled: 8/15/2018

Date Received: 8/16/2018

Mercury

| <u>Analyte</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|----------------|---------------|--------------|------------------|----------------------|
| Mercury | 0.360 | mg/Kg | | 8/27/2018 12:46 |

Method Reference(s): EPA 7471B
Preparation Date: 8/24/2018
Data File: Hg180827B

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Report Prepared Friday, August 31, 2018



Lab Project ID: 183739

Client: **BE3**

Project Reference: 31 + 150 Tonawanda Street

Sample Identifier: BH-2 (0-1)

Lab Sample ID: 183739-08

Matrix: Soil

Date Sampled: 8/15/2018

Date Received: 8/16/2018

PCBs

| <u>Analyte</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|----------------|---------------|--------------|------------------|----------------------|
| PCB-1016 | < 0.0282 | mg/Kg | | 8/23/2018 22:48 |
| PCB-1221 | < 0.0282 | mg/Kg | | 8/23/2018 22:48 |
| PCB-1232 | < 0.0282 | mg/Kg | | 8/23/2018 22:48 |
| PCB-1242 | < 0.0282 | mg/Kg | | 8/23/2018 22:48 |
| PCB-1248 | < 0.0282 | mg/Kg | | 8/23/2018 22:48 |
| PCB-1254 | < 0.0282 | mg/Kg | | 8/23/2018 22:48 |
| PCB-1260 | 0.0377 | mg/Kg | | 8/23/2018 22:48 |
| PCB-1262 | < 0.0282 | mg/Kg | | 8/23/2018 22:48 |
| PCB-1268 | < 0.0282 | mg/Kg | | 8/23/2018 22:48 |

| <u>Surrogate</u> | <u>Percent Recovery</u> | <u>Limits</u> | <u>Outliers</u> | <u>Date Analyzed</u> |
|----------------------|-------------------------|---------------|-----------------|----------------------|
| Decachlorobiphenyl | 46.9 | 23.4 - 108 | | 8/23/2018 22:48 |
| Tetrachloro-m-xylene | 36.9 | 10 - 84 | | 8/23/2018 22:48 |

Method Reference(s): EPA 8082A

EPA 3546

Preparation Date: 8/23/2018

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Report Prepared Friday, August 31, 2018



Lab Project ID: 183739

Client: **BE3**

Project Reference: 31 + 150 Tonawanda Street

Sample Identifier: BH-2 (0-1)

Lab Sample ID: 183739-08

Matrix: Soil

Date Sampled: 8/15/2018

Date Received: 8/16/2018

Chlorinated Pesticides

| Analyte | Result | Units | Qualifier | Date Analyzed |
|--------------------------|------------------|------------|-----------|-----------------|
| 4,4-DDD | < 3.37 | ug/Kg | | 8/21/2018 18:49 |
| 4,4-DDE | 5.27 | ug/Kg | P | 8/21/2018 18:49 |
| 4,4-DDT | < 3.37 | ug/Kg | | 8/21/2018 18:49 |
| Aldrin | < 3.37 | ug/Kg | | 8/21/2018 18:49 |
| alpha-BHC | < 3.37 | ug/Kg | | 8/21/2018 18:49 |
| beta-BHC | < 3.37 | ug/Kg | | 8/21/2018 18:49 |
| cis-Chlordane | < 3.37 | ug/Kg | | 8/21/2018 18:49 |
| delta-BHC | < 3.37 | ug/Kg | | 8/21/2018 18:49 |
| Dieldrin | 2.17 | ug/Kg | J | 8/21/2018 18:49 |
| Endosulfan I | < 3.37 | ug/Kg | | 8/21/2018 18:49 |
| Endosulfan II | < 3.37 | ug/Kg | | 8/21/2018 18:49 |
| Endosulfan Sulfate | 3.19 | ug/Kg | JP | 8/21/2018 18:49 |
| Endrin | 1.75 | ug/Kg | JP | 8/21/2018 18:49 |
| Endrin Aldehyde | < 3.37 | ug/Kg | | 8/21/2018 18:49 |
| Endrin Ketone | 2.64 | ug/Kg | JP | 8/21/2018 18:49 |
| gamma-BHC (Lindane) | < 3.37 | ug/Kg | | 8/21/2018 18:49 |
| Heptachlor | < 3.37 | ug/Kg | | 8/21/2018 18:49 |
| Heptachlor Epoxide | < 3.37 | ug/Kg | | 8/21/2018 18:49 |
| Methoxychlor | 9.82 | ug/Kg | P | 8/21/2018 18:49 |
| Toxaphene | < 33.7 | ug/Kg | | 8/21/2018 18:49 |
| trans-Chlordane | 2.33 | ug/Kg | JP | 8/21/2018 18:49 |
| Surrogate | Percent Recovery | Limits | Outliers | Date Analyzed |
| Decachlorobiphenyl (1) | 113 | 46.2 - 125 | | 8/21/2018 18:49 |
| Tetrachloro-m-xylene (1) | 65.2 | 29 - 98.8 | | 8/21/2018 18:49 |

Method Reference(s): EPA 8081B

EPA 3546

Preparation Date: 8/21/2018

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Report Prepared Friday, August 31, 2018



Lab Project ID: 183739

Client: **BE3**

Project Reference: 31 + 150 Tonawanda Street

Sample Identifier: BH-2 (0-1)

Lab Sample ID: 183739-08

Matrix: Soil

Date Sampled: 8/15/2018

Date Received: 8/16/2018

Semi-Volatile Organics (Acid/Base Neutrals)

| Analyte | Result | Units | Qualifier | Date Analyzed |
|------------------------------|--------|-------|-----------|-----------------|
| 1,1-Biphenyl | < 307 | ug/Kg | | 8/20/2018 21:31 |
| 1,2,4,5-Tetrachlorobenzene | < 307 | ug/Kg | | 8/20/2018 21:31 |
| 1,2,4-Trichlorobenzene | < 307 | ug/Kg | | 8/20/2018 21:31 |
| 1,2-Dichlorobenzene | < 307 | ug/Kg | | 8/20/2018 21:31 |
| 1,3-Dichlorobenzene | < 307 | ug/Kg | | 8/20/2018 21:31 |
| 1,4-Dichlorobenzene | < 307 | ug/Kg | | 8/20/2018 21:31 |
| 2,2-Oxybis (1-chloropropane) | < 307 | ug/Kg | | 8/20/2018 21:31 |
| 2,3,4,6-Tetrachlorophenol | < 307 | ug/Kg | | 8/20/2018 21:31 |
| 2,4,5-Trichlorophenol | < 307 | ug/Kg | | 8/20/2018 21:31 |
| 2,4,6-Trichlorophenol | < 307 | ug/Kg | | 8/20/2018 21:31 |
| 2,4-Dichlorophenol | < 307 | ug/Kg | | 8/20/2018 21:31 |
| 2,4-Dimethylphenol | < 307 | ug/Kg | | 8/20/2018 21:31 |
| 2,4-Dinitrophenol | < 1230 | ug/Kg | | 8/20/2018 21:31 |
| 2,4-Dinitrotoluene | < 307 | ug/Kg | | 8/20/2018 21:31 |
| 2,6-Dinitrotoluene | < 307 | ug/Kg | | 8/20/2018 21:31 |
| 2-Chloronaphthalene | < 307 | ug/Kg | | 8/20/2018 21:31 |
| 2-Chlorophenol | < 307 | ug/Kg | | 8/20/2018 21:31 |
| 2-Methylnapthalene | < 307 | ug/Kg | | 8/20/2018 21:31 |
| 2-Methylphenol | < 307 | ug/Kg | | 8/20/2018 21:31 |
| 2-Nitroaniline | < 307 | ug/Kg | | 8/20/2018 21:31 |
| 2-Nitrophenol | < 307 | ug/Kg | | 8/20/2018 21:31 |
| 3&4-Methylphenol | < 307 | ug/Kg | | 8/20/2018 21:31 |
| 3,3'-Dichlorobenzidine | < 307 | ug/Kg | | 8/20/2018 21:31 |
| 3-Nitroaniline | < 307 | ug/Kg | | 8/20/2018 21:31 |
| 4,6-Dinitro-2-methylphenol | < 615 | ug/Kg | | 8/20/2018 21:31 |
| 4-Bromophenyl phenyl ether | < 307 | ug/Kg | | 8/20/2018 21:31 |
| 4-Chloro-3-methylphenol | < 307 | ug/Kg | | 8/20/2018 21:31 |

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Report Prepared Friday, August 31, 2018



Lab Project ID: 183739

Client: **BE3**

Project Reference: 31 + 150 Tonawanda Street

| | | | | |
|------------------------------|-------------|-------|----------------|-----------------|
| Sample Identifier: | BH-2 (0-1) | | | |
| Lab Sample ID: | 183739-08 | | Date Sampled: | 8/15/2018 |
| Matrix: | Soil | | Date Received: | 8/16/2018 |
| 4-Chloroaniline | < 307 | ug/Kg | | 8/20/2018 21:31 |
| 4-Chlorophenyl phenyl ether | < 307 | ug/Kg | | 8/20/2018 21:31 |
| 4-Nitroaniline | < 307 | ug/Kg | | 8/20/2018 21:31 |
| 4-Nitrophenol | < 307 | ug/Kg | | 8/20/2018 21:31 |
| Acenaphthene | 404 | ug/Kg | | 8/20/2018 21:31 |
| Acenaphthylene | < 307 | ug/Kg | | 8/20/2018 21:31 |
| Acetophenone | < 307 | ug/Kg | | 8/20/2018 21:31 |
| Anthracene | 1220 | ug/Kg | | 8/20/2018 21:31 |
| Atrazine | < 307 | ug/Kg | | 8/20/2018 21:31 |
| Benzaldehyde | < 307 | ug/Kg | | 8/20/2018 21:31 |
| Benzo (a) anthracene | 4020 | ug/Kg | | 8/20/2018 21:31 |
| Benzo (a) pyrene | 3890 | ug/Kg | | 8/20/2018 21:31 |
| Benzo (b) fluoranthene | 4360 | ug/Kg | | 8/20/2018 21:31 |
| Benzo (g,h,i) perylene | 2930 | ug/Kg | | 8/20/2018 21:31 |
| Benzo (k) fluoranthene | 2280 | ug/Kg | | 8/20/2018 21:31 |
| Bis (2-chloroethoxy) methane | < 307 | ug/Kg | | 8/20/2018 21:31 |
| Bis (2-chloroethyl) ether | < 307 | ug/Kg | | 8/20/2018 21:31 |
| Bis (2-ethylhexyl) phthalate | < 307 | ug/Kg | | 8/20/2018 21:31 |
| Butylbenzylphthalate | < 307 | ug/Kg | | 8/20/2018 21:31 |
| Caprolactam | < 307 | ug/Kg | | 8/20/2018 21:31 |
| Carbazole | 656 | ug/Kg | | 8/20/2018 21:31 |
| Chrysene | 4320 | ug/Kg | | 8/20/2018 21:31 |
| Dibenz (a,h) anthracene | 613 | ug/Kg | | 8/20/2018 21:31 |
| Dibenzofuran | 206 | ug/Kg | J | 8/20/2018 21:31 |
| Diethyl phthalate | < 307 | ug/Kg | | 8/20/2018 21:31 |
| Dimethyl phthalate | < 307 | ug/Kg | | 8/20/2018 21:31 |
| Di-n-butyl phthalate | < 307 | ug/Kg | | 8/20/2018 21:31 |
| Di-n-octylphthalate | < 307 | ug/Kg | | 8/20/2018 21:31 |
| Fluoranthene | 9020 | ug/Kg | | 8/20/2018 21:31 |
| Fluorene | 383 | ug/Kg | | 8/20/2018 21:31 |

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Report Prepared Friday, August 31, 2018



Lab Project ID: 183739

Client: **BE3**

Project Reference: 31 + 150 Tonawanda Street

Sample Identifier: BH-2 (0-1)

Lab Sample ID: 183739-08

Date Sampled: 8/15/2018

Matrix: Soil

Date Received: 8/16/2018

| | | | | |
|----------------------------|-------------|-------|---|-----------------|
| Hexachlorobenzene | < 307 | ug/Kg | | 8/20/2018 21:31 |
| Hexachlorobutadiene | < 307 | ug/Kg | | 8/20/2018 21:31 |
| Hexachlorocyclopentadiene | < 1230 | ug/Kg | | 8/20/2018 21:31 |
| Hexachloroethane | < 307 | ug/Kg | | 8/20/2018 21:31 |
| Indeno (1,2,3-cd) pyrene | 2730 | ug/Kg | | 8/20/2018 21:31 |
| Isophorone | < 307 | ug/Kg | | 8/20/2018 21:31 |
| Naphthalene | 178 | ug/Kg | J | 8/20/2018 21:31 |
| Nitrobenzene | < 307 | ug/Kg | | 8/20/2018 21:31 |
| N-Nitroso-di-n-propylamine | < 307 | ug/Kg | | 8/20/2018 21:31 |
| N-Nitrosodiphenylamine | < 307 | ug/Kg | | 8/20/2018 21:31 |
| Pentachlorophenol | < 615 | ug/Kg | | 8/20/2018 21:31 |
| Phenanthrene | 4790 | ug/Kg | | 8/20/2018 21:31 |
| Phenol | < 307 | ug/Kg | | 8/20/2018 21:31 |
| Pyrene | 7610 | ug/Kg | | 8/20/2018 21:31 |

| Surrogate | Percent Recovery | Limits | Outliers | Date Analyzed |
|----------------------|------------------|-------------|----------|-----------------|
| 2,4,6-Tribromophenol | 76.6 | 35.7 - 94.4 | | 8/20/2018 21:31 |
| 2-Fluorobiphenyl | 72.1 | 35.7 - 85.7 | | 8/20/2018 21:31 |
| 2-Fluorophenol | 64.3 | 39.4 - 78.1 | | 8/20/2018 21:31 |
| Nitrobenzene-d5 | 62.3 | 36.1 - 74.4 | | 8/20/2018 21:31 |
| Phenol-d5 | 64.0 | 40.6 - 79.3 | | 8/20/2018 21:31 |
| Terphenyl-d14 | 73.5 | 46.6 - 99.9 | | 8/20/2018 21:31 |

Method Reference(s): EPA 8270D

EPA 3546

Preparation Date: 8/17/2018

Data File: B30581.D

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Friday, August 31, 2018



Lab Project ID: 183739

Client: **BE3**

Project Reference: 31 + 150 Tonawanda Street

Sample Identifier: BH-2 (0-1)

Lab Sample ID: 183739-08

Matrix: Soil

Date Sampled: 8/15/2018

Date Received: 8/16/2018

Total Cyanide

| <u>Analyte</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|----------------|---------------|--------------|------------------|----------------------|
| Cyanide, Total | < 0.520 | mg/Kg | | 8/29/2018 |

Method Reference(s): EPA 9014
Preparation Date: 8/28/2018

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Report Prepared Friday, August 31, 2018



Lab Project ID: 183739

Client: **BE3**

Project Reference: 31 + 150 Tonawanda Street

Sample Identifier: BH-4 (0-1)

Lab Sample ID: 183739-09

Matrix: Soil

Date Sampled: 8/15/2018

Date Received: 8/16/2018

Metals

| Analyte | Result | Units | Qualifier | Date Analyzed |
|----------------|---------------|--------------|------------------|----------------------|
| Arsenic | 15.1 | mg/Kg | | 8/20/2018 12:24 |
| Barium | 82.3 | mg/Kg | | 8/20/2018 12:24 |
| Beryllium | 0.668 | mg/Kg | | 8/20/2018 12:24 |
| Cadmium | 1.11 | mg/Kg | | 8/20/2018 12:24 |
| Chromium | 14.5 | mg/Kg | | 8/20/2018 12:24 |
| Copper | 141 | mg/Kg | | 8/20/2018 12:24 |
| Lead | 271 | mg/Kg | | 8/20/2018 12:24 |
| Manganese | 477 | mg/Kg | | 8/20/2018 12:24 |
| Nickel | 21.7 | mg/Kg | | 8/20/2018 12:24 |
| Selenium | 1.10 | mg/Kg | | 8/20/2018 12:24 |
| Silver | 2.98 | mg/Kg | | 8/20/2018 12:24 |
| Zinc | 199 | mg/Kg | | 8/20/2018 12:24 |

Method Reference(s): EPA 6010C

EPA 3050B

Preparation Date: 8/17/2018

Data File: 180820A

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Friday, August 31, 2018



Lab Project ID: 183739

Client: **BE3**

Project Reference: 31 + 150 Tonawanda Street

Sample Identifier: BH-4 (0-1)

Lab Sample ID: 183739-09

Matrix: Soil

Date Sampled: 8/15/2018

Date Received: 8/16/2018

Mercury

| <u>Analyte</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|----------------|---------------|--------------|------------------|----------------------|
| Mercury | 0.238 | mg/Kg | | 8/27/2018 12:49 |

Method Reference(s): EPA 7471B

Preparation Date: 8/24/2018

Data File: Hg180827B

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Friday, August 31, 2018



Lab Project ID: 183739

Client: **BE3**

Project Reference: 31 + 150 Tonawanda Street

Sample Identifier: BH-4 (0-1)

Lab Sample ID: 183739-09

Matrix: Soil

Date Sampled: 8/15/2018

Date Received: 8/16/2018

PCBs

| <u>Analyte</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|----------------|---------------|--------------|------------------|----------------------|
| PCB-1016 | < 0.0324 | mg/Kg | | 8/23/2018 23:11 |
| PCB-1221 | < 0.0324 | mg/Kg | | 8/23/2018 23:11 |
| PCB-1232 | < 0.0324 | mg/Kg | | 8/23/2018 23:11 |
| PCB-1242 | < 0.0324 | mg/Kg | | 8/23/2018 23:11 |
| PCB-1248 | < 0.0324 | mg/Kg | | 8/23/2018 23:11 |
| PCB-1254 | < 0.0324 | mg/Kg | | 8/23/2018 23:11 |
| PCB-1260 | < 0.0324 | mg/Kg | | 8/23/2018 23:11 |
| PCB-1262 | < 0.0324 | mg/Kg | | 8/23/2018 23:11 |
| PCB-1268 | < 0.0324 | mg/Kg | | 8/23/2018 23:11 |

| <u>Surrogate</u> | <u>Percent Recovery</u> | <u>Limits</u> | <u>Outliers</u> | <u>Date Analyzed</u> |
|----------------------|-------------------------|---------------|-----------------|----------------------|
| Decachlorobiphenyl | 6.24 | 23.4 - 108 | * | 8/23/2018 23:11 |
| Tetrachloro-m-xylene | 4.46 | 10 - 84 | * | 8/23/2018 23:11 |

Method Reference(s): EPA 8082A

EPA 3546

Preparation Date: 8/23/2018

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Friday, August 31, 2018



Lab Project ID: 183739

Client: **BE3**

Project Reference: 31 + 150 Tonawanda Street

Sample Identifier: BH-4 (0-1)

Lab Sample ID: 183739-09

Matrix: Soil

Date Sampled: 8/15/2018

Date Received: 8/16/2018

Chlorinated Pesticides

| Analyte | Result | Units | Qualifier | Date Analyzed |
|---------------------|-------------|-------|-----------|-----------------|
| 4,4-DDD | < 3.38 | ug/Kg | | 8/23/2018 18:57 |
| 4,4-DDE | < 3.38 | ug/Kg | | 8/23/2018 18:57 |
| 4,4-DDT | < 3.38 | ug/Kg | | 8/23/2018 18:57 |
| Aldrin | < 3.38 | ug/Kg | | 8/23/2018 18:57 |
| alpha-BHC | < 3.38 | ug/Kg | | 8/23/2018 18:57 |
| beta-BHC | < 3.38 | ug/Kg | | 8/23/2018 18:57 |
| cis-Chlordane | 12.8 | ug/Kg | | 8/23/2018 18:57 |
| delta-BHC | 3.79 | ug/Kg | | 8/23/2018 18:57 |
| Dieldrin | < 3.38 | ug/Kg | | 8/23/2018 18:57 |
| Endosulfan I | < 3.38 | ug/Kg | | 8/23/2018 18:57 |
| Endosulfan II | < 3.38 | ug/Kg | | 8/23/2018 18:57 |
| Endosulfan Sulfate | 3.27 | ug/Kg | JP | 8/23/2018 18:57 |
| Endrin | < 3.38 | ug/Kg | | 8/23/2018 18:57 |
| Endrin Aldehyde | 4.61 | ug/Kg | | 8/23/2018 18:57 |
| Endrin Ketone | 7.93 | ug/Kg | P | 8/23/2018 18:57 |
| gamma-BHC (Lindane) | < 3.38 | ug/Kg | | 8/23/2018 18:57 |
| Heptachlor | < 3.38 | ug/Kg | | 8/23/2018 18:57 |
| Heptachlor Epoxide | 2.28 | ug/Kg | JP | 8/23/2018 18:57 |
| Methoxychlor | 7.90 | ug/Kg | P | 8/23/2018 18:57 |
| Toxaphene | < 33.8 | ug/Kg | | 8/23/2018 18:57 |
| trans-Chlordane | < 3.38 | ug/Kg | | 8/23/2018 18:57 |

| Surrogate | Percent Recovery | Limits | Outliers | Date Analyzed |
|--------------------------|------------------|------------|----------|-----------------|
| Decachlorobiphenyl (1) | 39.3 | 46.2 - 125 | * | 8/23/2018 18:57 |
| Tetrachloro-m-xylene (1) | 37.7 | 29 - 98.8 | | 8/23/2018 18:57 |

Method Reference(s): EPA 8081B

EPA 3546

Preparation Date: 8/21/2018

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Report Prepared Friday, August 31, 2018



Lab Project ID: 183739

Client: **BE3**

Project Reference: 31 + 150 Tonawanda Street

Sample Identifier: BH-4 (0-1)

Lab Sample ID: 183739-09

Matrix: Soil

Date Sampled: 8/15/2018

Date Received: 8/16/2018

Semi-Volatile Organics (Acid/Base Neutrals)

| Analyte | Result | Units | Qualifier | Date Analyzed |
|------------------------------|--------|-------|-----------|-----------------|
| 1,1-Biphenyl | 195 | ug/Kg | J | 8/20/2018 22:01 |
| 1,2,4,5-Tetrachlorobenzene | < 302 | ug/Kg | | 8/20/2018 22:01 |
| 1,2,4-Trichlorobenzene | < 302 | ug/Kg | | 8/20/2018 22:01 |
| 1,2-Dichlorobenzene | < 302 | ug/Kg | | 8/20/2018 22:01 |
| 1,3-Dichlorobenzene | < 302 | ug/Kg | | 8/20/2018 22:01 |
| 1,4-Dichlorobenzene | < 302 | ug/Kg | | 8/20/2018 22:01 |
| 2,2-Oxybis (1-chloropropane) | < 302 | ug/Kg | | 8/20/2018 22:01 |
| 2,3,4,6-Tetrachlorophenol | < 302 | ug/Kg | | 8/20/2018 22:01 |
| 2,4,5-Trichlorophenol | < 302 | ug/Kg | | 8/20/2018 22:01 |
| 2,4,6-Trichlorophenol | < 302 | ug/Kg | | 8/20/2018 22:01 |
| 2,4-Dichlorophenol | < 302 | ug/Kg | | 8/20/2018 22:01 |
| 2,4-Dimethylphenol | < 302 | ug/Kg | | 8/20/2018 22:01 |
| 2,4-Dinitrophenol | < 1210 | ug/Kg | | 8/20/2018 22:01 |
| 2,4-Dinitrotoluene | < 302 | ug/Kg | | 8/20/2018 22:01 |
| 2,6-Dinitrotoluene | < 302 | ug/Kg | | 8/20/2018 22:01 |
| 2-Chloronaphthalene | < 302 | ug/Kg | | 8/20/2018 22:01 |
| 2-Chlorophenol | < 302 | ug/Kg | | 8/20/2018 22:01 |
| 2-Methylnapthalene | 1590 | ug/Kg | | 8/20/2018 22:01 |
| 2-Methylphenol | < 302 | ug/Kg | | 8/20/2018 22:01 |
| 2-Nitroaniline | < 302 | ug/Kg | | 8/20/2018 22:01 |
| 2-Nitrophenol | < 302 | ug/Kg | | 8/20/2018 22:01 |
| 3&4-Methylphenol | < 302 | ug/Kg | | 8/20/2018 22:01 |
| 3,3'-Dichlorobenzidine | < 302 | ug/Kg | | 8/20/2018 22:01 |
| 3-Nitroaniline | < 302 | ug/Kg | | 8/20/2018 22:01 |
| 4,6-Dinitro-2-methylphenol | < 604 | ug/Kg | | 8/20/2018 22:01 |
| 4-Bromophenyl phenyl ether | < 302 | ug/Kg | | 8/20/2018 22:01 |
| 4-Chloro-3-methylphenol | < 302 | ug/Kg | | 8/20/2018 22:01 |

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Report Prepared Friday, August 31, 2018



Lab Project ID: 183739

Client: **BE3**

Project Reference: 31 + 150 Tonawanda Street

Sample Identifier: BH-4 (0-1)

Lab Sample ID: 183739-09

Matrix: Soil

Date Sampled: 8/15/2018

Date Received: 8/16/2018

| | | | |
|------------------------------|-------------|-------|-------------------|
| 4-Chloroaniline | < 302 | ug/Kg | 8/20/2018 22:01 |
| 4-Chlorophenyl phenyl ether | < 302 | ug/Kg | 8/20/2018 22:01 |
| 4-Nitroaniline | < 302 | ug/Kg | 8/20/2018 22:01 |
| 4-Nitrophenol | < 302 | ug/Kg | 8/20/2018 22:01 |
| Acenaphthene | < 302 | ug/Kg | 8/20/2018 22:01 |
| Acenaphthylene | 929 | ug/Kg | 8/20/2018 22:01 |
| Acetophenone | < 302 | ug/Kg | 8/20/2018 22:01 |
| Anthracene | 672 | ug/Kg | 8/20/2018 22:01 |
| Atrazine | < 302 | ug/Kg | 8/20/2018 22:01 |
| Benzaldehyde | < 302 | ug/Kg | 8/20/2018 22:01 |
| Benzo (a) anthracene | 1300 | ug/Kg | 8/20/2018 22:01 |
| Benzo (a) pyrene | 1030 | ug/Kg | 8/20/2018 22:01 |
| Benzo (b) fluoranthene | 1380 | ug/Kg | 8/20/2018 22:01 |
| Benzo (g,h,i) perylene | 708 | ug/Kg | 8/20/2018 22:01 |
| Benzo (k) fluoranthene | 1010 | ug/Kg | 8/20/2018 22:01 |
| Bis (2-chloroethoxy) methane | < 302 | ug/Kg | 8/20/2018 22:01 |
| Bis (2-chloroethyl) ether | < 302 | ug/Kg | 8/20/2018 22:01 |
| Bis (2-ethylhexyl) phthalate | < 302 | ug/Kg | 8/20/2018 22:01 |
| Butylbenzylphthalate | < 302 | ug/Kg | 8/20/2018 22:01 |
| Caprolactam | < 302 | ug/Kg | 8/20/2018 22:01 |
| Carbazole | < 302 | ug/Kg | 8/20/2018 22:01 |
| Chrysene | 1450 | ug/Kg | 8/20/2018 22:01 |
| Dibenz (a,h) anthracene | 266 | ug/Kg | J 8/20/2018 22:01 |
| Dibenzofuran | 537 | ug/Kg | 8/20/2018 22:01 |
| Diethyl phthalate | < 302 | ug/Kg | 8/20/2018 22:01 |
| Dimethyl phthalate | < 302 | ug/Kg | 8/20/2018 22:01 |
| Di-n-butyl phthalate | < 302 | ug/Kg | 8/20/2018 22:01 |
| Di-n-octylphthalate | < 302 | ug/Kg | 8/20/2018 22:01 |
| Fluoranthene | 1760 | ug/Kg | 8/20/2018 22:01 |
| Fluorene | < 302 | ug/Kg | 8/20/2018 22:01 |

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Report Prepared Friday, August 31, 2018



Lab Project ID: 183739

Client: **BE3**

Project Reference: 31 + 150 Tonawanda Street

Sample Identifier: BH-4 (0-1)

Lab Sample ID: 183739-09

Date Sampled: 8/15/2018

Matrix: Soil

Date Received: 8/16/2018

| | | | |
|----------------------------|-------------|-------|-----------------|
| Hexachlorobenzene | < 302 | ug/Kg | 8/20/2018 22:01 |
| Hexachlorobutadiene | < 302 | ug/Kg | 8/20/2018 22:01 |
| Hexachlorocyclopentadiene | < 1210 | ug/Kg | 8/20/2018 22:01 |
| Hexachloroethane | < 302 | ug/Kg | 8/20/2018 22:01 |
| Indeno (1,2,3-cd) pyrene | 736 | ug/Kg | 8/20/2018 22:01 |
| Isophorone | < 302 | ug/Kg | 8/20/2018 22:01 |
| Naphthalene | 1190 | ug/Kg | 8/20/2018 22:01 |
| Nitrobenzene | < 302 | ug/Kg | 8/20/2018 22:01 |
| N-Nitroso-di-n-propylamine | < 302 | ug/Kg | 8/20/2018 22:01 |
| N-Nitrosodiphenylamine | < 302 | ug/Kg | 8/20/2018 22:01 |
| Pentachlorophenol | < 604 | ug/Kg | 8/20/2018 22:01 |
| Phenanthrene | 1230 | ug/Kg | 8/20/2018 22:01 |
| Phenol | < 302 | ug/Kg | 8/20/2018 22:01 |
| Pyrene | 1520 | ug/Kg | 8/20/2018 22:01 |

| Surrogate | Percent Recovery | Limits | Outliers | Date Analyzed |
|----------------------|------------------|-------------|----------|-----------------|
| 2,4,6-Tribromophenol | 46.0 | 35.7 - 94.4 | | 8/20/2018 22:01 |
| 2-Fluorobiphenyl | 47.1 | 35.7 - 85.7 | | 8/20/2018 22:01 |
| 2-Fluorophenol | 37.6 | 39.4 - 78.1 | * | 8/20/2018 22:01 |
| Nitrobenzene-d5 | 37.7 | 36.1 - 74.4 | | 8/20/2018 22:01 |
| Phenol-d5 | 38.6 | 40.6 - 79.3 | * | 8/20/2018 22:01 |
| Terphenyl-d14 | 45.9 | 46.6 - 99.9 | * | 8/20/2018 22:01 |

Method Reference(s): EPA 8270D

EPA 3546

Preparation Date: 8/17/2018

Data File: B30582.D

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Report Prepared Friday, August 31, 2018



Lab Project ID: 183739

Client: **BE3**

Project Reference: 31 + 150 Tonawanda Street

Sample Identifier: BH-4 (0-1)

Lab Sample ID: 183739-09

Matrix: Soil

Date Sampled: 8/15/2018

Date Received: 8/16/2018

Total Cyanide

| <u>Analyte</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|----------------|---------------|--------------|------------------|----------------------|
| Cyanide, Total | < 0.538 | mg/Kg | | 8/30/2018 |

Method Reference(s): EPA 9014
Preparation Date: 8/28/2018

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Friday, August 31, 2018



Lab Project ID: 183739

Client: BE3

Project Reference: 31 + 150 Tonawanda Street

Sample Identifier: BH-1 (6-7')

Lab Sample ID: 183739-01

Date Sampled: 8/15/2018

Matrix: Soil

Date Received: 8/16/2018

Volatile Tentatively Identified Compounds

| <u>Tentatively Identified Compound</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|---|----------------------|---------------------|-------------------------|-----------------------------|
| None Found | < 12.2 | | | 8/27/2018 |
| Total Reported TICS | < 12.2 | | | 8/27/2018 |
| Method Reference(s): | EPA 8260C | | | |
| | EPA 5035A - L | | | |

Tentatively Identified Compound results are estimated values, based on Internal Standard response factors.

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Report Prepared Friday, August 31, 2018



Lab Project ID: 183739

Client: **BE3**

Project Reference: 31 + 150 Tonawanda Street

Sample Identifier: BH-2 (8-10") Native

Lab Sample ID: 183739-02

Date Sampled: 8/15/2018

Matrix: Soil

Date Received: 8/16/2018

Semi-Volatile Tentatively Identified Compounds

| <u>Tentatively Identified Compound</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|--|---------------|--------------|------------------|----------------------|
| Unknown | 1410 | | B | 8/20/2018 |
| Total Reported TICS | 1410 | | | 8/20/2018 |
| Method Reference(s): | EPA 8270D | | | |
| | EPA 3546 | | | |
| Preparation Date: | 8/17/2018 | | | |

Tentatively Identified Compound results are estimated values, based on Internal Standard response factors.

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Report Prepared Friday, August 31, 2018



Lab Project ID: 183739

Client: **BE3**

Project Reference: 31 + 150 Tonawanda Street

Sample Identifier: BH-2 (8-10') Native

Lab Sample ID: 183739-02

Date Sampled: 8/15/2018

Matrix: Soil

Date Received: 8/16/2018

Volatile Tentatively Identified Compounds

| <u>Tentatively Identified Compound</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|---|----------------------|---------------------|-------------------------|-----------------------------|
| None Found | < 10.8 | | | 8/27/2018 |
| Total Reported TICS | < 10.8 | | | 8/27/2018 |

Method Reference(s): EPA 8260C
EPA 5035A - L

Tentatively Identified Compound results are estimated values, based on Internal Standard response factors.

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Report Prepared Friday, August 31, 2018



Lab Project ID: 183739

Client: **BE3**

Project Reference: 31 + 150 Tonawanda Street

Sample Identifier: BH-6 (5.5-8) Native

Lab Sample ID: 183739-03

Date Sampled: 8/15/2018

Matrix: Soil

Date Received: 8/16/2018

Semi-Volatile Tentatively Identified Compounds

| <u>Tentatively Identified Compound</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|--|---------------|--------------|------------------|----------------------|
| Unknown | 1530 | | B | 8/20/2018 |
| Total Reported TICS | 1530 | | | 8/20/2018 |
| Method Reference(s): | EPA 8270D | | | |
| | EPA 3546 | | | |
| Preparation Date: | 8/17/2018 | | | |

Tentatively Identified Compound results are estimated values, based on Internal Standard response factors.

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Friday, August 31, 2018



Lab Project ID: 183739

Client: **BE3**

Project Reference: 31 + 150 Tonawanda Street

Sample Identifier: BH-6 (5.5-8) Native

Lab Sample ID: 183739-03

Date Sampled: 8/15/2018

Matrix: Soil

Date Received: 8/16/2018

Volatile Tentatively Identified Compounds

| <u>Tentatively Identified Compound</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|---|----------------------|---------------------|-------------------------|-----------------------------|
| None Found | < 11.9 | | | 8/27/2018 |
| Total Reported TICS | < 11.9 | | | 8/27/2018 |

Method Reference(s): EPA 8260C
EPA 5035A - L

Tentatively Identified Compound results are estimated values, based on Internal Standard response factors.

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Friday, August 31, 2018



Lab Project ID: 183739

Client: **BE3**

Project Reference: 31 + 150 Tonawanda Street

Sample Identifier: BH-5 (2-4)

Lab Sample ID: 183739-04

Matrix: Soil

Date Sampled: 8/15/2018

Date Received: 8/16/2018

Semi-Volatile Tentatively Identified Compounds

| <u>Tentatively Identified Compound</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|---|----------------------|---------------------|-------------------------|-----------------------------|
| Unknown | 973 | | B | 8/20/2018 |
| Sulfur | 3150 | | | 8/20/2018 |
| Unknown PAH | 791 | | | 8/20/2018 |
| Unknown PAH | 421 | | | 8/20/2018 |
| Unknown PAH | 390 | | | 8/20/2018 |
| Total Reported TICS | 5730 | | | 8/20/2018 |

Method Reference(s): EPA 8270D

EPA 3546

Preparation Date: 8/17/2018

Tentatively Identified Compound results are estimated values, based on Internal Standard response factors.

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Friday, August 31, 2018



Lab Project ID: 183739

Client: BE3

Project Reference: 31 + 150 Tonawanda Street

Sample Identifier: BH-5 (2-4)

Lab Sample ID: 183739-04

Date Sampled: 8/15/2018

Matrix: Soil

Date Received: 8/16/2018

Volatile Tentatively Identified Compounds

| <u>Tentatively Identified Compound</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|---|----------------------|---------------------|-------------------------|-----------------------------|
| None Found | < 12.0 | | | 8/27/2018 |
| Total Reported TICS | < 12.0 | | | 8/27/2018 |
| Method Reference(s): | EPA 8260C | | | |
| | EPA 5035A - L | | | |

Tentatively Identified Compound results are estimated values, based on Internal Standard response factors.

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Report Prepared Friday, August 31, 2018



Lab Project ID: 183739

Client: **BE3**

Project Reference: 31 + 150 Tonawanda Street

Sample Identifier: BH-3 (4-6)

Lab Sample ID: 183739-05

Date Sampled: 8/15/2018

Matrix: Soil

Date Received: 8/16/2018

Semi-Volatile Tentatively Identified Compounds

| <u>Tentatively Identified Compound</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|---|----------------------|---------------------|-------------------------|-----------------------------|
| Unknown | 1370 | | B | 8/20/2018 |
| Unknown PAH | 301 | | | 8/20/2018 |
| Unknown PAH | 440 | | | 8/20/2018 |
| Unknown PAH | 438 | | | 8/20/2018 |
| Unknown | 269 | | | 8/20/2018 |
| Unknown | 502 | | | 8/20/2018 |
| Unknown PAH | 326 | | | 8/20/2018 |
| Unknown Alkane | 396 | | | 8/20/2018 |
| Unknown PAH | 1360 | | | 8/20/2018 |
| Unknown Alkane | 337 | | | 8/20/2018 |
| Unknown PAH | 353 | | | 8/20/2018 |
| Unknown | 308 | | | 8/20/2018 |
| Total Reported TICS | 6400 | | | 8/20/2018 |

Method Reference(s): EPA 8270D

EPA 3546

Preparation Date: 8/17/2018

Tentatively Identified Compound results are estimated values, based on Internal Standard response factors.

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Report Prepared Friday, August 31, 2018



Lab Project ID: 183739

Client: **BE3**

Project Reference: 31 + 150 Tonawanda Street

Sample Identifier: BH-3 (4-6)

Lab Sample ID: 183739-05

Date Sampled: 8/15/2018

Matrix: Soil

Date Received: 8/16/2018

Volatile Tentatively Identified Compounds

| <u>Tentatively Identified Compound</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|---|----------------------|---------------------|-------------------------|-----------------------------|
| None Found | < 11.8 | | | 8/27/2018 |
| Total Reported TICS | < 11.8 | | | 8/27/2018 |

Method Reference(s): EPA 8260C
EPA 5035A - L

Tentatively Identified Compound results are estimated values, based on Internal Standard response factors.

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Report Prepared Friday, August 31, 2018



Lab Project ID: 183739

Client: **BE3**

Project Reference: 31 + 150 Tonawanda Street

Sample Identifier: BH-4 (2.8-4') Native

Lab Sample ID: 183739-06

Date Sampled: 8/15/2018

Matrix: Soil

Date Received: 8/16/2018

Semi-Volatile Tentatively Identified Compounds

| <u>Tentatively Identified Compound</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|---|----------------------|---------------------|-------------------------|-----------------------------|
| Unknown | 1400 | | B | 8/20/2018 |
| Unknown | 1110 | | | 8/20/2018 |
| Unknown Aldehyde | 305 | | | 8/20/2018 |
| Unknown | 459 | | | 8/20/2018 |
| Unknown Alkane | 322 | | | 8/20/2018 |
| Unknown | 352 | | | 8/20/2018 |
| Unknown | 370 | | | 8/20/2018 |
| .Gamma.-Sitosterol | 656 | | | 8/20/2018 |
| Unknown | 359 | | | 8/20/2018 |
| Unknown | 296 | | | 8/20/2018 |
| Total Reported TICS | 5630 | | | 8/20/2018 |

Method Reference(s): EPA 8270D

EPA 3546

Preparation Date: 8/17/2018

Tentatively Identified Compound results are estimated values, based on Internal Standard response factors.

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Friday, August 31, 2018



Lab Project ID: 183739

Client: BE3

Project Reference: 31 + 150 Tonawanda Street

Sample Identifier: BH-4 (2.8-4') Native

Lab Sample ID: 183739-06

Date Sampled: 8/15/2018

Matrix: Soil

Date Received: 8/16/2018

Volatile Tentatively Identified Compounds

| <u>Tentatively Identified Compound</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|---|----------------------|---------------------|-------------------------|-----------------------------|
| None Found | < 11.4 | | | 8/27/2018 |
| Total Reported TICS | < 11.4 | | | 8/27/2018 |
| Method Reference(s): | EPA 8260C | | | |
| | EPA 5035A - L | | | |

Tentatively Identified Compound results are estimated values, based on Internal Standard response factors.

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Friday, August 31, 2018



Lab Project ID: 183739

Client: **BE3**

Project Reference: 31 + 150 Tonawanda Street

Sample Identifier: BH-6 (0-1)

Lab Sample ID: 183739-07

Date Sampled: 8/15/2018

Matrix: Soil

Date Received: 8/16/2018

Semi-Volatile Tentatively Identified Compounds

| <u>Tentatively Identified Compound</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|---|----------------------|---------------------|-------------------------|-----------------------------|
| Unknown | 4750 | | B | 8/20/2018 |
| Unknown PAH | 468 | | | 8/20/2018 |
| Unknown PAH | 635 | | | 8/20/2018 |
| Unknown PAH | 1290 | | | 8/20/2018 |
| Unknown Organic Acid | 538 | | | 8/20/2018 |
| 9,10-Anthracenedione | 966 | | | 8/20/2018 |
| Unknown | 577 | | | 8/20/2018 |
| Unknown PAH | 926 | | | 8/20/2018 |
| N-Methylpyrene | 468 | | | 8/20/2018 |
| Unknown | 635 | | | 8/20/2018 |
| Unknown | 760 | | | 8/20/2018 |
| 7H-Benz[de]anthracen-7-one | 480 | | | 8/20/2018 |
| Unknown PAH | 595 | | | 8/20/2018 |
| Unknown PAH | 658 | | | 8/20/2018 |
| Unknown PAH | 623 | | | 8/20/2018 |
| Unknown PAH | 2060 | | | 8/20/2018 |
| Unknown PAH | 560 | | | 8/20/2018 |
| Unknown PAH | 1090 | | | 8/20/2018 |
| .Gamma.-Sitosterol | 577 | | | 8/20/2018 |
| .Alpha.-Amyrin | 1030 | | | 8/20/2018 |
| Total Reported TICS | 19700 | | | 8/20/2018 |

Method Reference(s): EPA 8270D

EPA 3546

Preparation
Date:

8/17/2018

Tentatively Identified Compound results are estimated values, based on Internal Standard response factors.

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Report Prepared Friday, August 31, 2018



Lab Project ID: 183739

Client: **BE3**

Project Reference: 31 + 150 Tonawanda Street

Sample Identifier: BH-2 (0-1)

Lab Sample ID: 183739-08

Date Sampled: 8/15/2018

Matrix: Soil

Date Received: 8/16/2018

Semi-Volatile Tentatively Identified Compounds

| <u>Tentatively Identified Compound</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|---|----------------------|---------------------|-------------------------|-----------------------------|
| Unknown | 2860 | | B | 8/20/2018 |
| Unknown | 707 | | | 8/20/2018 |
| Unknown | 1360 | | | 8/20/2018 |
| 4H-Cyclopenta[def]phenanthrene | 817 | | | 8/20/2018 |
| Unknown | 719 | | | 8/20/2018 |
| Unknown PAH | 873 | | | 8/20/2018 |
| Unknown PAH | 2180 | | | 8/20/2018 |
| N-Methylpyene | 1010 | | | 8/20/2018 |
| N-Methylpyene | 651 | | | 8/20/2018 |
| Benzo[b]naptho[n,n-d]thiophene | 664 | | | 8/20/2018 |
| Unknown PAH | 996 | | | 8/20/2018 |
| Unknown PAH | 1070 | | | 8/20/2018 |
| Unknown PAH | 780 | | | 8/20/2018 |
| Unknown | 585 | | | 8/20/2018 |
| Unknown PAH | 1370 | | | 8/20/2018 |
| Unknown PAH | 2550 | | | 8/20/2018 |
| Unknown | 1430 | | | 8/20/2018 |
| Unknown PAH | 848 | | | 8/20/2018 |
| Unknown PAH | 811 | | | 8/20/2018 |
| Unknown PAH | 799 | | | 8/20/2018 |
| Total Reported TICS | 23100 | | | 8/20/2018 |

Method Reference(s): EPA 8270D

EPA 3546

Preparation
Date:

8/17/2018

Tentatively Identified Compound results are estimated values, based on Internal Standard response factors.

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Report Prepared Friday, August 31, 2018



Lab Project ID: 183739

Client: **BE3**

Project Reference: 31 + 150 Tonawanda Street

Sample Identifier: BH-4 (0-1)

Lab Sample ID: 183739-09

Date Sampled: 8/15/2018

Matrix: Soil

Date Received: 8/16/2018

Semi-Volatile Tentatively Identified Compounds

| <u>Tentatively Identified Compound</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|---|----------------------|---------------------|-------------------------|-----------------------------|
| Unknown | 1750 | | B | 8/20/2018 |
| N,N,N-Trimethylbenzene | 834 | | | 8/20/2018 |
| N,N,N-Trimethylbenzene | 1080 | | | 8/20/2018 |
| Unknown Benzene | 803 | | | 8/20/2018 |
| Unknown PAH | 1290 | | | 8/20/2018 |
| N,N-Dimethylnaphthalene | 1080 | | | 8/20/2018 |
| N,N-Dimethylnaphthalene | 1690 | | | 8/20/2018 |
| N,N-Dimethylnaphthalene | 984 | | | 8/20/2018 |
| N,N-Dimethylnaphthalene | 840 | | | 8/20/2018 |
| N,N,N-Trimethylnaphthalene | 815 | | | 8/20/2018 |
| N,N,N-Trimethylnaphthalene | 785 | | | 8/20/2018 |
| Unknown Alkane | 1310 | | | 8/20/2018 |
| Unknown PAH | 864 | | | 8/20/2018 |
| Unknown PAH | 834 | | | 8/20/2018 |
| Unknown Alkane | 1490 | | | 8/20/2018 |
| Unknown PAH | 1350 | | | 8/20/2018 |
| Sulfur | 10100 | | | 8/20/2018 |
| Unknown PAH | 785 | | | 8/20/2018 |
| Unknown PAH | 1260 | | | 8/20/2018 |
| Unknown PAH | 749 | | | 8/20/2018 |
| Total Reported TICS | 30700 | | | 8/20/2018 |

Method Reference(s): EPA 8270D

EPA 3546

Preparation
Date:

8/17/2018

Tentatively Identified Compound results are estimated values, based on Internal Standard response factors.

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Report Prepared Friday, August 31, 2018



Analytical Report Appendix

The reported results relate only to the samples as they have been received by the laboratory.

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All soil/sludge samples have been reported on a dry weight basis, unless qualified "reported as received". Other solids are reported as received.

Low level Volatiles blank reports for soil/solid matrix are based on a nominal 5 gram weight. Sample results and reporting limits are based on actual weight, which may be more or less than 5 grams.

The Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt. Sample condition requirements are defined under the 2003 NELAC Standard, sections 5.5.8.3.1 and 5.5.8.3.2.

NYSDOH ELAP does not certify for all parameters. Paradigm Environmental Services or the indicated subcontracted laboratory does hold certification for all analytes where certification is offered by ELAP unless otherwise specified. Aliquots separated for certain tests, such as TCLP, are indicated on the Chain of Custody and final reports with an "A" suffix.

Data qualifiers are used, when necessary, to provide additional information about the data. This information may be communicated as a flag or as text at the bottom of the report. Please refer to the following list of analyte-specific, frequently used data flags and their meaning:

"<" = Analyzed for but not detected at or above the quantitation limit.

"E" = Result has been estimated, calibration limit exceeded.

"Z" = See case narrative.

"D" = Sample, Laboratory Control Sample, or Matrix Spike Duplicate results above Relative Percent Difference limit.

"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.

"B" = Method blank contained trace levels of analyte. Refer to included method blank report.

"J" = Result estimated between the quantitation limit and half the quantitation limit.

"L" = Laboratory Control Sample recovery outside accepted QC limits.

"P" = Concentration differs by more than 40% between the primary and secondary analytical columns.

"NC" = Not calculable. Applicable to RPD if sample or duplicate result is non-detect or estimated (see primary report for data flags). Applicable to MS if sample is greater or equal to ten times the spike added. Applicable to sample surrogates or MS if sample dilution is 10x or higher.

"" = Indicates any recoveries outside associated acceptance windows. Surrogate outliers in samples are presumed matrix effects. LCS demonstrates method compliance unless otherwise noted.*

"(1)" = Indicates data from primary column used for QC calculation.

"A" = denotes a parameter for which ELAP does not offer approval as part of their laboratory certification program.

"F" = denotes a parameter for which Paradigm does not carry certification, the results for which should therefore only be used where ELAP certification is not required, such as personal exposure assessment.

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Report Prepared Thursday, April 26, 2018

GENERAL TERMS AND CONDITIONS

LABORATORY SERVICES

These Terms and Conditions embody the whole agreement of the parties in the absence of a signed and executed contract between the Laboratory (LAB) and Client. They shall supersede all previous communications, representations, or agreements, either verbal or written, between the parties. The LAB specifically rejects all additional, inconsistent, or conflicting terms, whether printed or otherwise set forth in any purchase order or other communication from the Client to the LAB. The invalidity or unenforceability in whole or in part of any provision, term or condition hereof shall not affect in any way the validity or enforceability of the remainder of the Terms and Conditions. No waiver by LAB of any provision, term, or condition hereof or of any breach by or obligation of the Client hereunder shall constitute a waiver of such provision, term, or condition on any other occasion or a waiver of any other breach by or obligation of the Client. This agreement shall be administered and interpreted under the laws of the state which services are procured.

Warranty.

Recognizing that the nature of many samples is unknown and that some may contain potentially hazardous components, LAB warrants only that it will perform testing services, obtain findings, and prepare reports in accordance with generally accepted analytical laboratory principles and practices at the time of performance of services. LAB makes no other warranty, express or implied.

Scope and Compensation.

LAB agrees to perform the services described in the chain of custody to which these terms and conditions are attached. Unless the parties agree in writing to the contrary, the duties of LAB shall not be construed to exceed the services specifically described. LAB will use LAB default method for all tests unless specified otherwise on the Work Order.

Payment terms are net 30 days from the date of invoice. All overdue payments are subject to an interest charge of one and one-half percent (1-1/2%) per month or a portion thereof. Client shall also be responsible for costs of collection, including payment of reasonable attorney fees if such expense is incurred. The prices, unless stated, do not include any sale, use or other taxes. Such taxes will be added to invoice prices when required.

Prices.

Compensation for services performed will be based on the current Lab Analytical Fee Schedule or on quotations agreed to in writing by the parties. Turnaround time based charges are determined from the time of resolution of all work order questions. Testimony, court appearances or data compilation for legal action will be charged separately. Evaluation and reporting of initial screening runs may incur additional fees.

Limitations of Liability.

In the event of any error, omission, or other professional negligence, the sole and exclusive responsibility of LAB shall be to re-perform the deficient work at its own expense and LAB shall have no other liability whatsoever. All claims shall be deemed waived unless made in writing and received by LAB within ninety (90) days following completion of services.

LAB shall have no liability, obligation, or responsibility of any kind for losses, costs, expenses, or other damages (including but not limited to any special, direct, incidental or consequential damages) with respect to LAB's services or results.

All results provided by LAB are strictly for the use of its clients and LAB is in no way responsible for the use of such results by clients or third parties. All reports should be considered in their entirety, and LAB is not responsible for the separation, detachment, or other use of any portion of these reports. Client may not assign the lab report without the written consent of the LAB.

Client covenants and agrees, at its/his/her sole expense, to indemnify, protect, defend, and save harmless the LAB from and against any and all damages, losses, liabilities, obligations, penalties, claims, litigation, demands, defenses, judgments, suits, actions, proceedings, costs, disbursements and/or expenses (including, without limitation attorneys' and experts' fees and disbursements) of any kind whatsoever which may at any time be imposed upon, incurred by or asserted or awarded against client relating to, resulting from or arising out of (a) the breach of this agreement by this client, (b) the negligence of the client in handling, delivering or disclosing any hazardous substance, (c) the violation of the Client of any applicable law, (d) non-compliance by the Client with any environmental permit or (e) a material misrepresentation in disclosing the materials to be tested.

Hazard Disclosure.

Client represents and warrants that any sample delivered to LAB will be preceded or accompanied by complete written disclosure of the presence of any hazardous substances known or suspected by Client. Client further warrants that any sample containing any hazardous substance that is to be delivered to LAB will be packaged, labeled, transported, and delivered properly and in accordance with applicable laws.

Sample Handling.

Prior to LAB's acceptance of any sample (or after any revocation of acceptance), the entire risk of loss or of damage to such sample remains with Client. Samples are accepted when receipt is acknowledged on chain of custody documentation. In no event will LAB have any responsibility for the action or inaction of any carrier shipping or delivering any sample to or from LAB premises.

Client authorizes LAB to proceed with the analysis of samples as received by the laboratory, recognizing that any samples not in compliance with all current DOH-ELAP-NELAP requirements for containers, preservation or holding time will be noted as such on the final report.

Disposal of hazardous waste samples is the responsibility of the Client. If the Client does not wish such samples returned, LAB may add storage and disposal fees to the final invoice. Maximum storage time for samples is 30 days after completion of analysis unless modified by applicable state or federal laws. Client will be required to give the LAB written instructions concerning disposal of these samples.

LAB reserves the absolute right, exercisable at any time, to refuse to receive delivery of, refuse to accept, or revoke acceptance of any sample, which, in the sole judgment of LAB (a) is of unsuitable volume, (b) may be or become unsuitable for or may pose a risk in handling, transport, or processing for any health, safety, environmental or other reason whether or not due to the presence in the sample of any hazardous substance, and whether or not such presence has been disclosed to LAB by Client or (c) if the condition or sample date make the sample unsuitable for analysis.

Legal Responsibility.

LAB is solely responsible for performance of this contract, and no affiliated company, director, officer, employee, or agent shall have any legal responsibility hereunder, whether in contract or tort including negligence.

Assignment.

LAB may assign its performance obligations under this contract to other parties, as it deems necessary. LAB shall disclose to Client any assignee (subcontractor) by ELAP ID # on the submitted final report.

Force Majeure.

LAB shall have no responsibility or liability to the Client for any failure or delay in performance by LAB, which results in whole or in part from any cause or circumstance beyond the reasonable control of LAB. Such causes and circumstances shall include, but not limited to, acts of God, acts or orders of any government authority, strikes or other labor disputes, natural disasters, accidents, wars, civil disturbances, difficulties or delays in transportation, mail or delivery services, inability to obtain sufficient services or supplies from LAB's usual suppliers, or any other cause beyond LAB's reasonable control.

Law.

This contract shall be continued under the laws of the State of New York without regard to its conflicts of laws provision.

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Report Prepared Thursday, April 26, 2018

CHAIN OF CUSTODY

PARADIGM
LABORATORY

REPORT TO:

INVOICE TO:

LAB PROJECT ID

CLIENT: BE3/Paradigm

ADDRESS: 1270 Niagara St

CITY: Buffalo STATE: NY ZIP: 14213

PHONE: 716-249-6880

Quotation #: 183739

Email:

abrennen@b3corp.com

PROJECT REFERENCE

31 +150 Turnaround

ATTN:

Pete Carter

ATTN:

Matrix Codes:

AQ - Aqueous Liquid
NQ - Non-Aqueous Liquid

WA - Water
WG - Groundwater

DW - Drinking Water
WW - Wastewater

SO - Soil
SL - Sludge

SD - Solid
PT - Paint

WP - Wipe
CK - Caulk

OL - Oil
AR - Air

REQUESTED ANALYSIS

375 VOC+TIC
375 SVOC+TIC
375 Metals
375 PCB
375 Pest
T. Cyanide

REMARKS

PARADIGM LAB
SAMPLE
NUMBER

| DATE COLLECTED | TIME COLLECTED | C O M P O S I T E | G R A B | SAMPLE IDENTIFIER | M A C T A O B E I S | N O N U M T B A I S | REQUESTED ANALYSIS | REMARKS | PARADIGM LAB SAMPLE NUMBER |
|----------------|----------------|-------------------|---------|----------------------|---------------------|---------------------|--------------------|---------|----------------------------------|
| 8/15/18 | 1115 | X | X | BH-2 (6-7') | 30 | 2 | X X X X X | | 01 |
| | 1228 | X | X | BH-2 (8-10') Native | | 2 | X X X X X | | 02 |
| | 1520 | X | X | BH-6 (5.5-8') Native | | 2 | X X X X X | | 03 |
| | 1445 | X | X | BH-5 (2-4') | | 2 | X X X X X | | 04 |
| | 1330 | X | X | BH-3 (4-6') | | 2 | X X X X X | | 05 |
| | 1410 | X | X | BH-4 (2.8-4') Native | | 2 | X X X X X | | 06 |
| | 1520 | X | X | BH-6 (10-12') | | 2 | X X X X X | | 07 |
| | 1225 | X | X | BH-2 (10-12') | | 2 | X X X X X | | 08 |
| | 1410 | X | X | BH-4 (10-12') | | 2 | X X X X X | | 09 |

Turnaround Time

Report Supplements

Availability contingent upon lab approval; additional fees may apply.

Standard 5 day

☐

None Required

None Required

☐

10 day

☒

Batch QC

Basic EDD

☐

Rush 3 day

☐

Category A

NYSDEC EDD

☒

Rush 2 day

☐

Category B

☒

Rush 1 day

☐

Other

☐

Other

Other EDD

☐

please indicate date needed:

please indicate package needed:

please indicate EDD needed:

Sampled By

Alex Brennen

Date/Time

08/15/18

Total Cost:

Relinquished By

[Signature]

Date/Time

08/15/18 1630

Received By

[Signature]

Date/Time

08/15/18 1630

P.L.F.

Received @ Lab By

[Signature]

Date/Time

8/16/18 1352

By signing this form, client agrees to Paradigm Terms and Conditions (reverse).

See additional page for sample conditions.

1082



Chain of Custody Supplement

Client: BE3 Completed by: M. G. Hail
 Lab Project ID: 183739 Date: 8/16/18

Sample Condition Requirements

Per NELAC/ELAP 210/241/242/243/244

| Condition | NELAC compliance with the sample condition requirements upon receipt | | |
|--|--|---|--|
| | Yes | No | N/A |
| Container Type | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> <u>5839</u> | <input type="checkbox"/> |
| Comments | | | |
| Transferred to method-compliant container | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Headspace (<1 mL) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Comments | | | |
| Preservation | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Comments | | | |
| Chlorine Absent (<0.10 ppm per test strip) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Comments | | | |
| Holding Time | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Comments | | | |
| Temperature | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> <u>met</u> |
| Comments | <u>6°C in 8/16/18 1341</u> | | |
| Sufficient Sample Quantity | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Comments | | | |



Lab Project ID: 184392

Client: **BE3**

Project Reference: 31+150 Tonawanda St

Sample Identifier: 150-MW-4

Lab Sample ID: 184392-01

Matrix: Groundwater

Date Sampled: 9/21/2018

Date Received: 9/24/2018

Part 375 Metals (ICP)

| Analyte | Result | Units | Qualifier | Date Analyzed |
|----------------|---------------|--------------|------------------|----------------------|
| Arsenic | < 0.0100 | mg/L | | 9/26/2018 16:26 |
| Barium | < 0.100 | mg/L | | 9/26/2018 16:26 |
| Beryllium | < 0.00500 | mg/L | | 9/26/2018 16:26 |
| Cadmium | < 0.00500 | mg/L | | 9/26/2018 16:26 |
| Chromium | < 0.0100 | mg/L | | 9/26/2018 16:26 |
| Copper | 0.0168 | mg/L | J | 10/5/2018 15:56 |
| Lead | < 0.0100 | mg/L | | 9/26/2018 16:26 |
| Manganese | 1.40 | mg/L | | 9/26/2018 16:26 |
| Nickel | 0.0566 | mg/L | | 9/26/2018 16:26 |
| Selenium | < 0.0200 | mg/L | | 9/26/2018 16:26 |
| Silver | < 0.0100 | mg/L | | 9/26/2018 16:26 |
| Zinc | 0.0993 | mg/L | | 9/26/2018 16:26 |

Method Reference(s): EPA 6010C
EPA 3005A
Preparation Date: 9/25/2018
Data File: 180926B

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Report Prepared Monday, October 8, 2018



Lab Project ID: 184392

Client: **BE3**

Project Reference: 31+150 Tonawanda St

Sample Identifier: 150-MW-4

Lab Sample ID: 184392-01

Date Sampled: 9/21/2018

Matrix: Groundwater

Date Received: 9/24/2018

Mercury

| <u>Analyte</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|----------------|---------------|--------------|------------------|----------------------|
| Mercury | < 0.000200 | mg/L | | 9/26/2018 09:53 |

Method Reference(s): EPA 7470A
Preparation Date: 9/25/2018
Data File: Hg180926A

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Monday, October 8, 2018



Lab Project ID: 184392

Client: **BE3**

Project Reference: 31+150 Tonawanda St

Sample Identifier: 150-MW-4

Lab Sample ID: 184392-01

Matrix: Groundwater

Date Sampled: 9/21/2018

Date Received: 9/24/2018

PCBs

| <u>Analyte</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|-----------------------|----------------------|---------------------|-------------------------|-----------------------------|
| PCB-1016 | < 0.100 | ug/L | | 9/28/2018 00:30 |
| PCB-1221 | < 0.100 | ug/L | | 9/28/2018 00:30 |
| PCB-1232 | < 0.100 | ug/L | | 9/28/2018 00:30 |
| PCB-1242 | < 0.100 | ug/L | | 9/28/2018 00:30 |
| PCB-1248 | < 0.100 | ug/L | | 9/28/2018 00:30 |
| PCB-1254 | < 0.100 | ug/L | | 9/28/2018 00:30 |
| PCB-1260 | < 0.100 | ug/L | | 9/28/2018 00:30 |
| PCB-1262 | < 0.100 | ug/L | | 9/28/2018 00:30 |
| PCB-1268 | < 0.100 | ug/L | | 9/28/2018 00:30 |

| <u>Surrogate</u> | <u>Percent Recovery</u> | <u>Limits</u> | <u>Outliers</u> | <u>Date Analyzed</u> |
|-------------------------|--------------------------------|----------------------|------------------------|-----------------------------|
| Decachlorobiphenyl | 85.7 | 10 - 103 | | 9/28/2018 00:30 |
| Tetrachloro-m-xylene | 49.1 | 10 - 84.8 | | 9/28/2018 00:30 |

Method Reference(s): EPA 8082A

EPA 3510C

Preparation Date: 9/25/2018

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Report Prepared Monday, October 8, 2018



Lab Project ID: 184392

Client: **BE3**

Project Reference: 31+150 Tonawanda St

Sample Identifier: 150-MW-4

Lab Sample ID: 184392-01

Date Sampled: 9/21/2018

Matrix: Groundwater

Date Received: 9/24/2018

Chlorinated Pesticides

| Analyte | Result | Units | Qualifier | Date Analyzed |
|---------------------|---------------|-------|-----------|-----------------|
| 4,4-DDD | < 0.100 | ug/L | | 9/26/2018 15:24 |
| 4,4-DDE | < 0.100 | ug/L | | 9/26/2018 15:24 |
| 4,4-DDT | < 0.100 | ug/L | | 9/26/2018 15:24 |
| Aldrin | 0.127 | ug/L | | 9/26/2018 15:24 |
| alpha-BHC | 0.111 | ug/L | | 9/26/2018 15:24 |
| beta-BHC | 0.0765 | ug/L | JP | 9/26/2018 15:24 |
| cis-Chlordane | < 0.100 | ug/L | | 9/26/2018 15:24 |
| delta-BHC | < 0.100 | ug/L | | 9/26/2018 15:24 |
| Dieldrin | < 0.100 | ug/L | | 9/26/2018 15:24 |
| Endosulfan I | < 0.100 | ug/L | | 9/26/2018 15:24 |
| Endosulfan II | < 0.100 | ug/L | | 9/26/2018 15:24 |
| Endosulfan Sulfate | < 0.100 | ug/L | | 9/26/2018 15:24 |
| Endrin | 0.172 | ug/L | | 9/26/2018 15:24 |
| Endrin Aldehyde | < 0.100 | ug/L | | 9/26/2018 15:24 |
| Endrin Ketone | < 0.100 | ug/L | | 9/26/2018 15:24 |
| gamma-BHC (Lindane) | < 0.100 | ug/L | | 9/26/2018 15:24 |
| Heptachlor | 0.141 | ug/L | P | 9/26/2018 15:24 |
| Heptachlor Epoxide | 0.110 | ug/L | P | 9/26/2018 15:24 |
| Methoxychlor | < 0.100 | ug/L | | 9/26/2018 15:24 |
| Toxaphene | < 1.00 | ug/L | | 9/26/2018 15:24 |
| trans-Chlordane | < 0.100 | ug/L | | 9/26/2018 15:24 |

| Surrogate | Percent Recovery | Limits | Outliers | Date Analyzed |
|--------------------------|------------------|------------|----------|-----------------|
| Decachlorobiphenyl (1) | 94.3 | 23.1 - 153 | | 9/26/2018 15:24 |
| Tetrachloro-m-xylene (1) | 122 | 35.1 - 106 | * | 9/26/2018 15:24 |

Method Reference(s): EPA 8081B

EPA 3510C

Preparation Date: 9/26/2018

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Report Prepared Monday, October 8, 2018



Lab Project ID: 184392

Client: **BE3**

Project Reference: 31+150 Tonawanda St

Sample Identifier: 150-MW-4

Lab Sample ID: 184392-01

Matrix: Groundwater

Date Sampled: 9/21/2018

Date Received: 9/24/2018

Semi-Volatile Organics (Acid/Base Neutrals)

| Analyte | Result | Units | Qualifier | Date Analyzed |
|------------------------------|--------|-------|-----------|-----------------|
| 1,1-Biphenyl | < 10.0 | ug/L | | 10/2/2018 00:22 |
| 1,2,4,5-Tetrachlorobenzene | < 10.0 | ug/L | | 10/2/2018 00:22 |
| 1,2,4-Trichlorobenzene | < 10.0 | ug/L | | 10/2/2018 00:22 |
| 1,2-Dichlorobenzene | < 10.0 | ug/L | | 10/2/2018 00:22 |
| 1,3-Dichlorobenzene | < 10.0 | ug/L | | 10/2/2018 00:22 |
| 1,4-Dichlorobenzene | < 10.0 | ug/L | | 10/2/2018 00:22 |
| 2,2-Oxybis (1-chloropropane) | < 10.0 | ug/L | | 10/2/2018 00:22 |
| 2,3,4,6-Tetrachlorophenol | < 10.0 | ug/L | | 10/2/2018 00:22 |
| 2,4,5-Trichlorophenol | < 10.0 | ug/L | | 10/2/2018 00:22 |
| 2,4,6-Trichlorophenol | < 20.0 | ug/L | | 10/2/2018 00:22 |
| 2,4-Dichlorophenol | < 10.0 | ug/L | | 10/2/2018 00:22 |
| 2,4-Dimethylphenol | < 10.0 | ug/L | | 10/2/2018 00:22 |
| 2,4-Dinitrophenol | < 20.0 | ug/L | | 10/2/2018 00:22 |
| 2,4-Dinitrotoluene | < 10.0 | ug/L | | 10/2/2018 00:22 |
| 2,6-Dinitrotoluene | < 10.0 | ug/L | | 10/2/2018 00:22 |
| 2-Chloronaphthalene | < 10.0 | ug/L | | 10/2/2018 00:22 |
| 2-Chlorophenol | < 10.0 | ug/L | | 10/2/2018 00:22 |
| 2-Methylnapthalene | < 10.0 | ug/L | | 10/2/2018 00:22 |
| 2-Methylphenol | < 10.0 | ug/L | | 10/2/2018 00:22 |
| 2-Nitroaniline | < 20.0 | ug/L | | 10/2/2018 00:22 |
| 2-Nitrophenol | < 10.0 | ug/L | | 10/2/2018 00:22 |
| 3&4-Methylphenol | < 10.0 | ug/L | | 10/2/2018 00:22 |
| 3,3'-Dichlorobenzidine | < 10.0 | ug/L | | 10/2/2018 00:22 |
| 3-Nitroaniline | < 20.0 | ug/L | | 10/2/2018 00:22 |
| 4,6-Dinitro-2-methylphenol | < 20.0 | ug/L | | 10/2/2018 00:22 |
| 4-Bromophenyl phenyl ether | < 10.0 | ug/L | | 10/2/2018 00:22 |
| 4-Chloro-3-methylphenol | < 10.0 | ug/L | | 10/2/2018 00:22 |

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Report Prepared Monday, October 8, 2018



Lab Project ID: 184392

Client: **BE3**

Project Reference: 31+150 Tonawanda St

Sample Identifier: 150-MW-4

Lab Sample ID: 184392-01

Date Sampled: 9/21/2018

Matrix: Groundwater

Date Received: 9/24/2018

| | | | |
|------------------------------|--------|------|-----------------|
| 4-Chloroaniline | < 10.0 | ug/L | 10/2/2018 00:22 |
| 4-Chlorophenyl phenyl ether | < 10.0 | ug/L | 10/2/2018 00:22 |
| 4-Nitroaniline | < 20.0 | ug/L | 10/2/2018 00:22 |
| 4-Nitrophenol | < 20.0 | ug/L | 10/2/2018 00:22 |
| Acenaphthene | < 10.0 | ug/L | 10/2/2018 00:22 |
| Acenaphthylene | < 10.0 | ug/L | 10/2/2018 00:22 |
| Acetophenone | < 10.0 | ug/L | 10/2/2018 00:22 |
| Anthracene | < 10.0 | ug/L | 10/2/2018 00:22 |
| Atrazine | < 10.0 | ug/L | 10/2/2018 00:22 |
| Benzaldehyde | < 10.0 | ug/L | 10/2/2018 00:22 |
| Benzo (a) anthracene | < 10.0 | ug/L | 10/2/2018 00:22 |
| Benzo (a) pyrene | < 10.0 | ug/L | 10/2/2018 00:22 |
| Benzo (b) fluoranthene | < 10.0 | ug/L | 10/2/2018 00:22 |
| Benzo (g,h,i) perylene | < 10.0 | ug/L | 10/2/2018 00:22 |
| Benzo (k) fluoranthene | < 10.0 | ug/L | 10/2/2018 00:22 |
| Bis (2-chloroethoxy) methane | < 10.0 | ug/L | 10/2/2018 00:22 |
| Bis (2-chloroethyl) ether | < 10.0 | ug/L | 10/2/2018 00:22 |
| Bis (2-ethylhexyl) phthalate | < 10.0 | ug/L | 10/2/2018 00:22 |
| Butylbenzylphthalate | < 10.0 | ug/L | 10/2/2018 00:22 |
| Caprolactam | < 10.0 | ug/L | 10/2/2018 00:22 |
| Carbazole | < 10.0 | ug/L | 10/2/2018 00:22 |
| Chrysene | < 10.0 | ug/L | 10/2/2018 00:22 |
| Dibenz (a,h) anthracene | < 10.0 | ug/L | 10/2/2018 00:22 |
| Dibenzofuran | < 10.0 | ug/L | 10/2/2018 00:22 |
| Diethyl phthalate | < 10.0 | ug/L | 10/2/2018 00:22 |
| Dimethyl phthalate | < 20.0 | ug/L | 10/2/2018 00:22 |
| Di-n-butyl phthalate | < 10.0 | ug/L | 10/2/2018 00:22 |
| Di-n-octylphthalate | < 10.0 | ug/L | 10/2/2018 00:22 |
| Fluoranthene | < 10.0 | ug/L | 10/2/2018 00:22 |
| Fluorene | < 10.0 | ug/L | 10/2/2018 00:22 |

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Report Prepared Monday, October 8, 2018



Lab Project ID: 184392

Client: **BE3**

Project Reference: 31+150 Tonawanda St

Sample Identifier: 150-MW-4

Lab Sample ID: 184392-01

Date Sampled: 9/21/2018

Matrix: Groundwater

Date Received: 9/24/2018

| | | | | |
|----------------------------|--------|------|-----------|-------|
| Hexachlorobenzene | < 10.0 | ug/L | 10/2/2018 | 00:22 |
| Hexachlorobutadiene | < 10.0 | ug/L | 10/2/2018 | 00:22 |
| Hexachlorocyclopentadiene | < 10.0 | ug/L | 10/2/2018 | 00:22 |
| Hexachloroethane | < 10.0 | ug/L | 10/2/2018 | 00:22 |
| Indeno (1,2,3-cd) pyrene | < 10.0 | ug/L | 10/2/2018 | 00:22 |
| Isophorone | < 10.0 | ug/L | 10/2/2018 | 00:22 |
| Naphthalene | < 10.0 | ug/L | 10/2/2018 | 00:22 |
| Nitrobenzene | < 10.0 | ug/L | 10/2/2018 | 00:22 |
| N-Nitroso-di-n-propylamine | < 10.0 | ug/L | 10/2/2018 | 00:22 |
| N-Nitrosodiphenylamine | < 10.0 | ug/L | 10/2/2018 | 00:22 |
| Pentachlorophenol | < 20.0 | ug/L | 10/2/2018 | 00:22 |
| Phenanthrene | < 10.0 | ug/L | 10/2/2018 | 00:22 |
| Phenol | < 10.0 | ug/L | 10/2/2018 | 00:22 |
| Pyrene | < 10.0 | ug/L | 10/2/2018 | 00:22 |

| Surrogate | Percent Recovery | Limits | Outliers | Date Analyzed |
|----------------------|------------------|-------------|----------|-----------------|
| 2,4,6-Tribromophenol | 88.0 | 48.7 - 113 | | 10/2/2018 00:22 |
| 2-Fluorobiphenyl | 43.1 | 28.7 - 98.8 | | 10/2/2018 00:22 |
| 2-Fluorophenol | 38.4 | 10.5 - 105 | | 10/2/2018 00:22 |
| Nitrobenzene-d5 | 64.8 | 47.4 - 94.5 | | 10/2/2018 00:22 |
| Phenol-d5 | 27.9 | 10 - 101 | | 10/2/2018 00:22 |
| Terphenyl-d14 | 73.2 | 56.7 - 107 | | 10/2/2018 00:22 |

Method Reference(s): EPA 8270D
EPA 3510C
Preparation Date: 9/25/2018
Data File: B32112.D

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Report Prepared Monday, October 8, 2018



Lab Project ID: 184392

Client: **BE3**

Project Reference: 31+150 Tonawanda St

Sample Identifier: 150-MW-4

Lab Sample ID: 184392-01

Matrix: Groundwater

Date Sampled: 9/21/2018

Date Received: 9/24/2018

Volatile Organics

| Analyte | Result | Units | Qualifier | Date Analyzed |
|-----------------------------|-------------|-------|-----------|-----------------|
| 1,1,1-Trichloroethane | < 2.00 | ug/L | | 9/28/2018 17:58 |
| 1,1,2,2-Tetrachloroethane | < 2.00 | ug/L | | 9/28/2018 17:58 |
| 1,1,2-Trichloroethane | < 2.00 | ug/L | | 9/28/2018 17:58 |
| 1,1-Dichloroethane | < 2.00 | ug/L | | 9/28/2018 17:58 |
| 1,1-Dichloroethene | < 2.00 | ug/L | | 9/28/2018 17:58 |
| 1,2,3-Trichlorobenzene | < 5.00 | ug/L | | 9/28/2018 17:58 |
| 1,2,4-Trichlorobenzene | < 5.00 | ug/L | | 9/28/2018 17:58 |
| 1,2,4-Trimethylbenzene | < 2.00 | ug/L | | 9/28/2018 17:58 |
| 1,2-Dibromo-3-Chloropropane | < 10.0 | ug/L | | 9/28/2018 17:58 |
| 1,2-Dibromoethane | < 2.00 | ug/L | | 9/28/2018 17:58 |
| 1,2-Dichlorobenzene | < 2.00 | ug/L | | 9/28/2018 17:58 |
| 1,2-Dichloroethane | < 2.00 | ug/L | | 9/28/2018 17:58 |
| 1,2-Dichloropropane | < 2.00 | ug/L | | 9/28/2018 17:58 |
| 1,3,5-Trimethylbenzene | < 2.00 | ug/L | | 9/28/2018 17:58 |
| 1,3-Dichlorobenzene | < 2.00 | ug/L | | 9/28/2018 17:58 |
| 1,4-Dichlorobenzene | < 2.00 | ug/L | | 9/28/2018 17:58 |
| 1,4-Dioxane | < 20.0 | ug/L | | 9/28/2018 17:58 |
| 2-Butanone | < 10.0 | ug/L | | 9/28/2018 17:58 |
| 2-Hexanone | < 5.00 | ug/L | | 9/28/2018 17:58 |
| 4-Methyl-2-pentanone | < 5.00 | ug/L | | 9/28/2018 17:58 |
| Acetone | 6.46 | ug/L | J | 9/28/2018 17:58 |
| Benzene | < 1.00 | ug/L | | 9/28/2018 17:58 |
| Bromochloromethane | < 5.00 | ug/L | | 9/28/2018 17:58 |
| Bromodichloromethane | < 2.00 | ug/L | | 9/28/2018 17:58 |
| Bromoform | < 5.00 | ug/L | | 9/28/2018 17:58 |
| Bromomethane | < 2.00 | ug/L | | 9/28/2018 17:58 |
| Carbon disulfide | 2.68 | ug/L | | 9/28/2018 17:58 |

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Report Prepared Monday, October 8, 2018



Lab Project ID: 184392

Client: **BE3**

Project Reference: 31+150 Tonawanda St

Sample Identifier: 150-MW-4

Lab Sample ID: 184392-01

Date Sampled: 9/21/2018

Matrix: Groundwater

Date Received: 9/24/2018

| | | | | |
|---------------------------|--------|------|-----------|-------|
| Carbon Tetrachloride | < 2.00 | ug/L | 9/28/2018 | 17:58 |
| Chlorobenzene | < 2.00 | ug/L | 9/28/2018 | 17:58 |
| Chloroethane | < 2.00 | ug/L | 9/28/2018 | 17:58 |
| Chloroform | < 2.00 | ug/L | 9/28/2018 | 17:58 |
| Chloromethane | < 2.00 | ug/L | 9/28/2018 | 17:58 |
| cis-1,2-Dichloroethene | < 2.00 | ug/L | 9/28/2018 | 17:58 |
| cis-1,3-Dichloropropene | < 2.00 | ug/L | 9/28/2018 | 17:58 |
| Cyclohexane | < 10.0 | ug/L | 9/28/2018 | 17:58 |
| Dibromochloromethane | < 2.00 | ug/L | 9/28/2018 | 17:58 |
| Dichlorodifluoromethane | < 2.00 | ug/L | 9/28/2018 | 17:58 |
| Ethylbenzene | < 2.00 | ug/L | 9/28/2018 | 17:58 |
| Freon 113 | < 2.00 | ug/L | 9/28/2018 | 17:58 |
| Isopropylbenzene | < 2.00 | ug/L | 9/28/2018 | 17:58 |
| m,p-Xylene | < 2.00 | ug/L | 9/28/2018 | 17:58 |
| Methyl acetate | < 2.00 | ug/L | 9/28/2018 | 17:58 |
| Methyl tert-butyl Ether | < 2.00 | ug/L | 9/28/2018 | 17:58 |
| Methylcyclohexane | < 2.00 | ug/L | 9/28/2018 | 17:58 |
| Methylene chloride | < 5.00 | ug/L | 9/28/2018 | 17:58 |
| Naphthalene | < 5.00 | ug/L | 9/28/2018 | 17:58 |
| n-Butylbenzene | < 2.00 | ug/L | 9/28/2018 | 17:58 |
| n-Propylbenzene | < 2.00 | ug/L | 9/28/2018 | 17:58 |
| o-Xylene | < 2.00 | ug/L | 9/28/2018 | 17:58 |
| p-Isopropyltoluene | < 2.00 | ug/L | 9/28/2018 | 17:58 |
| sec-Butylbenzene | < 2.00 | ug/L | 9/28/2018 | 17:58 |
| Styrene | < 5.00 | ug/L | 9/28/2018 | 17:58 |
| tert-Butylbenzene | < 2.00 | ug/L | 9/28/2018 | 17:58 |
| Tetrachloroethene | < 2.00 | ug/L | 9/28/2018 | 17:58 |
| Toluene | < 2.00 | ug/L | 9/28/2018 | 17:58 |
| trans-1,2-Dichloroethene | < 2.00 | ug/L | 9/28/2018 | 17:58 |
| trans-1,3-Dichloropropene | < 2.00 | ug/L | 9/28/2018 | 17:58 |

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Lab Project ID: 184392

Client: **BE3**

Project Reference: 31+150 Tonawanda St

Sample Identifier: 150-MW-4

Lab Sample ID: 184392-01

Date Sampled: 9/21/2018

Matrix: Groundwater

Date Received: 9/24/2018

| | | | |
|------------------------|--------|------|-----------------|
| Trichloroethene | < 2.00 | ug/L | 9/28/2018 17:58 |
| Trichlorofluoromethane | < 2.00 | ug/L | 9/28/2018 17:58 |
| Vinyl chloride | < 2.00 | ug/L | 9/28/2018 17:58 |

| Surrogate | Percent Recovery | Limits | Outliers | Date Analyzed |
|-----------------------|-------------------------|---------------|-----------------|----------------------|
| 1,2-Dichloroethane-d4 | 104 | 80.7 - 121 | | 9/28/2018 17:58 |
| 4-Bromofluorobenzene | 84.4 | 74.3 - 121 | | 9/28/2018 17:58 |
| Pentafluorobenzene | 92.0 | 86.2 - 111 | | 9/28/2018 17:58 |
| Toluene-D8 | 91.1 | 86.2 - 112 | | 9/28/2018 17:58 |

Method Reference(s): EPA 8260C

EPA 5030C

Data File: x54642.D

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Report Prepared Monday, October 8, 2018



Lab Project ID: 184392

Client: **BE3**

Project Reference: 31+150 Tonawanda St

Sample Identifier: 150-MW-4

Lab Sample ID: 184392-01

Matrix: Groundwater

Date Sampled: 9/21/2018

Date Received: 9/24/2018

Total Cyanide

| <u>Analyte</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|----------------------|----------------|--------------|------------------|----------------------|
| Cyanide, Total | < 0.0100 | mg/L | | 9/25/2018 |
| Method Reference(s): | SM22 4500 CN E | | | |
| Preparation Date: | 9/25/2018 | | | |

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Report Prepared Monday, October 8, 2018



Lab Project ID: 184392

Client: **BE3**

Project Reference: 31+150 Tonawanda St

Sample Identifier: 150-MW-1

Lab Sample ID: 184392-02

Matrix: Groundwater

Date Sampled: 9/21/2018

Date Received: 9/24/2018

Part 375 Metals (ICP)

| Analyte | Result | Units | Qualifier | Date Analyzed |
|----------------|---------------|--------------|------------------|----------------------|
| Arsenic | < 0.0100 | mg/L | | 9/26/2018 16:31 |
| Barium | < 0.100 | mg/L | | 9/26/2018 16:31 |
| Beryllium | < 0.00500 | mg/L | | 9/26/2018 16:31 |
| Cadmium | < 0.00500 | mg/L | | 9/26/2018 16:31 |
| Chromium | < 0.0100 | mg/L | | 9/26/2018 16:31 |
| Copper | 0.0148 | mg/L | J | 10/5/2018 16:01 |
| Lead | < 0.0100 | mg/L | | 9/26/2018 16:31 |
| Manganese | 0.196 | mg/L | | 9/26/2018 16:31 |
| Nickel | < 0.0400 | mg/L | | 9/26/2018 16:31 |
| Selenium | < 0.0200 | mg/L | | 9/26/2018 16:31 |
| Silver | < 0.0100 | mg/L | | 9/26/2018 16:31 |
| Zinc | < 0.0600 | mg/L | | 9/26/2018 16:31 |

Method Reference(s): EPA 6010C
EPA 3005A
Preparation Date: 9/25/2018
Data File: 180926B

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Report Prepared Monday, October 8, 2018



Lab Project ID: 184392

Client: **BE3**

Project Reference: 31+150 Tonawanda St

Sample Identifier: 150-MW-1

Lab Sample ID: 184392-02

Date Sampled: 9/21/2018

Matrix: Groundwater

Date Received: 9/24/2018

Mercury

| <u>Analyte</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|----------------|---------------|--------------|------------------|----------------------|
| Mercury | < 0.000200 | mg/L | | 9/26/2018 09:56 |

Method Reference(s): EPA 7470A
Preparation Date: 9/25/2018
Data File: Hg180926A

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Monday, October 8, 2018



Lab Project ID: 184392

Client: **BE3**

Project Reference: 31+150 Tonawanda St

Sample Identifier: 150-MW-1

Lab Sample ID: 184392-02

Date Sampled: 9/21/2018

Matrix: Groundwater

Date Received: 9/24/2018

PCBs

| <u>Analyte</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|-----------------------|----------------------|---------------------|-------------------------|-----------------------------|
| PCB-1016 | < 0.100 | ug/L | | 9/28/2018 00:53 |
| PCB-1221 | < 0.100 | ug/L | | 9/28/2018 00:53 |
| PCB-1232 | < 0.100 | ug/L | | 9/28/2018 00:53 |
| PCB-1242 | < 0.100 | ug/L | | 9/28/2018 00:53 |
| PCB-1248 | < 0.100 | ug/L | | 9/28/2018 00:53 |
| PCB-1254 | < 0.100 | ug/L | | 9/28/2018 00:53 |
| PCB-1260 | < 0.100 | ug/L | | 9/28/2018 00:53 |
| PCB-1262 | < 0.100 | ug/L | | 9/28/2018 00:53 |
| PCB-1268 | < 0.100 | ug/L | | 9/28/2018 00:53 |

| <u>Surrogate</u> | <u>Percent Recovery</u> | <u>Limits</u> | <u>Outliers</u> | <u>Date Analyzed</u> |
|-------------------------|--------------------------------|----------------------|------------------------|-----------------------------|
| Decachlorobiphenyl | 69.2 | 10 - 103 | | 9/28/2018 00:53 |
| Tetrachloro-m-xylene | 48.1 | 10 - 84.8 | | 9/28/2018 00:53 |

Method Reference(s): EPA 8082A

EPA 3510C

Preparation Date: 9/25/2018

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Report Prepared Monday, October 8, 2018



Lab Project ID: 184392

Client: **BE3**

Project Reference: 31+150 Tonawanda St

Sample Identifier: 150-MW-1

Lab Sample ID: 184392-02

Matrix: Groundwater

Date Sampled: 9/21/2018

Date Received: 9/24/2018

Chlorinated Pesticides

| Analyte | Result | Units | Qualifier | Date Analyzed |
|---------------------|---------------|-------|-----------|-----------------|
| 4,4-DDD | < 0.100 | ug/L | | 9/26/2018 15:39 |
| 4,4-DDE | < 0.100 | ug/L | | 9/26/2018 15:39 |
| 4,4-DDT | < 0.100 | ug/L | | 9/26/2018 15:39 |
| Aldrin | 0.0561 | ug/L | JP | 9/26/2018 15:39 |
| alpha-BHC | < 0.100 | ug/L | | 9/26/2018 15:39 |
| beta-BHC | < 0.100 | ug/L | | 9/26/2018 15:39 |
| cis-Chlordane | < 0.100 | ug/L | | 9/26/2018 15:39 |
| delta-BHC | < 0.100 | ug/L | | 9/26/2018 15:39 |
| Dieldrin | < 0.100 | ug/L | | 9/26/2018 15:39 |
| Endosulfan I | < 0.100 | ug/L | | 9/26/2018 15:39 |
| Endosulfan II | < 0.100 | ug/L | | 9/26/2018 15:39 |
| Endosulfan Sulfate | < 0.100 | ug/L | | 9/26/2018 15:39 |
| Endrin | 0.108 | ug/L | P | 9/26/2018 15:39 |
| Endrin Aldehyde | < 0.100 | ug/L | | 9/26/2018 15:39 |
| Endrin Ketone | < 0.100 | ug/L | | 9/26/2018 15:39 |
| gamma-BHC (Lindane) | < 0.100 | ug/L | | 9/26/2018 15:39 |
| Heptachlor | < 0.100 | ug/L | | 9/26/2018 15:39 |
| Heptachlor Epoxide | 0.178 | ug/L | P | 9/26/2018 15:39 |
| Methoxychlor | < 0.100 | ug/L | | 9/26/2018 15:39 |
| Toxaphene | < 1.00 | ug/L | | 9/26/2018 15:39 |
| trans-Chlordane | 0.0558 | ug/L | J | 9/26/2018 15:39 |

| Surrogate | Percent Recovery | Limits | Outliers | Date Analyzed |
|--------------------------|------------------|------------|----------|-----------------|
| Decachlorobiphenyl (1) | 93.7 | 23.1 - 153 | | 9/26/2018 15:39 |
| Tetrachloro-m-xylene (1) | 100 | 35.1 - 106 | | 9/26/2018 15:39 |

Method Reference(s): EPA 8081B

EPA 3510C

Preparation Date: 9/26/2018

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Report Prepared Monday, October 8, 2018



Lab Project ID: 184392

Client: **BE3**

Project Reference: 31+150 Tonawanda St

Sample Identifier: 150-MW-1

Lab Sample ID: 184392-02

Matrix: Groundwater

Date Sampled: 9/21/2018

Date Received: 9/24/2018

Semi-Volatile Organics (Acid/Base Neutrals)

| Analyte | Result | Units | Qualifier | Date Analyzed |
|------------------------------|--------|-------|-----------|-----------------|
| 1,1-Biphenyl | < 10.0 | ug/L | | 10/2/2018 00:52 |
| 1,2,4,5-Tetrachlorobenzene | < 10.0 | ug/L | | 10/2/2018 00:52 |
| 1,2,4-Trichlorobenzene | < 10.0 | ug/L | | 10/2/2018 00:52 |
| 1,2-Dichlorobenzene | < 10.0 | ug/L | | 10/2/2018 00:52 |
| 1,3-Dichlorobenzene | < 10.0 | ug/L | | 10/2/2018 00:52 |
| 1,4-Dichlorobenzene | < 10.0 | ug/L | | 10/2/2018 00:52 |
| 2,2-Oxybis (1-chloropropane) | < 10.0 | ug/L | | 10/2/2018 00:52 |
| 2,3,4,6-Tetrachlorophenol | < 10.0 | ug/L | | 10/2/2018 00:52 |
| 2,4,5-Trichlorophenol | < 10.0 | ug/L | | 10/2/2018 00:52 |
| 2,4,6-Trichlorophenol | < 20.0 | ug/L | | 10/2/2018 00:52 |
| 2,4-Dichlorophenol | < 10.0 | ug/L | | 10/2/2018 00:52 |
| 2,4-Dimethylphenol | < 10.0 | ug/L | | 10/2/2018 00:52 |
| 2,4-Dinitrophenol | < 20.0 | ug/L | | 10/2/2018 00:52 |
| 2,4-Dinitrotoluene | < 10.0 | ug/L | | 10/2/2018 00:52 |
| 2,6-Dinitrotoluene | < 10.0 | ug/L | | 10/2/2018 00:52 |
| 2-Chloronaphthalene | < 10.0 | ug/L | | 10/2/2018 00:52 |
| 2-Chlorophenol | < 10.0 | ug/L | | 10/2/2018 00:52 |
| 2-Methylnapthalene | < 10.0 | ug/L | | 10/2/2018 00:52 |
| 2-Methylphenol | < 10.0 | ug/L | | 10/2/2018 00:52 |
| 2-Nitroaniline | < 20.0 | ug/L | | 10/2/2018 00:52 |
| 2-Nitrophenol | < 10.0 | ug/L | | 10/2/2018 00:52 |
| 3&4-Methylphenol | < 10.0 | ug/L | | 10/2/2018 00:52 |
| 3,3'-Dichlorobenzidine | < 10.0 | ug/L | | 10/2/2018 00:52 |
| 3-Nitroaniline | < 20.0 | ug/L | | 10/2/2018 00:52 |
| 4,6-Dinitro-2-methylphenol | < 20.0 | ug/L | | 10/2/2018 00:52 |
| 4-Bromophenyl phenyl ether | < 10.0 | ug/L | | 10/2/2018 00:52 |
| 4-Chloro-3-methylphenol | < 10.0 | ug/L | | 10/2/2018 00:52 |

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Report Prepared Monday, October 8, 2018



Lab Project ID: 184392

Client: **BE3**

Project Reference: 31+150 Tonawanda St

Sample Identifier: 150-MW-1

Lab Sample ID: 184392-02

Date Sampled: 9/21/2018

Matrix: Groundwater

Date Received: 9/24/2018

| | | | |
|------------------------------|--------|------|-----------------|
| 4-Chloroaniline | < 10.0 | ug/L | 10/2/2018 00:52 |
| 4-Chlorophenyl phenyl ether | < 10.0 | ug/L | 10/2/2018 00:52 |
| 4-Nitroaniline | < 20.0 | ug/L | 10/2/2018 00:52 |
| 4-Nitrophenol | < 20.0 | ug/L | 10/2/2018 00:52 |
| Acenaphthene | < 10.0 | ug/L | 10/2/2018 00:52 |
| Acenaphthylene | < 10.0 | ug/L | 10/2/2018 00:52 |
| Acetophenone | < 10.0 | ug/L | 10/2/2018 00:52 |
| Anthracene | < 10.0 | ug/L | 10/2/2018 00:52 |
| Atrazine | < 10.0 | ug/L | 10/2/2018 00:52 |
| Benzaldehyde | < 10.0 | ug/L | 10/2/2018 00:52 |
| Benzo (a) anthracene | < 10.0 | ug/L | 10/2/2018 00:52 |
| Benzo (a) pyrene | < 10.0 | ug/L | 10/2/2018 00:52 |
| Benzo (b) fluoranthene | < 10.0 | ug/L | 10/2/2018 00:52 |
| Benzo (g,h,i) perylene | < 10.0 | ug/L | 10/2/2018 00:52 |
| Benzo (k) fluoranthene | < 10.0 | ug/L | 10/2/2018 00:52 |
| Bis (2-chloroethoxy) methane | < 10.0 | ug/L | 10/2/2018 00:52 |
| Bis (2-chloroethyl) ether | < 10.0 | ug/L | 10/2/2018 00:52 |
| Bis (2-ethylhexyl) phthalate | < 10.0 | ug/L | 10/2/2018 00:52 |
| Butylbenzylphthalate | < 10.0 | ug/L | 10/2/2018 00:52 |
| Caprolactam | < 10.0 | ug/L | 10/2/2018 00:52 |
| Carbazole | < 10.0 | ug/L | 10/2/2018 00:52 |
| Chrysene | < 10.0 | ug/L | 10/2/2018 00:52 |
| Dibenz (a,h) anthracene | < 10.0 | ug/L | 10/2/2018 00:52 |
| Dibenzofuran | < 10.0 | ug/L | 10/2/2018 00:52 |
| Diethyl phthalate | < 10.0 | ug/L | 10/2/2018 00:52 |
| Dimethyl phthalate | < 20.0 | ug/L | 10/2/2018 00:52 |
| Di-n-butyl phthalate | < 10.0 | ug/L | 10/2/2018 00:52 |
| Di-n-octylphthalate | < 10.0 | ug/L | 10/2/2018 00:52 |
| Fluoranthene | < 10.0 | ug/L | 10/2/2018 00:52 |
| Fluorene | < 10.0 | ug/L | 10/2/2018 00:52 |

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Lab Project ID: 184392

Client: **BE3**

Project Reference: 31+150 Tonawanda St

Sample Identifier: 150-MW-1

Lab Sample ID: 184392-02

Date Sampled: 9/21/2018

Matrix: Groundwater

Date Received: 9/24/2018

| | | | | |
|----------------------------|--------|------|-----------|-------|
| Hexachlorobenzene | < 10.0 | ug/L | 10/2/2018 | 00:52 |
| Hexachlorobutadiene | < 10.0 | ug/L | 10/2/2018 | 00:52 |
| Hexachlorocyclopentadiene | < 10.0 | ug/L | 10/2/2018 | 00:52 |
| Hexachloroethane | < 10.0 | ug/L | 10/2/2018 | 00:52 |
| Indeno (1,2,3-cd) pyrene | < 10.0 | ug/L | 10/2/2018 | 00:52 |
| Isophorone | < 10.0 | ug/L | 10/2/2018 | 00:52 |
| Naphthalene | < 10.0 | ug/L | 10/2/2018 | 00:52 |
| Nitrobenzene | < 10.0 | ug/L | 10/2/2018 | 00:52 |
| N-Nitroso-di-n-propylamine | < 10.0 | ug/L | 10/2/2018 | 00:52 |
| N-Nitrosodiphenylamine | < 10.0 | ug/L | 10/2/2018 | 00:52 |
| Pentachlorophenol | < 20.0 | ug/L | 10/2/2018 | 00:52 |
| Phenanthrene | < 10.0 | ug/L | 10/2/2018 | 00:52 |
| Phenol | < 10.0 | ug/L | 10/2/2018 | 00:52 |
| Pyrene | < 10.0 | ug/L | 10/2/2018 | 00:52 |

| Surrogate | Percent Recovery | Limits | Outliers | Date Analyzed |
|----------------------|------------------|-------------|----------|-----------------|
| 2,4,6-Tribromophenol | 80.5 | 48.7 - 113 | | 10/2/2018 00:52 |
| 2-Fluorobiphenyl | 33.6 | 28.7 - 98.8 | | 10/2/2018 00:52 |
| 2-Fluorophenol | 30.0 | 10.5 - 105 | | 10/2/2018 00:52 |
| Nitrobenzene-d5 | 54.2 | 47.4 - 94.5 | | 10/2/2018 00:52 |
| Phenol-d5 | 22.4 | 10 - 101 | | 10/2/2018 00:52 |
| Terphenyl-d14 | 69.8 | 56.7 - 107 | | 10/2/2018 00:52 |

Method Reference(s): EPA 8270D

EPA 3510C

Preparation Date: 9/25/2018

Data File: B32113.D

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Report Prepared Monday, October 8, 2018



Lab Project ID: 184392

Client: **BE3**

Project Reference: 31+150 Tonawanda St

Sample Identifier: 150-MW-1

Lab Sample ID: 184392-02

Matrix: Groundwater

Date Sampled: 9/21/2018

Date Received: 9/24/2018

Volatile Organics

| Analyte | Result | Units | Qualifier | Date Analyzed |
|-----------------------------|--------|-------|-----------|-----------------|
| 1,1,1-Trichloroethane | < 2.00 | ug/L | | 9/28/2018 18:22 |
| 1,1,2,2-Tetrachloroethane | < 2.00 | ug/L | | 9/28/2018 18:22 |
| 1,1,2-Trichloroethane | < 2.00 | ug/L | | 9/28/2018 18:22 |
| 1,1-Dichloroethane | < 2.00 | ug/L | | 9/28/2018 18:22 |
| 1,1-Dichloroethene | < 2.00 | ug/L | | 9/28/2018 18:22 |
| 1,2,3-Trichlorobenzene | < 5.00 | ug/L | | 9/28/2018 18:22 |
| 1,2,4-Trichlorobenzene | < 5.00 | ug/L | | 9/28/2018 18:22 |
| 1,2,4-Trimethylbenzene | < 2.00 | ug/L | | 9/28/2018 18:22 |
| 1,2-Dibromo-3-Chloropropane | < 10.0 | ug/L | | 9/28/2018 18:22 |
| 1,2-Dibromoethane | < 2.00 | ug/L | | 9/28/2018 18:22 |
| 1,2-Dichlorobenzene | < 2.00 | ug/L | | 9/28/2018 18:22 |
| 1,2-Dichloroethane | < 2.00 | ug/L | | 9/28/2018 18:22 |
| 1,2-Dichloropropane | < 2.00 | ug/L | | 9/28/2018 18:22 |
| 1,3,5-Trimethylbenzene | < 2.00 | ug/L | | 9/28/2018 18:22 |
| 1,3-Dichlorobenzene | < 2.00 | ug/L | | 9/28/2018 18:22 |
| 1,4-Dichlorobenzene | < 2.00 | ug/L | | 9/28/2018 18:22 |
| 1,4-Dioxane | < 20.0 | ug/L | | 9/28/2018 18:22 |
| 2-Butanone | < 10.0 | ug/L | | 9/28/2018 18:22 |
| 2-Hexanone | < 5.00 | ug/L | | 9/28/2018 18:22 |
| 4-Methyl-2-pentanone | < 5.00 | ug/L | | 9/28/2018 18:22 |
| Acetone | < 10.0 | ug/L | | 9/28/2018 18:22 |
| Benzene | < 1.00 | ug/L | | 9/28/2018 18:22 |
| Bromochloromethane | < 5.00 | ug/L | | 9/28/2018 18:22 |
| Bromodichloromethane | < 2.00 | ug/L | | 9/28/2018 18:22 |
| Bromoform | < 5.00 | ug/L | | 9/28/2018 18:22 |
| Bromomethane | < 2.00 | ug/L | | 9/28/2018 18:22 |
| Carbon disulfide | < 2.00 | ug/L | | 9/28/2018 18:22 |

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Report Prepared Monday, October 8, 2018



Lab Project ID: 184392

Client: **BE3**

Project Reference: 31+150 Tonawanda St

Sample Identifier: 150-MW-1

Lab Sample ID: 184392-02

Date Sampled: 9/21/2018

Matrix: Groundwater

Date Received: 9/24/2018

| | | | | |
|---------------------------|--------|------|-----------|-------|
| Carbon Tetrachloride | < 2.00 | ug/L | 9/28/2018 | 18:22 |
| Chlorobenzene | < 2.00 | ug/L | 9/28/2018 | 18:22 |
| Chloroethane | < 2.00 | ug/L | 9/28/2018 | 18:22 |
| Chloroform | < 2.00 | ug/L | 9/28/2018 | 18:22 |
| Chloromethane | < 2.00 | ug/L | 9/28/2018 | 18:22 |
| cis-1,2-Dichloroethene | < 2.00 | ug/L | 9/28/2018 | 18:22 |
| cis-1,3-Dichloropropene | < 2.00 | ug/L | 9/28/2018 | 18:22 |
| Cyclohexane | < 10.0 | ug/L | 9/28/2018 | 18:22 |
| Dibromochloromethane | < 2.00 | ug/L | 9/28/2018 | 18:22 |
| Dichlorodifluoromethane | < 2.00 | ug/L | 9/28/2018 | 18:22 |
| Ethylbenzene | < 2.00 | ug/L | 9/28/2018 | 18:22 |
| Freon 113 | < 2.00 | ug/L | 9/28/2018 | 18:22 |
| Isopropylbenzene | < 2.00 | ug/L | 9/28/2018 | 18:22 |
| m,p-Xylene | < 2.00 | ug/L | 9/28/2018 | 18:22 |
| Methyl acetate | < 2.00 | ug/L | 9/28/2018 | 18:22 |
| Methyl tert-butyl Ether | < 2.00 | ug/L | 9/28/2018 | 18:22 |
| Methylcyclohexane | < 2.00 | ug/L | 9/28/2018 | 18:22 |
| Methylene chloride | < 5.00 | ug/L | 9/28/2018 | 18:22 |
| Naphthalene | < 5.00 | ug/L | 9/28/2018 | 18:22 |
| n-Butylbenzene | < 2.00 | ug/L | 9/28/2018 | 18:22 |
| n-Propylbenzene | < 2.00 | ug/L | 9/28/2018 | 18:22 |
| o-Xylene | < 2.00 | ug/L | 9/28/2018 | 18:22 |
| p-Isopropyltoluene | < 2.00 | ug/L | 9/28/2018 | 18:22 |
| sec-Butylbenzene | < 2.00 | ug/L | 9/28/2018 | 18:22 |
| Styrene | < 5.00 | ug/L | 9/28/2018 | 18:22 |
| tert-Butylbenzene | < 2.00 | ug/L | 9/28/2018 | 18:22 |
| Tetrachloroethene | < 2.00 | ug/L | 9/28/2018 | 18:22 |
| Toluene | < 2.00 | ug/L | 9/28/2018 | 18:22 |
| trans-1,2-Dichloroethene | < 2.00 | ug/L | 9/28/2018 | 18:22 |
| trans-1,3-Dichloropropene | < 2.00 | ug/L | 9/28/2018 | 18:22 |

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Report Prepared Monday, October 8, 2018



Lab Project ID: 184392

Client: **BE3**

Project Reference: 31+150 Tonawanda St

Sample Identifier: 150-MW-1

Lab Sample ID: 184392-02

Date Sampled: 9/21/2018

Matrix: Groundwater

Date Received: 9/24/2018

| | | | | |
|------------------------|--------|------|-----------|-------|
| Trichloroethene | < 2.00 | ug/L | 9/28/2018 | 18:22 |
| Trichlorofluoromethane | < 2.00 | ug/L | 9/28/2018 | 18:22 |
| Vinyl chloride | < 2.00 | ug/L | 9/28/2018 | 18:22 |

| Surrogate | Percent Recovery | Limits | Outliers | Date Analyzed |
|-----------------------|-------------------------|---------------|-----------------|----------------------|
| 1,2-Dichloroethane-d4 | 107 | 80.7 - 121 | | 9/28/2018 18:22 |
| 4-Bromofluorobenzene | 84.4 | 74.3 - 121 | | 9/28/2018 18:22 |
| Pentafluorobenzene | 93.1 | 86.2 - 111 | | 9/28/2018 18:22 |
| Toluene-D8 | 87.7 | 86.2 - 112 | | 9/28/2018 18:22 |

Method Reference(s): EPA 8260C

EPA 5030C

Data File: x54643.D

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Report Prepared Monday, October 8, 2018



PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 184392

Client: BE3

Project Reference: 31+150 Tonawanda St

Sample Identifier: 150-MW-1

Lab Sample ID: 184392-02

Date Sampled: 9/21/2018

Matrix: Groundwater

Date Received: 9/24/2018

Total Cyanide

| <u>Analyte</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|----------------|---------------|--------------|------------------|----------------------|
| Cyanide, Total | < 0.0100 | mg/L | | 9/25/2018 |

Method Reference(s): SM22 4500 CN E
Preparation Date: 9/25/2018

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Report Prepared Monday, October 8, 2018



Lab Project ID: 184392

Client: **BE3**

Project Reference: 31+150 Tonawanda St

Sample Identifier: 150-MW-3

Lab Sample ID: 184392-03

Date Sampled: 9/21/2018

Matrix: Groundwater

Date Received: 9/24/2018

Part 375 Metals (ICP)

| Analyte | Result | Units | Qualifier | Date Analyzed |
|----------------|---------------|--------------|------------------|----------------------|
| Arsenic | < 0.0100 | mg/L | | 9/26/2018 16:35 |
| Barium | < 0.100 | mg/L | | 9/26/2018 16:35 |
| Beryllium | < 0.00500 | mg/L | | 9/26/2018 16:35 |
| Cadmium | < 0.00500 | mg/L | | 9/26/2018 16:35 |
| Chromium | < 0.0100 | mg/L | | 9/26/2018 16:35 |
| Copper | 0.0181 | mg/L | J | 10/5/2018 16:05 |
| Lead | < 0.0100 | mg/L | | 9/26/2018 16:35 |
| Manganese | 0.258 | mg/L | | 9/26/2018 16:35 |
| Nickel | < 0.0400 | mg/L | | 9/26/2018 16:35 |
| Selenium | < 0.0200 | mg/L | | 9/26/2018 16:35 |
| Silver | < 0.0100 | mg/L | | 9/26/2018 16:35 |
| Zinc | 0.0720 | mg/L | | 9/26/2018 16:35 |

Method Reference(s): EPA 6010C
EPA 3005A
Preparation Date: 9/25/2018
Data File: 180926B

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Report Prepared Monday, October 8, 2018



PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 184392

Client: **BE3**

Project Reference: 31+150 Tonawanda St

Sample Identifier: 150-MW-3

Lab Sample ID: 184392-03

Date Sampled: 9/21/2018

Matrix: Groundwater

Date Received: 9/24/2018

Mercury

| <u>Analyte</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|-----------------------|----------------------|---------------------|-------------------------|-----------------------------|
| Mercury | < 0.000200 | mg/L | | 9/26/2018 09:58 |

Method Reference(s): EPA 7470A
Preparation Date: 9/25/2018
Data File: Hg180926A

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Report Prepared Monday, October 8, 2018



Lab Project ID: 184392

Client: **BE3**

Project Reference: 31+150 Tonawanda St

Sample Identifier: 150-MW-3

Lab Sample ID: 184392-03

Date Sampled: 9/21/2018

Matrix: Groundwater

Date Received: 9/24/2018

PCBs

| <u>Analyte</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|----------------|---------------|--------------|------------------|----------------------|
| PCB-1016 | < 0.100 | ug/L | | 9/28/2018 01:16 |
| PCB-1221 | < 0.100 | ug/L | | 9/28/2018 01:16 |
| PCB-1232 | < 0.100 | ug/L | | 9/28/2018 01:16 |
| PCB-1242 | < 0.100 | ug/L | | 9/28/2018 01:16 |
| PCB-1248 | < 0.100 | ug/L | | 9/28/2018 01:16 |
| PCB-1254 | 0.0648 | ug/L | J | 9/28/2018 01:16 |
| PCB-1260 | 0.134 | ug/L | | 9/28/2018 01:16 |
| PCB-1262 | < 0.100 | ug/L | | 9/28/2018 01:16 |
| PCB-1268 | < 0.100 | ug/L | | 9/28/2018 01:16 |

| <u>Surrogate</u> | <u>Percent Recovery</u> | <u>Limits</u> | <u>Outliers</u> | <u>Date Analyzed</u> |
|----------------------|-------------------------|---------------|-----------------|----------------------|
| Decachlorobiphenyl | 88.8 | 10 - 103 | | 9/28/2018 01:16 |
| Tetrachloro-m-xylene | 54.4 | 10 - 84.8 | | 9/28/2018 01:16 |

Method Reference(s): EPA 8082A

EPA 3510C

Preparation Date: 9/25/2018

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Monday, October 8, 2018



Lab Project ID: 184392

Client: **BE3**

Project Reference: 31+150 Tonawanda St

Sample Identifier: 150-MW-3

Lab Sample ID: 184392-03

Date Sampled: 9/21/2018

Matrix: Groundwater

Date Received: 9/24/2018

Chlorinated Pesticides

| Analyte | Result | Units | Qualifier | Date Analyzed |
|---------------------|---------------|-------|-----------|-----------------|
| 4,4-DDD | < 0.100 | ug/L | | 9/26/2018 15:55 |
| 4,4-DDE | < 0.100 | ug/L | | 9/26/2018 15:55 |
| 4,4-DDT | < 0.100 | ug/L | | 9/26/2018 15:55 |
| Aldrin | < 0.100 | ug/L | | 9/26/2018 15:55 |
| alpha-BHC | < 0.100 | ug/L | | 9/26/2018 15:55 |
| beta-BHC | < 0.100 | ug/L | | 9/26/2018 15:55 |
| cis-Chlordane | < 0.100 | ug/L | | 9/26/2018 15:55 |
| delta-BHC | < 0.100 | ug/L | | 9/26/2018 15:55 |
| Dieldrin | < 0.100 | ug/L | | 9/26/2018 15:55 |
| Endosulfan I | < 0.100 | ug/L | | 9/26/2018 15:55 |
| Endosulfan II | < 0.100 | ug/L | | 9/26/2018 15:55 |
| Endosulfan Sulfate | < 0.100 | ug/L | | 9/26/2018 15:55 |
| Endrin | < 0.100 | ug/L | | 9/26/2018 15:55 |
| Endrin Aldehyde | < 0.100 | ug/L | | 9/26/2018 15:55 |
| Endrin Ketone | < 0.100 | ug/L | | 9/26/2018 15:55 |
| gamma-BHC (Lindane) | < 0.100 | ug/L | | 9/26/2018 15:55 |
| Heptachlor | < 0.100 | ug/L | | 9/26/2018 15:55 |
| Heptachlor Epoxide | 0.0678 | ug/L | JP | 9/26/2018 15:55 |
| Methoxychlor | < 0.100 | ug/L | | 9/26/2018 15:55 |
| Toxaphene | < 1.00 | ug/L | | 9/26/2018 15:55 |
| trans-Chlordane | < 0.100 | ug/L | | 9/26/2018 15:55 |

| Surrogate | Percent Recovery | Limits | Outliers | Date Analyzed |
|--------------------------|------------------|------------|----------|-----------------|
| Decachlorobiphenyl (1) | 86.5 | 23.1 - 153 | | 9/26/2018 15:55 |
| Tetrachloro-m-xylene (1) | 78.0 | 35.1 - 106 | | 9/26/2018 15:55 |

Method Reference(s): EPA 8081B

EPA 3510C

Preparation Date: 9/26/2018

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Report Prepared Monday, October 8, 2018



Lab Project ID: 184392

Client: **BE3**

Project Reference: 31+150 Tonawanda St

Sample Identifier: 150-MW-3

Lab Sample ID: 184392-03

Matrix: Groundwater

Date Sampled: 9/21/2018

Date Received: 9/24/2018

Semi-Volatile Organics (Acid/Base Neutrals)

| Analyte | Result | Units | Qualifier | Date Analyzed |
|------------------------------|--------|-------|-----------|-----------------|
| 1,1-Biphenyl | < 10.0 | ug/L | | 10/2/2018 01:21 |
| 1,2,4,5-Tetrachlorobenzene | < 10.0 | ug/L | | 10/2/2018 01:21 |
| 1,2,4-Trichlorobenzene | < 10.0 | ug/L | | 10/2/2018 01:21 |
| 1,2-Dichlorobenzene | < 10.0 | ug/L | | 10/2/2018 01:21 |
| 1,3-Dichlorobenzene | < 10.0 | ug/L | | 10/2/2018 01:21 |
| 1,4-Dichlorobenzene | < 10.0 | ug/L | | 10/2/2018 01:21 |
| 2,2-Oxybis (1-chloropropane) | < 10.0 | ug/L | | 10/2/2018 01:21 |
| 2,3,4,6-Tetrachlorophenol | < 10.0 | ug/L | | 10/2/2018 01:21 |
| 2,4,5-Trichlorophenol | < 10.0 | ug/L | | 10/2/2018 01:21 |
| 2,4,6-Trichlorophenol | < 20.0 | ug/L | | 10/2/2018 01:21 |
| 2,4-Dichlorophenol | < 10.0 | ug/L | | 10/2/2018 01:21 |
| 2,4-Dimethylphenol | < 10.0 | ug/L | | 10/2/2018 01:21 |
| 2,4-Dinitrophenol | < 20.0 | ug/L | | 10/2/2018 01:21 |
| 2,4-Dinitrotoluene | < 10.0 | ug/L | | 10/2/2018 01:21 |
| 2,6-Dinitrotoluene | < 10.0 | ug/L | | 10/2/2018 01:21 |
| 2-Chloronaphthalene | < 10.0 | ug/L | | 10/2/2018 01:21 |
| 2-Chlorophenol | < 10.0 | ug/L | | 10/2/2018 01:21 |
| 2-Methylnapthalene | < 10.0 | ug/L | | 10/2/2018 01:21 |
| 2-Methylphenol | < 10.0 | ug/L | | 10/2/2018 01:21 |
| 2-Nitroaniline | < 20.0 | ug/L | | 10/2/2018 01:21 |
| 2-Nitrophenol | < 10.0 | ug/L | | 10/2/2018 01:21 |
| 3&4-Methylphenol | < 10.0 | ug/L | | 10/2/2018 01:21 |
| 3,3'-Dichlorobenzidine | < 10.0 | ug/L | | 10/2/2018 01:21 |
| 3-Nitroaniline | < 20.0 | ug/L | | 10/2/2018 01:21 |
| 4,6-Dinitro-2-methylphenol | < 20.0 | ug/L | | 10/2/2018 01:21 |
| 4-Bromophenyl phenyl ether | < 10.0 | ug/L | | 10/2/2018 01:21 |
| 4-Chloro-3-methylphenol | < 10.0 | ug/L | | 10/2/2018 01:21 |

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Report Prepared Monday, October 8, 2018



Lab Project ID: 184392

Client: **BE3**

Project Reference: 31+150 Tonawanda St

Sample Identifier: 150-MW-3

Lab Sample ID: 184392-03

Date Sampled: 9/21/2018

Matrix: Groundwater

Date Received: 9/24/2018

| | | | | |
|------------------------------|--------|------|-----------|-------|
| 4-Chloroaniline | < 10.0 | ug/L | 10/2/2018 | 01:21 |
| 4-Chlorophenyl phenyl ether | < 10.0 | ug/L | 10/2/2018 | 01:21 |
| 4-Nitroaniline | < 20.0 | ug/L | 10/2/2018 | 01:21 |
| 4-Nitrophenol | < 20.0 | ug/L | 10/2/2018 | 01:21 |
| Acenaphthene | < 10.0 | ug/L | 10/2/2018 | 01:21 |
| Acenaphthylene | < 10.0 | ug/L | 10/2/2018 | 01:21 |
| Acetophenone | < 10.0 | ug/L | 10/2/2018 | 01:21 |
| Anthracene | < 10.0 | ug/L | 10/2/2018 | 01:21 |
| Atrazine | < 10.0 | ug/L | 10/2/2018 | 01:21 |
| Benzaldehyde | < 10.0 | ug/L | 10/2/2018 | 01:21 |
| Benzo (a) anthracene | < 10.0 | ug/L | 10/2/2018 | 01:21 |
| Benzo (a) pyrene | < 10.0 | ug/L | 10/2/2018 | 01:21 |
| Benzo (b) fluoranthene | < 10.0 | ug/L | 10/2/2018 | 01:21 |
| Benzo (g,h,i) perylene | < 10.0 | ug/L | 10/2/2018 | 01:21 |
| Benzo (k) fluoranthene | < 10.0 | ug/L | 10/2/2018 | 01:21 |
| Bis (2-chloroethoxy) methane | < 10.0 | ug/L | 10/2/2018 | 01:21 |
| Bis (2-chloroethyl) ether | < 10.0 | ug/L | 10/2/2018 | 01:21 |
| Bis (2-ethylhexyl) phthalate | < 10.0 | ug/L | 10/2/2018 | 01:21 |
| Butylbenzylphthalate | < 10.0 | ug/L | 10/2/2018 | 01:21 |
| Caprolactam | < 10.0 | ug/L | 10/2/2018 | 01:21 |
| Carbazole | < 10.0 | ug/L | 10/2/2018 | 01:21 |
| Chrysene | < 10.0 | ug/L | 10/2/2018 | 01:21 |
| Dibenz (a,h) anthracene | < 10.0 | ug/L | 10/2/2018 | 01:21 |
| Dibenzofuran | < 10.0 | ug/L | 10/2/2018 | 01:21 |
| Diethyl phthalate | < 10.0 | ug/L | 10/2/2018 | 01:21 |
| Dimethyl phthalate | < 20.0 | ug/L | 10/2/2018 | 01:21 |
| Di-n-butyl phthalate | < 10.0 | ug/L | 10/2/2018 | 01:21 |
| Di-n-octylphthalate | < 10.0 | ug/L | 10/2/2018 | 01:21 |
| Fluoranthene | < 10.0 | ug/L | 10/2/2018 | 01:21 |
| Fluorene | < 10.0 | ug/L | 10/2/2018 | 01:21 |

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Lab Project ID: 184392

Client: **BE3**

Project Reference: 31+150 Tonawanda St

Sample Identifier: 150-MW-3

Lab Sample ID: 184392-03

Date Sampled: 9/21/2018

Matrix: Groundwater

Date Received: 9/24/2018

| | | | | |
|----------------------------|--------|------|-----------|-------|
| Hexachlorobenzene | < 10.0 | ug/L | 10/2/2018 | 01:21 |
| Hexachlorobutadiene | < 10.0 | ug/L | 10/2/2018 | 01:21 |
| Hexachlorocyclopentadiene | < 10.0 | ug/L | 10/2/2018 | 01:21 |
| Hexachloroethane | < 10.0 | ug/L | 10/2/2018 | 01:21 |
| Indeno (1,2,3-cd) pyrene | < 10.0 | ug/L | 10/2/2018 | 01:21 |
| Isophorone | < 10.0 | ug/L | 10/2/2018 | 01:21 |
| Naphthalene | < 10.0 | ug/L | 10/2/2018 | 01:21 |
| Nitrobenzene | < 10.0 | ug/L | 10/2/2018 | 01:21 |
| N-Nitroso-di-n-propylamine | < 10.0 | ug/L | 10/2/2018 | 01:21 |
| N-Nitrosodiphenylamine | < 10.0 | ug/L | 10/2/2018 | 01:21 |
| Pentachlorophenol | < 20.0 | ug/L | 10/2/2018 | 01:21 |
| Phenanthrene | < 10.0 | ug/L | 10/2/2018 | 01:21 |
| Phenol | < 10.0 | ug/L | 10/2/2018 | 01:21 |
| Pyrene | < 10.0 | ug/L | 10/2/2018 | 01:21 |

| Surrogate | Percent Recovery | Limits | Outliers | Date Analyzed |
|----------------------|------------------|-------------|----------|-----------------|
| 2,4,6-Tribromophenol | 92.7 | 48.7 - 113 | | 10/2/2018 01:21 |
| 2-Fluorobiphenyl | 31.5 | 28.7 - 98.8 | | 10/2/2018 01:21 |
| 2-Fluorophenol | 38.3 | 10.5 - 105 | | 10/2/2018 01:21 |
| Nitrobenzene-d5 | 65.2 | 47.4 - 94.5 | | 10/2/2018 01:21 |
| Phenol-d5 | 27.9 | 10 - 101 | | 10/2/2018 01:21 |
| Terphenyl-d14 | 78.5 | 56.7 - 107 | | 10/2/2018 01:21 |

Method Reference(s): EPA 8270D

EPA 3510C

Preparation Date: 9/25/2018

Data File: B32114.D

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Report Prepared Monday, October 8, 2018



Lab Project ID: 184392

Client: **BE3**

Project Reference: 31+150 Tonawanda St

Sample Identifier: 150-MW-3

Lab Sample ID: 184392-03

Matrix: Groundwater

Date Sampled: 9/21/2018

Date Received: 9/24/2018

Volatile Organics

| Analyte | Result | Units | Qualifier | Date Analyzed |
|-----------------------------|---------------|--------------|------------------|----------------------|
| 1,1,1-Trichloroethane | < 2.00 | ug/L | | 9/28/2018 18:45 |
| 1,1,2,2-Tetrachloroethane | < 2.00 | ug/L | | 9/28/2018 18:45 |
| 1,1,2-Trichloroethane | < 2.00 | ug/L | | 9/28/2018 18:45 |
| 1,1-Dichloroethane | < 2.00 | ug/L | | 9/28/2018 18:45 |
| 1,1-Dichloroethene | < 2.00 | ug/L | | 9/28/2018 18:45 |
| 1,2,3-Trichlorobenzene | < 5.00 | ug/L | | 9/28/2018 18:45 |
| 1,2,4-Trichlorobenzene | < 5.00 | ug/L | | 9/28/2018 18:45 |
| 1,2,4-Trimethylbenzene | < 2.00 | ug/L | | 9/28/2018 18:45 |
| 1,2-Dibromo-3-Chloropropane | < 10.0 | ug/L | | 9/28/2018 18:45 |
| 1,2-Dibromoethane | < 2.00 | ug/L | | 9/28/2018 18:45 |
| 1,2-Dichlorobenzene | < 2.00 | ug/L | | 9/28/2018 18:45 |
| 1,2-Dichloroethane | < 2.00 | ug/L | | 9/28/2018 18:45 |
| 1,2-Dichloropropane | < 2.00 | ug/L | | 9/28/2018 18:45 |
| 1,3,5-Trimethylbenzene | < 2.00 | ug/L | | 9/28/2018 18:45 |
| 1,3-Dichlorobenzene | < 2.00 | ug/L | | 9/28/2018 18:45 |
| 1,4-Dichlorobenzene | < 2.00 | ug/L | | 9/28/2018 18:45 |
| 1,4-Dioxane | < 20.0 | ug/L | | 9/28/2018 18:45 |
| 2-Butanone | < 10.0 | ug/L | | 9/28/2018 18:45 |
| 2-Hexanone | < 5.00 | ug/L | | 9/28/2018 18:45 |
| 4-Methyl-2-pentanone | < 5.00 | ug/L | | 9/28/2018 18:45 |
| Acetone | < 10.0 | ug/L | | 9/28/2018 18:45 |
| Benzene | < 1.00 | ug/L | | 9/28/2018 18:45 |
| Bromochloromethane | < 5.00 | ug/L | | 9/28/2018 18:45 |
| Bromodichloromethane | < 2.00 | ug/L | | 9/28/2018 18:45 |
| Bromoform | < 5.00 | ug/L | | 9/28/2018 18:45 |
| Bromomethane | < 2.00 | ug/L | | 9/28/2018 18:45 |
| Carbon disulfide | < 2.00 | ug/L | | 9/28/2018 18:45 |

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Report Prepared Monday, October 8, 2018



Lab Project ID: 184392

Client: **BE3**

Project Reference: 31+150 Tonawanda St

Sample Identifier: 150-MW-3

Lab Sample ID: 184392-03

Date Sampled: 9/21/2018

Matrix: Groundwater

Date Received: 9/24/2018

| | | | | |
|---------------------------|--------|------|-----------|-------|
| Carbon Tetrachloride | < 2.00 | ug/L | 9/28/2018 | 18:45 |
| Chlorobenzene | < 2.00 | ug/L | 9/28/2018 | 18:45 |
| Chloroethane | < 2.00 | ug/L | 9/28/2018 | 18:45 |
| Chloroform | < 2.00 | ug/L | 9/28/2018 | 18:45 |
| Chloromethane | < 2.00 | ug/L | 9/28/2018 | 18:45 |
| cis-1,2-Dichloroethene | < 2.00 | ug/L | 9/28/2018 | 18:45 |
| cis-1,3-Dichloropropene | < 2.00 | ug/L | 9/28/2018 | 18:45 |
| Cyclohexane | < 10.0 | ug/L | 9/28/2018 | 18:45 |
| Dibromochloromethane | < 2.00 | ug/L | 9/28/2018 | 18:45 |
| Dichlorodifluoromethane | < 2.00 | ug/L | 9/28/2018 | 18:45 |
| Ethylbenzene | < 2.00 | ug/L | 9/28/2018 | 18:45 |
| Freon 113 | < 2.00 | ug/L | 9/28/2018 | 18:45 |
| Isopropylbenzene | < 2.00 | ug/L | 9/28/2018 | 18:45 |
| m,p-Xylene | < 2.00 | ug/L | 9/28/2018 | 18:45 |
| Methyl acetate | < 2.00 | ug/L | 9/28/2018 | 18:45 |
| Methyl tert-butyl Ether | < 2.00 | ug/L | 9/28/2018 | 18:45 |
| Methylcyclohexane | < 2.00 | ug/L | 9/28/2018 | 18:45 |
| Methylene chloride | < 5.00 | ug/L | 9/28/2018 | 18:45 |
| Naphthalene | < 5.00 | ug/L | 9/28/2018 | 18:45 |
| n-Butylbenzene | < 2.00 | ug/L | 9/28/2018 | 18:45 |
| n-Propylbenzene | < 2.00 | ug/L | 9/28/2018 | 18:45 |
| o-Xylene | < 2.00 | ug/L | 9/28/2018 | 18:45 |
| p-Isopropyltoluene | < 2.00 | ug/L | 9/28/2018 | 18:45 |
| sec-Butylbenzene | < 2.00 | ug/L | 9/28/2018 | 18:45 |
| Styrene | < 5.00 | ug/L | 9/28/2018 | 18:45 |
| tert-Butylbenzene | < 2.00 | ug/L | 9/28/2018 | 18:45 |
| Tetrachloroethene | < 2.00 | ug/L | 9/28/2018 | 18:45 |
| Toluene | < 2.00 | ug/L | 9/28/2018 | 18:45 |
| trans-1,2-Dichloroethene | < 2.00 | ug/L | 9/28/2018 | 18:45 |
| trans-1,3-Dichloropropene | < 2.00 | ug/L | 9/28/2018 | 18:45 |

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Report Prepared Monday, October 8, 2018



Lab Project ID: 184392

Client: BE3

Project Reference: 31+150 Tonawanda St

Sample Identifier: 150-MW-3

Lab Sample ID: 184392-03

Date Sampled: 9/21/2018

Matrix: Groundwater

Date Received: 9/24/2018

| | | | | |
|------------------------|--------|------|-----------|-------|
| Trichloroethene | < 2.00 | ug/L | 9/28/2018 | 18:45 |
| Trichlorofluoromethane | < 2.00 | ug/L | 9/28/2018 | 18:45 |
| Vinyl chloride | < 2.00 | ug/L | 9/28/2018 | 18:45 |

| <u>Surrogate</u> | <u>Percent Recovery</u> | <u>Limits</u> | <u>Outliers</u> | <u>Date Analyzed</u> |
|-----------------------|-------------------------|---------------|-----------------|----------------------|
| 1,2-Dichloroethane-d4 | 107 | 80.7 - 121 | | 9/28/2018 18:45 |
| 4-Bromofluorobenzene | 87.1 | 74.3 - 121 | | 9/28/2018 18:45 |
| Pentafluorobenzene | 91.8 | 86.2 - 111 | | 9/28/2018 18:45 |
| Toluene-D8 | 88.0 | 86.2 - 112 | | 9/28/2018 18:45 |

Method Reference(s): EPA 8260C

EPA 5030C

Data File: x54644.D

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Report Prepared Monday, October 8, 2018



Lab Project ID: 184392

Client: **BE3**

Project Reference: 31+150 Tonawanda St

Sample Identifier: 150-MW-3

Lab Sample ID: 184392-03

Date Sampled: 9/21/2018

Matrix: Groundwater

Date Received: 9/24/2018

Total Cyanide

| <u>Analyte</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|----------------|---------------|--------------|------------------|----------------------|
| Cyanide, Total | < 0.0100 | mg/L | | 9/25/2018 |

Method Reference(s): SM22 4500 CN E
Preparation Date: 9/25/2018

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Report Prepared Monday, October 8, 2018



Lab Project ID: 184392

Client: **BE3**

Project Reference: 31+150 Tonawanda St

Sample Identifier: 150-MW-2

Lab Sample ID: 184392-04

Matrix: Groundwater

Date Sampled: 9/21/2018

Date Received: 9/24/2018

Part 375 Metals (ICP)

| Analyte | Result | Units | Qualifier | Date Analyzed |
|----------------|---------------|--------------|------------------|----------------------|
| Arsenic | < 0.0100 | mg/L | | 9/26/2018 16:39 |
| Barium | < 0.100 | mg/L | | 9/26/2018 16:39 |
| Beryllium | < 0.00500 | mg/L | | 9/26/2018 16:39 |
| Cadmium | < 0.00500 | mg/L | | 9/26/2018 16:39 |
| Chromium | < 0.0100 | mg/L | | 9/26/2018 16:39 |
| Copper | 0.0144 | mg/L | J | 10/5/2018 16:10 |
| Lead | < 0.0100 | mg/L | | 9/26/2018 16:39 |
| Manganese | 0.405 | mg/L | | 9/26/2018 16:39 |
| Nickel | < 0.0400 | mg/L | | 9/26/2018 16:39 |
| Selenium | < 0.0200 | mg/L | | 9/26/2018 16:39 |
| Silver | < 0.0100 | mg/L | | 9/26/2018 16:39 |
| Zinc | < 0.0600 | mg/L | | 9/26/2018 16:39 |

Method Reference(s): EPA 6010C
EPA 3005A
Preparation Date: 9/25/2018
Data File: 180926B

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Report Prepared Monday, October 8, 2018



Lab Project ID: 184392

Client: **BE3**

Project Reference: 31+150 Tonawanda St

Sample Identifier: 150-MW-2

Lab Sample ID: 184392-04

Matrix: Groundwater

Date Sampled: 9/21/2018

Date Received: 9/24/2018

Mercury

| <u>Analyte</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|----------------|---------------|--------------|------------------|----------------------|
| Mercury | < 0.000200 | mg/L | M | 9/26/2018 10:07 |

Method Reference(s): EPA 7470A
Preparation Date: 9/25/2018
Data File: Hg180926A

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Report Prepared Monday, October 8, 2018



Lab Project ID: 184392

Client: **BE3**

Project Reference: 31+150 Tonawanda St

Sample Identifier: 150-MW-2

Lab Sample ID: 184392-04

Matrix: Groundwater

Date Sampled: 9/21/2018

Date Received: 9/24/2018

PCBs

| <u>Analyte</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|----------------|---------------|--------------|------------------|----------------------|
| PCB-1016 | < 0.100 | ug/L | | 9/28/2018 01:39 |
| PCB-1221 | < 0.100 | ug/L | | 9/28/2018 01:39 |
| PCB-1232 | < 0.100 | ug/L | | 9/28/2018 01:39 |
| PCB-1242 | < 0.100 | ug/L | | 9/28/2018 01:39 |
| PCB-1248 | < 0.100 | ug/L | | 9/28/2018 01:39 |
| PCB-1254 | < 0.100 | ug/L | | 9/28/2018 01:39 |
| PCB-1260 | < 0.100 | ug/L | | 9/28/2018 01:39 |
| PCB-1262 | < 0.100 | ug/L | | 9/28/2018 01:39 |
| PCB-1268 | < 0.100 | ug/L | | 9/28/2018 01:39 |

| <u>Surrogate</u> | <u>Percent Recovery</u> | <u>Limits</u> | <u>Outliers</u> | <u>Date Analyzed</u> |
|----------------------|-------------------------|---------------|-----------------|----------------------|
| Decachlorobiphenyl | 109 | 10 - 103 | * | 9/28/2018 01:39 |
| Tetrachloro-m-xylene | 64.2 | 10 - 84.8 | | 9/28/2018 01:39 |

Method Reference(s): EPA 8082A

EPA 3510C

Preparation Date: 9/25/2018

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Monday, October 8, 2018



Lab Project ID: 184392

Client: **BE3**

Project Reference: 31+150 Tonawanda St

Sample Identifier: 150-MW-2

Lab Sample ID: 184392-04

Date Sampled: 9/21/2018

Matrix: Groundwater

Date Received: 9/24/2018

Chlorinated Pesticides

| Analyte | Result | Units | Qualifier | Date Analyzed |
|---------------------|---------------|-------|-----------|-----------------|
| 4,4-DDD | < 0.100 | ug/L | | 9/26/2018 16:10 |
| 4,4-DDE | < 0.100 | ug/L | | 9/26/2018 16:10 |
| 4,4-DDT | < 0.100 | ug/L | | 9/26/2018 16:10 |
| Aldrin | < 0.100 | ug/L | | 9/26/2018 16:10 |
| alpha-BHC | < 0.100 | ug/L | | 9/26/2018 16:10 |
| beta-BHC | < 0.100 | ug/L | | 9/26/2018 16:10 |
| cis-Chlordane | < 0.100 | ug/L | | 9/26/2018 16:10 |
| delta-BHC | < 0.100 | ug/L | | 9/26/2018 16:10 |
| Dieldrin | < 0.100 | ug/L | | 9/26/2018 16:10 |
| Endosulfan I | < 0.100 | ug/L | | 9/26/2018 16:10 |
| Endosulfan II | < 0.100 | ug/L | | 9/26/2018 16:10 |
| Endosulfan Sulfate | < 0.100 | ug/L | | 9/26/2018 16:10 |
| Endrin | < 0.100 | ug/L | | 9/26/2018 16:10 |
| Endrin Aldehyde | < 0.100 | ug/L | | 9/26/2018 16:10 |
| Endrin Ketone | < 0.100 | ug/L | | 9/26/2018 16:10 |
| gamma-BHC (Lindane) | < 0.100 | ug/L | | 9/26/2018 16:10 |
| Heptachlor | 0.0649 | ug/L | J | 9/26/2018 16:10 |
| Heptachlor Epoxide | < 0.100 | ug/L | | 9/26/2018 16:10 |
| Methoxychlor | < 0.100 | ug/L | | 9/26/2018 16:10 |
| Toxaphene | < 1.00 | ug/L | | 9/26/2018 16:10 |
| trans-Chlordane | < 0.100 | ug/L | | 9/26/2018 16:10 |

| Surrogate | Percent Recovery | Limits | Outliers | Date Analyzed |
|--------------------------|------------------|------------|----------|-----------------|
| Decachlorobiphenyl (1) | 78.0 | 23.1 - 153 | | 9/26/2018 16:10 |
| Tetrachloro-m-xylene (1) | 75.7 | 35.1 - 106 | | 9/26/2018 16:10 |

Method Reference(s): EPA 8081B

EPA 3510C

Preparation Date: 9/26/2018

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Report Prepared Monday, October 8, 2018



Lab Project ID: 184392

Client: **BE3**

Project Reference: 31+150 Tonawanda St

Sample Identifier: 150-MW-2

Lab Sample ID: 184392-04

Matrix: Groundwater

Date Sampled: 9/21/2018

Date Received: 9/24/2018

Semi-Volatile Organics (Acid/Base Neutrals)

| Analyte | Result | Units | Qualifier | Date Analyzed |
|------------------------------|--------|-------|-----------|-----------------|
| 1,1-Biphenyl | < 10.0 | ug/L | | 10/2/2018 01:50 |
| 1,2,4,5-Tetrachlorobenzene | < 10.0 | ug/L | | 10/2/2018 01:50 |
| 1,2,4-Trichlorobenzene | < 10.0 | ug/L | | 10/2/2018 01:50 |
| 1,2-Dichlorobenzene | < 10.0 | ug/L | | 10/2/2018 01:50 |
| 1,3-Dichlorobenzene | < 10.0 | ug/L | | 10/2/2018 01:50 |
| 1,4-Dichlorobenzene | < 10.0 | ug/L | | 10/2/2018 01:50 |
| 2,2-Oxybis (1-chloropropane) | < 10.0 | ug/L | | 10/2/2018 01:50 |
| 2,3,4,6-Tetrachlorophenol | < 10.0 | ug/L | | 10/2/2018 01:50 |
| 2,4,5-Trichlorophenol | < 10.0 | ug/L | | 10/2/2018 01:50 |
| 2,4,6-Trichlorophenol | < 20.0 | ug/L | | 10/2/2018 01:50 |
| 2,4-Dichlorophenol | < 10.0 | ug/L | | 10/2/2018 01:50 |
| 2,4-Dimethylphenol | < 10.0 | ug/L | | 10/2/2018 01:50 |
| 2,4-Dinitrophenol | < 20.0 | ug/L | | 10/2/2018 01:50 |
| 2,4-Dinitrotoluene | < 10.0 | ug/L | | 10/2/2018 01:50 |
| 2,6-Dinitrotoluene | < 10.0 | ug/L | | 10/2/2018 01:50 |
| 2-Chloronaphthalene | < 10.0 | ug/L | | 10/2/2018 01:50 |
| 2-Chlorophenol | < 10.0 | ug/L | | 10/2/2018 01:50 |
| 2-Methylnapthalene | < 10.0 | ug/L | | 10/2/2018 01:50 |
| 2-Methylphenol | < 10.0 | ug/L | | 10/2/2018 01:50 |
| 2-Nitroaniline | < 20.0 | ug/L | | 10/2/2018 01:50 |
| 2-Nitrophenol | < 10.0 | ug/L | | 10/2/2018 01:50 |
| 3&4-Methylphenol | < 10.0 | ug/L | | 10/2/2018 01:50 |
| 3,3'-Dichlorobenzidine | < 10.0 | ug/L | | 10/2/2018 01:50 |
| 3-Nitroaniline | < 20.0 | ug/L | | 10/2/2018 01:50 |
| 4,6-Dinitro-2-methylphenol | < 20.0 | ug/L | | 10/2/2018 01:50 |
| 4-Bromophenyl phenyl ether | < 10.0 | ug/L | | 10/2/2018 01:50 |
| 4-Chloro-3-methylphenol | < 10.0 | ug/L | | 10/2/2018 01:50 |

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Report Prepared Monday, October 8, 2018



Lab Project ID: 184392

Client: **BE3**

Project Reference: 31+150 Tonawanda St

Sample Identifier: 150-MW-2

Lab Sample ID: 184392-04

Date Sampled: 9/21/2018

Matrix: Groundwater

Date Received: 9/24/2018

| | | | |
|------------------------------|--------|------|-----------------|
| 4-Chloroaniline | < 10.0 | ug/L | 10/2/2018 01:50 |
| 4-Chlorophenyl phenyl ether | < 10.0 | ug/L | 10/2/2018 01:50 |
| 4-Nitroaniline | < 20.0 | ug/L | 10/2/2018 01:50 |
| 4-Nitrophenol | < 20.0 | ug/L | 10/2/2018 01:50 |
| Acenaphthene | < 10.0 | ug/L | 10/2/2018 01:50 |
| Acenaphthylene | < 10.0 | ug/L | 10/2/2018 01:50 |
| Acetophenone | < 10.0 | ug/L | 10/2/2018 01:50 |
| Anthracene | < 10.0 | ug/L | 10/2/2018 01:50 |
| Atrazine | < 10.0 | ug/L | 10/2/2018 01:50 |
| Benzaldehyde | < 10.0 | ug/L | 10/2/2018 01:50 |
| Benzo (a) anthracene | < 10.0 | ug/L | 10/2/2018 01:50 |
| Benzo (a) pyrene | < 10.0 | ug/L | 10/2/2018 01:50 |
| Benzo (b) fluoranthene | < 10.0 | ug/L | 10/2/2018 01:50 |
| Benzo (g,h,i) perylene | < 10.0 | ug/L | 10/2/2018 01:50 |
| Benzo (k) fluoranthene | < 10.0 | ug/L | 10/2/2018 01:50 |
| Bis (2-chloroethoxy) methane | < 10.0 | ug/L | 10/2/2018 01:50 |
| Bis (2-chloroethyl) ether | < 10.0 | ug/L | 10/2/2018 01:50 |
| Bis (2-ethylhexyl) phthalate | < 10.0 | ug/L | 10/2/2018 01:50 |
| Butylbenzylphthalate | < 10.0 | ug/L | 10/2/2018 01:50 |
| Caprolactam | < 10.0 | ug/L | 10/2/2018 01:50 |
| Carbazole | < 10.0 | ug/L | 10/2/2018 01:50 |
| Chrysene | < 10.0 | ug/L | 10/2/2018 01:50 |
| Dibenz (a,h) anthracene | < 10.0 | ug/L | 10/2/2018 01:50 |
| Dibenzofuran | < 10.0 | ug/L | 10/2/2018 01:50 |
| Diethyl phthalate | < 10.0 | ug/L | 10/2/2018 01:50 |
| Dimethyl phthalate | < 20.0 | ug/L | 10/2/2018 01:50 |
| Di-n-butyl phthalate | < 10.0 | ug/L | 10/2/2018 01:50 |
| Di-n-octylphthalate | < 10.0 | ug/L | 10/2/2018 01:50 |
| Fluoranthene | < 10.0 | ug/L | 10/2/2018 01:50 |
| Fluorene | < 10.0 | ug/L | 10/2/2018 01:50 |

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Report Prepared Monday, October 8, 2018



Lab Project ID: 184392

Client: **BE3**

Project Reference: 31+150 Tonawanda St

Sample Identifier: 150-MW-2

Lab Sample ID: 184392-04

Date Sampled: 9/21/2018

Matrix: Groundwater

Date Received: 9/24/2018

| | | | | |
|----------------------------|--------|------|-----------|-------|
| Hexachlorobenzene | < 10.0 | ug/L | 10/2/2018 | 01:50 |
| Hexachlorobutadiene | < 10.0 | ug/L | 10/2/2018 | 01:50 |
| Hexachlorocyclopentadiene | < 10.0 | ug/L | 10/2/2018 | 01:50 |
| Hexachloroethane | < 10.0 | ug/L | 10/2/2018 | 01:50 |
| Indeno (1,2,3-cd) pyrene | < 10.0 | ug/L | 10/2/2018 | 01:50 |
| Isophorone | < 10.0 | ug/L | 10/2/2018 | 01:50 |
| Naphthalene | < 10.0 | ug/L | 10/2/2018 | 01:50 |
| Nitrobenzene | < 10.0 | ug/L | 10/2/2018 | 01:50 |
| N-Nitroso-di-n-propylamine | < 10.0 | ug/L | 10/2/2018 | 01:50 |
| N-Nitrosodiphenylamine | < 10.0 | ug/L | 10/2/2018 | 01:50 |
| Pentachlorophenol | < 20.0 | ug/L | 10/2/2018 | 01:50 |
| Phenanthrene | < 10.0 | ug/L | 10/2/2018 | 01:50 |
| Phenol | < 10.0 | ug/L | 10/2/2018 | 01:50 |
| Pyrene | < 10.0 | ug/L | 10/2/2018 | 01:50 |

| Surrogate | Percent Recovery | Limits | Outliers | Date Analyzed |
|----------------------|------------------|-------------|----------|-----------------|
| 2,4,6-Tribromophenol | 88.9 | 48.7 - 113 | | 10/2/2018 01:50 |
| 2-Fluorobiphenyl | 38.9 | 28.7 - 98.8 | | 10/2/2018 01:50 |
| 2-Fluorophenol | 35.4 | 10.5 - 105 | | 10/2/2018 01:50 |
| Nitrobenzene-d5 | 61.8 | 47.4 - 94.5 | | 10/2/2018 01:50 |
| Phenol-d5 | 25.9 | 10 - 101 | | 10/2/2018 01:50 |
| Terphenyl-d14 | 76.4 | 56.7 - 107 | | 10/2/2018 01:50 |

Method Reference(s): EPA 8270D

EPA 3510C

Preparation Date: 9/25/2018

Data File: B32115.D

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Report Prepared Monday, October 8, 2018



Lab Project ID: 184392

Client: **BE3**

Project Reference: 31+150 Tonawanda St

Sample Identifier: 150-MW-2

Lab Sample ID: 184392-04

Matrix: Groundwater

Date Sampled: 9/21/2018

Date Received: 9/24/2018

Volatile Organics

| Analyte | Result | Units | Qualifier | Date Analyzed |
|-----------------------------|-------------|-------|-----------|-----------------|
| 1,1,1-Trichloroethane | < 2.00 | ug/L | | 9/28/2018 19:09 |
| 1,1,2,2-Tetrachloroethane | < 2.00 | ug/L | | 9/28/2018 19:09 |
| 1,1,2-Trichloroethane | < 2.00 | ug/L | | 9/28/2018 19:09 |
| 1,1-Dichloroethane | < 2.00 | ug/L | | 9/28/2018 19:09 |
| 1,1-Dichloroethene | < 2.00 | ug/L | | 9/28/2018 19:09 |
| 1,2,3-Trichlorobenzene | < 5.00 | ug/L | | 9/28/2018 19:09 |
| 1,2,4-Trichlorobenzene | < 5.00 | ug/L | | 9/28/2018 19:09 |
| 1,2,4-Trimethylbenzene | < 2.00 | ug/L | | 9/28/2018 19:09 |
| 1,2-Dibromo-3-Chloropropane | < 10.0 | ug/L | | 9/28/2018 19:09 |
| 1,2-Dibromoethane | < 2.00 | ug/L | | 9/28/2018 19:09 |
| 1,2-Dichlorobenzene | < 2.00 | ug/L | | 9/28/2018 19:09 |
| 1,2-Dichloroethane | < 2.00 | ug/L | | 9/28/2018 19:09 |
| 1,2-Dichloropropane | < 2.00 | ug/L | | 9/28/2018 19:09 |
| 1,3,5-Trimethylbenzene | < 2.00 | ug/L | | 9/28/2018 19:09 |
| 1,3-Dichlorobenzene | < 2.00 | ug/L | | 9/28/2018 19:09 |
| 1,4-Dichlorobenzene | < 2.00 | ug/L | | 9/28/2018 19:09 |
| 1,4-Dioxane | < 20.0 | ug/L | | 9/28/2018 19:09 |
| 2-Butanone | < 10.0 | ug/L | | 9/28/2018 19:09 |
| 2-Hexanone | < 5.00 | ug/L | | 9/28/2018 19:09 |
| 4-Methyl-2-pentanone | < 5.00 | ug/L | | 9/28/2018 19:09 |
| Acetone | < 10.0 | ug/L | | 9/28/2018 19:09 |
| Benzene | < 1.00 | ug/L | | 9/28/2018 19:09 |
| Bromochloromethane | < 5.00 | ug/L | | 9/28/2018 19:09 |
| Bromodichloromethane | < 2.00 | ug/L | | 9/28/2018 19:09 |
| Bromoform | < 5.00 | ug/L | | 9/28/2018 19:09 |
| Bromomethane | < 2.00 | ug/L | | 9/28/2018 19:09 |
| Carbon disulfide | 1.44 | ug/L | J | 9/28/2018 19:09 |

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Report Prepared Monday, October 8, 2018



Lab Project ID: 184392

Client: **BE3**

Project Reference: 31+150 Tonawanda St

Sample Identifier: 150-MW-2

Lab Sample ID: 184392-04

Date Sampled: 9/21/2018

Matrix: Groundwater

Date Received: 9/24/2018

| | | | |
|---------------------------|--------|------|-----------------|
| Carbon Tetrachloride | < 2.00 | ug/L | 9/28/2018 19:09 |
| Chlorobenzene | < 2.00 | ug/L | 9/28/2018 19:09 |
| Chloroethane | < 2.00 | ug/L | 9/28/2018 19:09 |
| Chloroform | < 2.00 | ug/L | 9/28/2018 19:09 |
| Chloromethane | < 2.00 | ug/L | 9/28/2018 19:09 |
| cis-1,2-Dichloroethene | < 2.00 | ug/L | 9/28/2018 19:09 |
| cis-1,3-Dichloropropene | < 2.00 | ug/L | 9/28/2018 19:09 |
| Cyclohexane | < 10.0 | ug/L | 9/28/2018 19:09 |
| Dibromochloromethane | < 2.00 | ug/L | 9/28/2018 19:09 |
| Dichlorodifluoromethane | < 2.00 | ug/L | 9/28/2018 19:09 |
| Ethylbenzene | < 2.00 | ug/L | 9/28/2018 19:09 |
| Freon 113 | < 2.00 | ug/L | 9/28/2018 19:09 |
| Isopropylbenzene | < 2.00 | ug/L | 9/28/2018 19:09 |
| m,p-Xylene | < 2.00 | ug/L | 9/28/2018 19:09 |
| Methyl acetate | < 2.00 | ug/L | 9/28/2018 19:09 |
| Methyl tert-butyl Ether | < 2.00 | ug/L | 9/28/2018 19:09 |
| Methylcyclohexane | < 2.00 | ug/L | 9/28/2018 19:09 |
| Methylene chloride | < 5.00 | ug/L | 9/28/2018 19:09 |
| Naphthalene | < 5.00 | ug/L | 9/28/2018 19:09 |
| n-Butylbenzene | < 2.00 | ug/L | 9/28/2018 19:09 |
| n-Propylbenzene | < 2.00 | ug/L | 9/28/2018 19:09 |
| o-Xylene | < 2.00 | ug/L | 9/28/2018 19:09 |
| p-Isopropyltoluene | < 2.00 | ug/L | 9/28/2018 19:09 |
| sec-Butylbenzene | < 2.00 | ug/L | 9/28/2018 19:09 |
| Styrene | < 5.00 | ug/L | 9/28/2018 19:09 |
| tert-Butylbenzene | < 2.00 | ug/L | 9/28/2018 19:09 |
| Tetrachloroethene | < 2.00 | ug/L | 9/28/2018 19:09 |
| Toluene | < 2.00 | ug/L | 9/28/2018 19:09 |
| trans-1,2-Dichloroethene | < 2.00 | ug/L | 9/28/2018 19:09 |
| trans-1,3-Dichloropropene | < 2.00 | ug/L | 9/28/2018 19:09 |

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Report Prepared Monday, October 8, 2018



Lab Project ID: 184392

Client: **BE3**

Project Reference: 31+150 Tonawanda St

Sample Identifier: 150-MW-2

Lab Sample ID: 184392-04

Date Sampled: 9/21/2018

Matrix: Groundwater

Date Received: 9/24/2018

| | | | | |
|------------------------|--------|------|-----------|-------|
| Trichloroethene | < 2.00 | ug/L | 9/28/2018 | 19:09 |
| Trichlorofluoromethane | < 2.00 | ug/L | 9/28/2018 | 19:09 |
| Vinyl chloride | < 2.00 | ug/L | 9/28/2018 | 19:09 |

| Surrogate | Percent Recovery | Limits | Outliers | Date Analyzed |
|-----------------------|-------------------------|---------------|-----------------|----------------------|
| 1,2-Dichloroethane-d4 | 113 | 80.7 - 121 | | 9/28/2018 19:09 |
| 4-Bromofluorobenzene | 85.5 | 74.3 - 121 | | 9/28/2018 19:09 |
| Pentafluorobenzene | 88.4 | 86.2 - 111 | | 9/28/2018 19:09 |
| Toluene-D8 | 86.7 | 86.2 - 112 | | 9/28/2018 19:09 |

Method Reference(s): EPA 8260C

EPA 5030C

Data File: x54645.D

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Report Prepared Monday, October 8, 2018



Lab Project ID: 184392

Client: **BE3**

Project Reference: 31+150 Tonawanda St

Sample Identifier: 150-MW-2

Lab Sample ID: 184392-04

Matrix: Groundwater

Date Sampled: 9/21/2018

Date Received: 9/24/2018

Total Cyanide

| <u>Analyte</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|----------------------|----------------|--------------|------------------|----------------------|
| Cyanide, Total | < 0.0100 | mg/L | | 9/25/2018 |
| Method Reference(s): | SM22 4500 CN E | | | |
| Preparation Date: | 9/25/2018 | | | |

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Report Prepared Monday, October 8, 2018



Lab Project ID: 184392

Client: **BE3**

Project Reference: 31+150 Tonawanda St

Sample Identifier: 150-MW-4

Lab Sample ID: 184392-01

Date Sampled: 9/21/2018

Matrix: Groundwater

Date Received: 9/24/2018

Volatile Tentatively Identified Compounds

| <u>Tentatively Identified Compound</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|---|----------------------|---------------------|-------------------------|-----------------------------|
| None Found | < 5.00 | ug/L | | 9/28/2018 |
| Total Reported TICS | < 5.00 | ug/L | | 9/28/2018 |
| Method Reference(s): | EPA 8260C | | | |
| | EPA 5030C | | | |

Tentatively Identified Compound results are estimated values, based on Internal Standard response factors.

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Report Prepared Monday, October 8, 2018



Lab Project ID: 184392

Client: **BE3**

Project Reference: 31+150 Tonawanda St

Sample Identifier: 150-MW-1

Lab Sample ID: 184392-02

Date Sampled: 9/21/2018

Matrix: Groundwater

Date Received: 9/24/2018

Volatile Tentatively Identified Compounds

| <u>Tentatively Identified Compound</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|---|----------------------|---------------------|-------------------------|-----------------------------|
| None Found | < 5.00 | ug/L | | 9/28/2018 |
| Total Reported TICS | < 5.00 | ug/L | | 9/28/2018 |
| Method Reference(s): | EPA 8260C | | | |
| | EPA 5030C | | | |

Tentatively Identified Compound results are estimated values, based on Internal Standard response factors.

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Report Prepared Monday, October 8, 2018



Lab Project ID: 184392

Client: **BE3**

Project Reference: 31+150 Tonawanda St

Sample Identifier: 150-MW-3

Lab Sample ID: 184392-03

Date Sampled: 9/21/2018

Matrix: Groundwater

Date Received: 9/24/2018

Volatile Tentatively Identified Compounds

| <u>Tentatively Identified Compound</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|---|----------------------|---------------------|-------------------------|-----------------------------|
| None Found | < 5.00 | ug/L | | 9/28/2018 |
| Total Reported TICS | < 5.00 | ug/L | | 9/28/2018 |
| Method Reference(s): | EPA 8260C | | | |
| | EPA 5030C | | | |

Tentatively Identified Compound results are estimated values, based on Internal Standard response factors.

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Report Prepared Monday, October 8, 2018



Lab Project ID: 184392

Client: BE3

Project Reference: 31+150 Tonawanda St

Sample Identifier: 150-MW-2

Lab Sample ID: 184392-04

Date Sampled: 9/21/2018

Matrix: Groundwater

Date Received: 9/24/2018

Volatile Tentatively Identified Compounds

| <u>Tentatively Identified Compound</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|---|----------------------|---------------------|-------------------------|-----------------------------|
| None Found | < 5.00 | ug/L | | 9/28/2018 |
| Total Reported TICS | < 5.00 | ug/L | | 9/28/2018 |
| Method Reference(s): | EPA 8260C | | | |
| | EPA 5030C | | | |

Tentatively Identified Compound results are estimated values, based on Internal Standard response factors.

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Report Prepared Monday, October 8, 2018



Analytical Report Appendix

The reported results relate only to the samples as they have been received by the laboratory.

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All soil/sludge samples have been reported on a dry weight basis, unless qualified "reported as received". Other solids are reported as received.

Low level Volatiles blank reports for soil/solid matrix are based on a nominal 5 gram weight. Sample results and reporting limits are based on actual weight, which may be more or less than 5 grams.

The Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt. Sample condition requirements are defined under the 2003 NELAC Standard, sections 5.5.8.3.1 and 5.5.8.3.2.

NYSDOH ELAP does not certify for all parameters. Paradigm Environmental Services or the indicated subcontracted laboratory does hold certification for all analytes where certification is offered by ELAP unless otherwise specified. Aliquots separated for certain tests, such as TCLP, are indicated on the Chain of Custody and final reports with an "A" suffix.

Data qualifiers are used, when necessary, to provide additional information about the data. This information may be communicated as a flag or as text at the bottom of the report. Please refer to the following list of analyte-specific, frequently used data flags and their meaning:

"<" = Analyzed for but not detected at or above the quantitation limit.

"E" = Result has been estimated, calibration limit exceeded.

"Z" = See case narrative.

"D" = Sample, Laboratory Control Sample, or Matrix Spike Duplicate results above Relative Percent Difference limit.

"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.

"B" = Method blank contained trace levels of analyte. Refer to included method blank report.

"J" = Result estimated between the quantitation limit and half the quantitation limit.

"L" = Laboratory Control Sample recovery outside accepted QC limits.

"P" = Concentration differs by more than 40% between the primary and secondary analytical columns.

"NC" = Not calculable. Applicable to RPD if sample or duplicate result is non-detect or estimated (see primary report for data flags). Applicable to MS if sample is greater or equal to ten times the spike added. Applicable to sample surrogates or MS if sample dilution is 10x or higher.

"" = Indicates any recoveries outside associated acceptance windows. Surrogate outliers in samples are presumed matrix effects. LCS demonstrates method compliance unless otherwise noted.*

"(1)" = Indicates data from primary column used for QC calculation.

"A" = denotes a parameter for which ELAP does not offer approval as part of their laboratory certification program.

"F" = denotes a parameter for which Paradigm does not carry certification, the results for which should therefore only be used where ELAP certification is not required, such as personal exposure assessment.

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Thursday, April 26, 2018

GENERAL TERMS AND CONDITIONS

LABORATORY SERVICES

These Terms and Conditions embody the whole agreement of the parties in the absence of a signed and executed contract between the Laboratory (LAB) and Client. They shall supersede all previous communications, representations, or agreements, either verbal or written, between the parties. The LAB specifically rejects all additional, inconsistent, or conflicting terms, whether printed or otherwise set forth in any purchase order or other communication from the Client to the LAB. The invalidity or unenforceability in whole or in part of any provision, term or condition hereof shall not affect in any way the validity or enforceability of the remainder of the Terms and Conditions. No waiver by LAB of any provision, term, or condition hereof or of any breach by or obligation of the Client hereunder shall constitute a waiver of such provision, term, or condition on any other occasion or a waiver of any other breach by or obligation of the Client. This agreement shall be administered and interpreted under the laws of the state which services are procured.

Warranty.

Recognizing that the nature of many samples is unknown and that some may contain potentially hazardous components, LAB warrants only that it will perform testing services, obtain findings, and prepare reports in accordance with generally accepted analytical laboratory principles and practices at the time of performance of services. LAB makes no other warranty, express or implied.

Scope and Compensation.

LAB agrees to perform the services described in the chain of custody to which these terms and conditions are attached. Unless the parties agree in writing to the contrary, the duties of LAB shall not be construed to exceed the services specifically described. LAB will use LAB default method for all tests unless specified otherwise on the Work Order.

Payment terms are net 30 days from the date of invoice. All overdue payments are subject to an interest charge of one and one-half percent (1-1/2%) per month or a portion thereof. Client shall also be responsible for costs of collection, including payment of reasonable attorney fees if such expense is incurred. The prices, unless stated, do not include any sale, use or other taxes. Such taxes will be added to invoice prices when required.

Prices.

Compensation for services performed will be based on the current Lab Analytical Fee Schedule or on quotations agreed to in writing by the parties. Turnaround time based charges are determined from the time of resolution of all work order questions. Testimony, court appearances or data compilation for legal action will be charged separately. Evaluation and reporting of initial screening runs may incur additional fees.

Limitations of Liability.

In the event of any error, omission, or other professional negligence, the sole and exclusive responsibility of LAB shall be to re-perform the deficient work at its own expense and LAB shall have no other liability whatsoever. All claims shall be deemed waived unless made in writing and received by LAB within ninety (90) days following completion of services.

LAB shall have no liability, obligation, or responsibility of any kind for losses, costs, expenses, or other damages (including but not limited to any special, direct, incidental or consequential damages) with respect to LAB's services or results.

All results provided by LAB are strictly for the use of its clients and LAB is in no way responsible for the use of such results by clients or third parties. All reports should be considered in their entirety, and LAB is not responsible for the separation, detachment, or other use of any portion of these reports. Client may not assign the lab report without the written consent of the LAB.

Client covenants and agrees, at its/his/her sole expense, to indemnify, protect, defend, and save harmless the LAB from and against any and all damages, losses, liabilities, obligations, penalties, claims, litigation, demands, defenses, judgments, suits, actions, proceedings, costs, disbursements and/or expenses (including, without limitation attorneys' and experts' fees and disbursements) of any kind whatsoever which may at any time be imposed upon, incurred by or asserted or awarded against client relating to, resulting from or arising out of (a) the breach of this agreement by this client, (b) the negligence of the client in handling, delivering or disclosing any hazardous substance, (c) the violation of the Client of any applicable law, (d) non-compliance by the Client with any environmental permit or (e) a material misrepresentation in disclosing the materials to be tested.

Hazard Disclosure.

Client represents and warrants that any sample delivered to LAB will be preceded or accompanied by complete written disclosure of the presence of any hazardous substances known or suspected by Client. Client further warrants that any sample containing any hazardous substance that is to be delivered to LAB will be packaged, labeled, transported, and delivered properly and in accordance with applicable laws.

Sample Handling.

Prior to LAB's acceptance of any sample (or after any revocation of acceptance), the entire risk of loss or of damage to such sample remains with Client. Samples are accepted when receipt is acknowledged on chain of custody documentation. In no event will LAB have any responsibility for the action or inaction of any carrier shipping or delivering any sample to or from LAB premises.

Client authorizes LAB to proceed with the analysis of samples as received by the laboratory, recognizing that any samples not in compliance with all current DOH-ELAP-NELAP requirements for containers, preservation or holding time will be noted as such on the final report.

Disposal of hazardous waste samples is the responsibility of the Client. If the Client does not wish such samples returned, LAB may add storage and disposal fees to the final invoice. Maximum storage time for samples is 30 days after completion of analysis unless modified by applicable state or federal laws. Client will be required to give the LAB written instructions concerning disposal of these samples.

LAB reserves the absolute right, exercisable at any time, to refuse to receive delivery of, refuse to accept, or revoke acceptance of any sample, which, in the sole judgment of LAB (a) is of unsuitable volume, (b) may be or become unsuitable for or may pose a risk in handling, transport, or processing for any health, safety, environmental or other reason whether or not due to the presence in the sample of any hazardous substance, and whether or not such presence has been disclosed to LAB by Client or (c) if the condition or sample date make the sample unsuitable for analysis.

Legal Responsibility.

LAB is solely responsible for performance of this contract, and no affiliated company, director, officer, employee, or agent shall have any legal responsibility hereunder, whether in contract or tort including negligence.

Assignment.

LAB may assign its performance obligations under this contract to other parties, as it deems necessary. LAB shall disclose to Client any assignee (subcontractor) by ELAP ID # on the submitted final report.

Force Majeure.

LAB shall have no responsibility or liability to the Client for any failure or delay in performance by LAB, which results in whole or in part from any cause or circumstance beyond the reasonable control of LAB. Such causes and circumstances shall include, but not limited to, acts of God, acts or orders of any government authority, strikes or other labor disputes, natural disasters, accidents, wars, civil disturbances, difficulties or delays in transportation, mail or delivery services, inability to obtain sufficient services or supplies from LAB's usual suppliers, or any other cause beyond LAB's reasonable control.

Law.

This contract shall be continued under the laws of the State of New York without regard to its conflicts of laws provision.

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Thursday, April 26, 2018

PARADIGM

| | |
|---|--|
| LAB PROJECT ID | 184392 |
| Quotation #: | |
| Email: adrevimen@b3corp.com | berry@b3corp.com |

| | |
|------------------------|--------------------------------------|
| Sub sent + directly to | Lat + 375 Parameters for all per JD. |
| Sub lab. GP 9/24/18 | |

Sampled By Alex Brumma Date/Time 09/21/18 Total Cost:
 Relinquished By [Signature] Date/Time 09/21/18 1611
 Received By [Signature] Date/Time 09/21/18 1611 P.L.F. ☐
 Received @ Lab By [Signature] Date/Time 9/24/18 16:29 ☐
 Handed 9/24/18 12:46
 By signing this form, client agrees to Paradigm Terms and Conditions (reverse).
 See additional page for sample conditions



2 of 2

Chain of Custody Supplement

Client:

BE3

Completed by:

Glenn Pezzullo

Lab Project ID:

184392

Date:

9/24/18

Sample Condition Requirements

Per NELAC/ELAP 210/241/242/243/244

| Condition | NELAC compliance with the sample condition requirements upon receipt | | |
|--|--|--------------------------|--|
| | Yes | No | N/A |
| Container Type | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Comments | | | |
| Transferred to method-compliant container | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Headspace (<1 mL) | <input checked="" type="checkbox"/> v.o.A. | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Comments | | | |
| Preservation | <input checked="" type="checkbox"/> v.o.A. metals TCN | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Comments | | | |
| Chlorine Absent (<0.10 ppm per test strip) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Comments | | | |
| Holding Time | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Comments | | | |
| Temperature | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> metals |
| Comments | 4°C iced 9/24/18 12:46 | | |
| Sufficient Sample Quantity | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Comments | | | |



ANALYTICAL REPORT

| | |
|-----------------|---|
| Lab Number: | L1838016 |
| Client: | Paradigm Environmental Services 179 Lake Avenue Rochester, NY 14608 |
| ATTN: | Jane Daloia |
| Phone: | (585) 647-2530 |
| Project Name: | 31-150 TONAWANDA ST |
| Project Number: | 31-150 TONAWANDA ST |
| Report Date: | 10/05/18 |

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

320 Forbes Boulevard, Mansfield, MA 02048-1806
508-822-9300 (Fax) 508-822-3288 800-624-9220 - www.alphalab.com



Project Name: 31-150 TONAWANDA ST
Project Number: 31-150 TONAWANDA ST

Lab Number: L1838016
Report Date: 10/05/18

| Alpha Sample ID | Client ID | Matrix | Sample Location | Collection Date/Time | Receive Date |
|----------------------------|------------------|---------------|----------------------------|---------------------------------|---------------------|
| L1838016-01 | 150-MW-4 | WATER | Not Specified | 09/21/18 11:00 | 09/21/18 |
| L1838016-02 | 150-MW-1 | WATER | Not Specified | 09/21/18 12:50 | 09/21/18 |
| L1838016-03 | 150-MW-3 | WATER | Not Specified | 09/21/18 14:15 | 09/21/18 |
| L1838016-05 | FIELD BLANK | WATER | Not Specified | | 09/21/18 |

Project Name: 31-150 TONAWANDA ST
Project Number: 31-150 TONAWANDA ST

Lab Number: L1838016
Report Date: 10/05/18

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

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

HOLD POLICY

For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

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

Project Name: 31-150 TONAWANDA ST
Project Number: 31-150 TONAWANDA ST

Lab Number: L1838016
Report Date: 10/05/18

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Sample Receipt

L1838016-05: A sample identified as "FIELD BLANK" was received but not listed on the Chain of Custody. At the client's request, this sample was not analyzed.

Perfluorinated Alkyl Acids by Isotope Dilution

The WG1161455-2 LCS recoveries, associated with L1838016-01 through -03, are above the acceptance criteria for n-methyl perfluorooctanesulfonamidoacetic acid (nmefosaa) (189%) and n-ethyl perfluorooctanesulfonamidoacetic acid (netfosaa) (171%); however, the associated samples are non-detect to the RL for this target analyte. The results of the original analysis are reported.

The WG1161455-2/-3 LCS/LCSD RPD(s), associated with L1838016-01 through -03, are above the acceptance criteria for n-methyl perfluorooctanesulfonamidoacetic acid (nmefosaa) (51%) and n-ethyl perfluorooctanesulfonamidoacetic acid (netfosaa) (35%).

WG1164294-1: The continuing calibration standard, associated with L1838016 as well as the associated QC, had the response for Perfluorohexanesulfonic Acid-Branched (br-PFHxS) (47.8%D) outside the acceptance criteria for the method, however the response for Perfluorohexanesulfonic Acid-Total (PFHxS) (75%D) was within acceptance criteria, therefore no further action was taken.

WG1164294-1: The continuing calibration standard, associated with L1838016 as well as the associated QC, had the response for 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS) (22%D) outside the acceptance criteria for the method. This value represents less than 10% of all compounds, therefore the calibration was accepted.

WG1164294-2: The continuing calibration standard, associated with L1838016 as well as the associated QC, had the response for the extracted internal standard Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS) (157.6%D) above the acceptance criteria for the method. The associated target analytes were within acceptance criteria, therefore no further action was taken.

Project Name: 31-150 TONAWANDA ST
Project Number: 31-150 TONAWANDA ST

Lab Number: L1838016
Report Date: 10/05/18

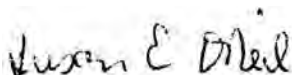
Case Narrative (continued)

WG1164294-2: The continuing calibration standard, associated with L1838016 as well as the associated QC, had the response for N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA) (142.1%D) above the acceptance criteria for the method. The associated samples were non-detect, therefore no further action was taken.

WG1164294-1: The continuing calibration standard, associated with L1838016 as well as the associated QC, had the response for N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA) (165.1%D), Perfluorodecanesulfonic Acid (PFDS) (151.7%D), N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA) (234.2%D) above the acceptance criteria for the method. The associated samples were non-detect, therefore no further action was taken.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:



Susan O'Neil

Title: Technical Director/Representative

Date: 10/05/18

ORGANICS

SEMIVOLATILES

Project Name: 31-150 TONAWANDA ST
Project Number: 31-150 TONAWANDA ST

Lab Number: L1838016
Report Date: 10/05/18

SAMPLE RESULTS

Lab ID: L1838016-01
 Client ID: 150-MW-4
 Sample Location: Not Specified

Date Collected: 09/21/18 11:00
 Date Received: 09/21/18
 Field Prep: Not Specified

Sample Depth:
 Matrix: Water
 Analytical Method: 1,8270D-SIM
 Analytical Date: 10/03/18 13:03
 Analyst: PS

Extraction Method: EPA 3510C
 Extraction Date: 09/28/18 08:30

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|--|------------|-----------|-----------|---------------------|------|-----------------|
| 1,4 Dioxane by 8270D-SIM - Mansfield Lab | | | | | | |
| 1,4-Dioxane | ND | | ng/l | 161 | 80.6 | 1 |
| Surrogate | % Recovery | | Qualifier | Acceptance Criteria | | |
| 1,4-Dioxane-d8 | 21 | | | 15-110 | | |

Project Name: 31-150 TONAWANDA ST**Lab Number:** L1838016**Project Number:** 31-150 TONAWANDA ST**Report Date:** 10/05/18**SAMPLE RESULTS**

Lab ID: L1838016-01

Date Collected: 09/21/18 11:00

Client ID: 150-MW-4

Date Received: 09/21/18

Sample Location: Not Specified

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Extraction Method: EPA 537

Analytical Method: 122,537(M)

Extraction Date: 09/27/18 08:34

Analytical Date: 10/04/18 19:41

Analyst: AJ

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|--|--------|-----------|-------|------|-------|-----------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab | | | | | | |
| Perfluorobutanoic Acid (PFBA) | ND | | ng/l | 1.82 | 0.120 | 1 |
| Perfluoropentanoic Acid (PFPeA) | ND | | ng/l | 1.82 | 0.078 | 1 |
| Perfluorobutanesulfonic Acid (PFBS) | ND | | ng/l | 1.82 | 0.100 | 1 |
| Perfluorohexanoic Acid (PFHxA) | ND | | ng/l | 1.82 | 0.115 | 1 |
| Perfluoroheptanoic Acid (PFHpA) | ND | | ng/l | 1.82 | 0.084 | 1 |
| Perfluorohexanesulfonic Acid (PFHxS) | ND | | ng/l | 1.82 | 0.098 | 1 |
| Perfluorooctanoic Acid (PFOA) | 2.17 | | ng/l | 1.82 | 0.046 | 1 |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS) | 1.64 | J | ng/l | 1.82 | 0.177 | 1 |
| Perfluoroheptanesulfonic Acid (PFHpS) | ND | | ng/l | 1.82 | 0.142 | 1 |
| Perfluorononanoic Acid (PFNA) | 0.949 | J | ng/l | 1.82 | 0.092 | 1 |
| Perfluorooctanesulfonic Acid (PFOS) | ND | | ng/l | 1.82 | 0.102 | 1 |
| Perfluorodecanoic Acid (PFDA) | ND | | ng/l | 1.82 | 0.174 | 1 |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS) | ND | | ng/l | 1.82 | 0.265 | 1 |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA) | ND | | ng/l | 1.82 | 0.228 | 1 |
| Perfluoroundecanoic Acid (PFUnA) | ND | | ng/l | 1.82 | 0.174 | 1 |
| Perfluorodecanesulfonic Acid (PFDS) | ND | | ng/l | 1.82 | 0.203 | 1 |
| Perfluorooctanesulfonamide (FOSA) | ND | | ng/l | 1.82 | 0.207 | 1 |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA) | ND | | ng/l | 1.82 | 0.340 | 1 |
| Perfluorododecanoic Acid (PFDoA) | ND | | ng/l | 1.82 | 0.084 | 1 |
| Perfluorotridecanoic Acid (PFTrDA) | ND | | ng/l | 1.82 | 0.083 | 1 |
| Perfluorotetradecanoic Acid (PFTA) | ND | | ng/l | 1.82 | 0.066 | 1 |

Project Name: 31-150 TONAWANDA ST**Lab Number:** L1838016**Project Number:** 31-150 TONAWANDA ST**Report Date:** 10/05/18**SAMPLE RESULTS****Lab ID:** L1838016-01**Date Collected:** 09/21/18 11:00**Client ID:** 150-MW-4**Date Received:** 09/21/18**Sample Location:** Not Specified**Field Prep:** Not Specified**Sample Depth:**

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|--|--------|-----------|-------|----|-----|-----------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab | | | | | | |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|--|------------|-----------|---------------------|
| Perfluoro[13C4]Butanoic Acid (MPFBA) | 73 | | 2-156 |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA) | 63 | | 16-173 |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS) | 105 | | 31-159 |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA) | 85 | | 21-145 |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA) | 81 | | 30-139 |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS) | 89 | | 47-153 |
| Perfluoro[13C8]Octanoic Acid (M8PFOA) | 72 | | 36-149 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS) | 80 | | 1-244 |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA) | 66 | | 34-146 |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS) | 97 | | 42-146 |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA) | 70 | | 38-144 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS) | 64 | | 7-170 |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 40 | | 1-181 |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA) | 61 | | 40-144 |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA) | 13 | | 1-87 |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA) | 49 | | 23-146 |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA) | 53 | | 24-161 |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA) | 42 | | 33-143 |

Project Name: 31-150 TONAWANDA ST
Project Number: 31-150 TONAWANDA ST

Lab Number: L1838016
Report Date: 10/05/18

SAMPLE RESULTS

Lab ID: L1838016-02
 Client ID: 150-MW-1
 Sample Location: Not Specified

Date Collected: 09/21/18 12:50
 Date Received: 09/21/18
 Field Prep: Not Specified

Sample Depth:
 Matrix: Water
 Analytical Method: 1,8270D-SIM
 Analytical Date: 10/03/18 14:50
 Analyst: PS

Extraction Method: EPA 3510C
 Extraction Date: 09/28/18 08:30

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|--|------------|-----------|-----------|---------------------|------|-----------------|
| 1,4 Dioxane by 8270D-SIM - Mansfield Lab | | | | | | |
| 1,4-Dioxane | ND | | ng/l | 167 | 83.3 | 1 |
| Surrogate | % Recovery | | Qualifier | Acceptance Criteria | | |
| 1,4-Dioxane-d8 | 21 | | | 15-110 | | |

Project Name: 31-150 TONAWANDA ST**Lab Number:** L1838016**Project Number:** 31-150 TONAWANDA ST**Report Date:** 10/05/18**SAMPLE RESULTS**

Lab ID: L1838016-02

Date Collected: 09/21/18 12:50

Client ID: 150-MW-1

Date Received: 09/21/18

Sample Location: Not Specified

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Extraction Method: EPA 537

Analytical Method: 122,537(M)

Extraction Date: 09/27/18 08:35

Analytical Date: 10/04/18 19:58

Analyst: AJ

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|--|--------|-----------|-------|------|-------|-----------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab | | | | | | |
| Perfluorobutanoic Acid (PFBA) | 7.88 | | ng/l | 1.94 | 0.128 | 1 |
| Perfluoropentanoic Acid (PFPeA) | ND | | ng/l | 1.94 | 0.083 | 1 |
| Perfluorobutanesulfonic Acid (PFBS) | ND | | ng/l | 1.94 | 0.107 | 1 |
| Perfluorohexanoic Acid (PFHxA) | ND | | ng/l | 1.94 | 0.123 | 1 |
| Perfluoroheptanoic Acid (PFHpA) | ND | | ng/l | 1.94 | 0.090 | 1 |
| Perfluorohexanesulfonic Acid (PFHxS) | 0.467 | J | ng/l | 1.94 | 0.105 | 1 |
| Perfluorooctanoic Acid (PFOA) | 1.18 | J | ng/l | 1.94 | 0.049 | 1 |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS) | 3.38 | | ng/l | 1.94 | 0.189 | 1 |
| Perfluoroheptanesulfonic Acid (PFHpS) | ND | | ng/l | 1.94 | 0.151 | 1 |
| Perfluorononanoic Acid (PFNA) | 0.895 | J | ng/l | 1.94 | 0.098 | 1 |
| Perfluorooctanesulfonic Acid (PFOS) | 0.370 | J | ng/l | 1.94 | 0.108 | 1 |
| Perfluorodecanoic Acid (PFDA) | ND | | ng/l | 1.94 | 0.185 | 1 |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS) | ND | | ng/l | 1.94 | 0.283 | 1 |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA) | ND | | ng/l | 1.94 | 0.244 | 1 |
| Perfluoroundecanoic Acid (PFUnA) | ND | | ng/l | 1.94 | 0.186 | 1 |
| Perfluorodecanesulfonic Acid (PFDS) | ND | | ng/l | 1.94 | 0.216 | 1 |
| Perfluorooctanesulfonamide (FOSA) | ND | | ng/l | 1.94 | 0.221 | 1 |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA) | ND | | ng/l | 1.94 | 0.363 | 1 |
| Perfluorododecanoic Acid (PFDoA) | ND | | ng/l | 1.94 | 0.089 | 1 |
| Perfluorotridecanoic Acid (PFTrDA) | ND | | ng/l | 1.94 | 0.088 | 1 |
| Perfluorotetradecanoic Acid (PFTA) | ND | | ng/l | 1.94 | 0.070 | 1 |

Project Name: 31-150 TONAWANDA ST**Lab Number:** L1838016**Project Number:** 31-150 TONAWANDA ST**Report Date:** 10/05/18**SAMPLE RESULTS**

Lab ID: L1838016-02

Date Collected: 09/21/18 12:50

Client ID: 150-MW-1

Date Received: 09/21/18

Sample Location: Not Specified

Field Prep: Not Specified

Sample Depth:

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|--|--------|-----------|-------|----|-----|-----------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab | | | | | | |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|--|------------|-----------|---------------------|
| Perfluoro[13C4]Butanoic Acid (MPFBA) | 70 | | 2-156 |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA) | 58 | | 16-173 |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS) | 94 | | 31-159 |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA) | 82 | | 21-145 |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA) | 80 | | 30-139 |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS) | 81 | | 47-153 |
| Perfluoro[13C8]Octanoic Acid (M8PFOA) | 67 | | 36-149 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS) | 99 | | 1-244 |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA) | 61 | | 34-146 |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS) | 80 | | 42-146 |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA) | 68 | | 38-144 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS) | 103 | | 7-170 |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 36 | | 1-181 |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA) | 62 | | 40-144 |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA) | 29 | | 1-87 |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA) | 42 | | 23-146 |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA) | 49 | | 24-161 |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA) | 36 | | 33-143 |

Project Name: 31-150 TONAWANDA ST
Project Number: 31-150 TONAWANDA ST

Lab Number: L1838016
Report Date: 10/05/18

SAMPLE RESULTS

Lab ID: L1838016-03
 Client ID: 150-MW-3
 Sample Location: Not Specified

Date Collected: 09/21/18 14:15
 Date Received: 09/21/18
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8270D-SIM
 Analytical Date: 10/03/18 15:18
 Analyst: PS

Extraction Method: EPA 3510C
 Extraction Date: 09/28/18 08:30

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|--|------------|-----------|-----------|---------------------|------|-----------------|
| 1,4 Dioxane by 8270D-SIM - Mansfield Lab | | | | | | |
| 1,4-Dioxane | ND | | ng/l | 174 | 87.2 | 1 |
| Surrogate | % Recovery | | Qualifier | Acceptance Criteria | | |
| 1,4-Dioxane-d8 | 20 | | | 15-110 | | |

Project Name: 31-150 TONAWANDA ST**Lab Number:** L1838016**Project Number:** 31-150 TONAWANDA ST**Report Date:** 10/05/18**SAMPLE RESULTS**

Lab ID: L1838016-03

Date Collected: 09/21/18 14:15

Client ID: 150-MW-3

Date Received: 09/21/18

Sample Location: Not Specified

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Extraction Method: EPA 537

Analytical Method: 122,537(M)

Extraction Date: 09/27/18 08:35

Analytical Date: 10/04/18 20:15

Analyst: AJ

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|--|--------|-----------|-------|------|-------|-----------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab | | | | | | |
| Perfluorobutanoic Acid (PFBA) | ND | | ng/l | 1.97 | 0.129 | 1 |
| Perfluoropentanoic Acid (PFPeA) | ND | | ng/l | 1.97 | 0.084 | 1 |
| Perfluorobutanesulfonic Acid (PFBS) | ND | | ng/l | 1.97 | 0.108 | 1 |
| Perfluorohexanoic Acid (PFHxA) | ND | | ng/l | 1.97 | 0.124 | 1 |
| Perfluoroheptanoic Acid (PFHpA) | ND | | ng/l | 1.97 | 0.091 | 1 |
| Perfluorohexanesulfonic Acid (PFHxS) | ND | | ng/l | 1.97 | 0.106 | 1 |
| Perfluorooctanoic Acid (PFOA) | 0.689 | J | ng/l | 1.97 | 0.050 | 1 |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS) | 1.46 | J | ng/l | 1.97 | 0.191 | 1 |
| Perfluoroheptanesulfonic Acid (PFHpS) | ND | | ng/l | 1.97 | 0.153 | 1 |
| Perfluorononanoic Acid (PFNA) | 0.189 | J | ng/l | 1.97 | 0.099 | 1 |
| Perfluorooctanesulfonic Acid (PFOS) | ND | | ng/l | 1.97 | 0.110 | 1 |
| Perfluorodecanoic Acid (PFDA) | ND | | ng/l | 1.97 | 0.187 | 1 |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS) | ND | | ng/l | 1.97 | 0.286 | 1 |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA) | ND | | ng/l | 1.97 | 0.246 | 1 |
| Perfluoroundecanoic Acid (PFUnA) | ND | | ng/l | 1.97 | 0.188 | 1 |
| Perfluorodecanesulfonic Acid (PFDS) | ND | | ng/l | 1.97 | 0.219 | 1 |
| Perfluorooctanesulfonamide (FOSA) | ND | | ng/l | 1.97 | 0.223 | 1 |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA) | ND | | ng/l | 1.97 | 0.367 | 1 |
| Perfluorododecanoic Acid (PFDoA) | ND | | ng/l | 1.97 | 0.090 | 1 |
| Perfluorotridecanoic Acid (PFTrDA) | ND | | ng/l | 1.97 | 0.089 | 1 |
| Perfluorotetradecanoic Acid (PFTA) | ND | | ng/l | 1.97 | 0.071 | 1 |

Project Name: 31-150 TONAWANDA ST**Lab Number:** L1838016**Project Number:** 31-150 TONAWANDA ST**Report Date:** 10/05/18**SAMPLE RESULTS****Lab ID:** L1838016-03**Date Collected:** 09/21/18 14:15**Client ID:** 150-MW-3**Date Received:** 09/21/18**Sample Location:** Not Specified**Field Prep:** Not Specified**Sample Depth:**

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|--|--------|-----------|-------|----|-----|-----------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab | | | | | | |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|--|------------|-----------|---------------------|
| Perfluoro[13C4]Butanoic Acid (MPFBA) | 73 | | 2-156 |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA) | 58 | | 16-173 |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS) | 102 | | 31-159 |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA) | 93 | | 21-145 |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA) | 79 | | 30-139 |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS) | 95 | | 47-153 |
| Perfluoro[13C8]Octanoic Acid (M8PFOA) | 71 | | 36-149 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS) | 82 | | 1-244 |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA) | 66 | | 34-146 |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS) | 95 | | 42-146 |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA) | 72 | | 38-144 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS) | 81 | | 7-170 |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 35 | | 1-181 |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA) | 65 | | 40-144 |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA) | 37 | | 1-87 |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA) | 45 | | 23-146 |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA) | 52 | | 24-161 |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA) | 37 | | 33-143 |

Project Name: 31-150 TONAWANDA ST

Lab Number: L1838016

Project Number: 31-150 TONAWANDA ST

Report Date: 10/05/18

Method Blank Analysis Batch Quality Control

Analytical Method: 122,537(M)
 Analytical Date: 10/04/18 18:52
 Analyst: AJ

Extraction Method: EPA 537
 Extraction Date: 09/27/18 08:34

| Parameter | Result | Qualifier | Units | RL | MDL |
|--|--------|-----------|-------|------|-------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01-03 Batch: WG1161455-1 | | | | | |
| Perfluorobutanoic Acid (PFBA) | ND | | ng/l | 2.00 | 0.131 |
| Perfluoropentanoic Acid (PFPeA) | ND | | ng/l | 2.00 | 0.086 |
| Perfluorobutanesulfonic Acid (PFBS) | ND | | ng/l | 2.00 | 0.110 |
| Perfluorohexanoic Acid (PFHxA) | ND | | ng/l | 2.00 | 0.126 |
| Perfluoroheptanoic Acid (PFHpA) | ND | | ng/l | 2.00 | 0.092 |
| Perfluorohexanesulfonic Acid (PFHxS) | ND | | ng/l | 2.00 | 0.108 |
| Perfluorooctanoic Acid (PFOA) | 0.252 | J | ng/l | 2.00 | 0.050 |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS) | ND | | ng/l | 2.00 | 0.194 |
| Perfluoroheptanesulfonic Acid (PFHpS) | ND | | ng/l | 2.00 | 0.155 |
| Perfluorononanoic Acid (PFNA) | ND | | ng/l | 2.00 | 0.101 |
| Perfluorooctanesulfonic Acid (PFOS) | ND | | ng/l | 2.00 | 0.112 |
| Perfluorodecanoic Acid (PFDA) | ND | | ng/l | 2.00 | 0.190 |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS) | ND | | ng/l | 2.00 | 0.291 |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA) | ND | | ng/l | 2.00 | 0.250 |
| Perfluoroundecanoic Acid (PFUnA) | ND | | ng/l | 2.00 | 0.191 |
| Perfluorodecanesulfonic Acid (PFDS) | ND | | ng/l | 2.00 | 0.222 |
| Perfluorooctanesulfonamide (FOSA) | ND | | ng/l | 2.00 | 0.227 |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA) | ND | | ng/l | 2.00 | 0.373 |
| Perfluorododecanoic Acid (PFDoA) | ND | | ng/l | 2.00 | 0.092 |
| Perfluorotridecanoic Acid (PFTrDA) | ND | | ng/l | 2.00 | 0.090 |
| Perfluorotetradecanoic Acid (PFTA) | ND | | ng/l | 2.00 | 0.072 |

Project Name: 31-150 TONAWANDA ST

Lab Number: L1838016

Project Number: 31-150 TONAWANDA ST

Report Date: 10/05/18

Method Blank Analysis Batch Quality Control

Analytical Method: 122,537(M)
 Analytical Date: 10/04/18 18:52
 Analyst: AJ

Extraction Method: EPA 537
 Extraction Date: 09/27/18 08:34

| Parameter | Result | Qualifier | Units | RL | MDL |
|--|--------|-----------|-------|----|-----|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01-03 Batch: WG1161455-1 | | | | | |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria |
|--|-----------|-----------|---------------------|
| Perfluoro[13C4]Butanoic Acid (MPFBA) | 87 | | 2-156 |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA) | 81 | | 16-173 |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS) | 135 | | 31-159 |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA) | 119 | | 21-145 |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA) | 106 | | 30-139 |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS) | 107 | | 47-153 |
| Perfluoro[13C8]Octanoic Acid (M8PFOA) | 84 | | 36-149 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS) | 68 | | 1-244 |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA) | 74 | | 34-146 |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS) | 96 | | 42-146 |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA) | 75 | | 38-144 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS) | 70 | | 7-170 |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 64 | | 1-181 |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA) | 71 | | 40-144 |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA) | 49 | | 1-87 |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA) | 64 | | 23-146 |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA) | 66 | | 24-161 |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA) | 52 | | 33-143 |

Project Name: 31-150 TONAWANDA ST**Lab Number:** L1838016**Project Number:** 31-150 TONAWANDA ST**Report Date:** 10/05/18**Method Blank Analysis**
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 10/03/18 11:24
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 09/28/18 08:30

| Parameter | Result | Qualifier | Units | RL | MDL |
|--|--------|-----------|-------|-----|------|
| 1,4 Dioxane by 8270D-SIM - Mansfield Lab for sample(s): 01-03 Batch: WG1161870-1 | | | | | |
| 1,4-Dioxane | ND | | ng/l | 150 | 75.0 |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria |
|----------------|-----------|-----------|------------------------|
| 1,4-Dioxane-d8 | 22 | | 15-110 |

Lab Control Sample Analysis

Batch Quality Control

Project Name: 31-150 TONAWANDA ST

Lab Number: L1838016

Project Number: 31-150 TONAWANDA ST

Report Date: 10/05/18

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-03 Batch: WG1161455-2 WG1161455-3 | | | | | | | | |
| Perfluorobutanoic Acid (PFBA) | 113 | | 115 | | 67-148 | 2 | | 30 |
| Perfluoropentanoic Acid (PFPeA) | 102 | | 102 | | 63-161 | 0 | | 30 |
| Perfluorobutanesulfonic Acid (PFBS) | 116 | | 120 | | 65-157 | 3 | | 30 |
| Perfluorohexanoic Acid (PFHxA) | 119 | | 116 | | 69-168 | 3 | | 30 |
| Perfluoroheptanoic Acid (PFHpA) | 112 | | 105 | | 58-159 | 6 | | 30 |
| Perfluorohexanesulfonic Acid (PFHxS) | 109 | | 121 | | 69-177 | 10 | | 30 |
| Perfluorooctanoic Acid (PFOA) | 101 | | 111 | | 63-159 | 9 | | 30 |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS) | 119 | | 110 | | 49-187 | 8 | | 30 |
| Perfluoroheptanesulfonic Acid (PFHpS) | 123 | | 116 | | 61-179 | 6 | | 30 |
| Perfluorononanoic Acid (PFNA) | 114 | | 103 | | 68-171 | 10 | | 30 |
| Perfluorooctanesulfonic Acid (PFOS) | 89 | | 78 | | 52-151 | 13 | | 30 |
| Perfluorodecanoic Acid (PFDA) | 106 | | 121 | | 63-171 | 13 | | 30 |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS) | 134 | | 100 | | 56-173 | 29 | | 30 |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA) | 189 | Q | 112 | | 60-166 | 51 | Q | 30 |
| Perfluoroundecanoic Acid (PFUnA) | 104 | | 111 | | 60-153 | 7 | | 30 |
| Perfluorodecanesulfonic Acid (PFDS) | 103 | | 111 | | 38-156 | 7 | | 30 |
| Perfluorooctanesulfonamide (FOSA) | 102 | | 94 | | 46-170 | 8 | | 30 |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA) | 171 | Q | 120 | | 45-170 | 35 | Q | 30 |
| Perfluorododecanoic Acid (PFDoA) | 111 | | 101 | | 67-153 | 9 | | 30 |
| Perfluorotridecanoic Acid (PFTrDA) | 82 | | 85 | | 48-158 | 4 | | 30 |
| Perfluorotetradecanoic Acid (PFTA) | 126 | | 128 | | 59-182 | 2 | | 30 |

Lab Control Sample Analysis

Batch Quality Control

Project Name: 31-150 TONAWANDA ST

Lab Number: L1838016

Project Number: 31-150 TONAWANDA ST

Report Date: 10/05/18

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-03 Batch: WG1161455-2 WG1161455-3 | | | | | | | | |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria |
|--|------------------|------|-------------------|------|------------------------|
| Perfluoro[13C4]Butanoic Acid (MPFBA) | 83 | | 79 | | 2-156 |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA) | 77 | | 74 | | 16-173 |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS) | 136 | | 112 | | 31-159 |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA) | 114 | | 118 | | 21-145 |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA) | 96 | | 106 | | 30-139 |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS) | 115 | | 89 | | 47-153 |
| Perfluoro[13C8]Octanoic Acid (M8PFOA) | 85 | | 83 | | 36-149 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS) | 71 | | 59 | | 1-244 |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA) | 71 | | 79 | | 34-146 |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS) | 88 | | 86 | | 42-146 |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA) | 73 | | 67 | | 38-144 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS) | 71 | | 73 | | 7-170 |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 42 | | 57 | | 1-181 |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA) | 69 | | 67 | | 40-144 |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA) | 57 | | 48 | | 1-87 |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA) | 45 | | 48 | | 23-146 |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA) | 61 | | 60 | | 24-161 |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA) | 47 | | 50 | | 33-143 |

Lab Control Sample Analysis**Batch Quality Control****Project Name:** 31-150 TONAWANDA ST**Lab Number:** L1838016**Project Number:** 31-150 TONAWANDA ST**Report Date:** 10/05/18

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|--------------------------|-------------|---------------------------|-------------|-----------------------------|------------|-------------|-----------------------|
| 1,4 Dioxane by 8270D-SIM - Mansfield Lab Associated sample(s): 01-03 Batch: WG1161870-2 WG1161870-3 | | | | | | | | |
| 1,4-Dioxane | 106 | | 105 | | 40-140 | 1 | | 30 |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria |
|------------------|--------------------------|-------------|---------------------------|-------------|--------------------------------|
| 1,4-Dioxane-d8 | 23 | | 24 | | 15-110 |

Project Name: 31-150 TONAWANDA ST**Lab Number:** L1838016**Project Number:** 31-150 TONAWANDA ST**Report Date:** 10/05/18**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

Cooler Information**Cooler** **Custody Seal**

A Absent

Container Information

| Container ID | Container Type | Cooler | Initial pH | Final pH | Temp deg C | Pres | Seal | Frozen Date/Time | Analysis(*) |
|---------------------|---|---------------|-----------------------|---------------------|-----------------------|-------------|-------------|-----------------------------|-----------------------|
| L1838016-01A | Amber 1000ml unpreserved | A | 7 | 7 | 2.6 | Y | Absent | | A2-1,4-DIOXANE-SIM(7) |
| L1838016-01C | 3 Plastic Trizma/1 Plastic/1 H2O+Trizma | A | NA | | 2.6 | Y | Absent | | A2-NY-537-ISOTOPE(14) |
| L1838016-01D | 3 Plastic Trizma/1 Plastic/1 H2O+Trizma | A | NA | | 2.6 | Y | Absent | | A2-NY-537-ISOTOPE(14) |
| L1838016-01E | 3 Plastic Trizma/1 Plastic/1 H2O+Trizma | A | NA | | 2.6 | Y | Absent | | A2-NY-537-ISOTOPE(14) |
| L1838016-02A | Amber 1000ml unpreserved | A | 7 | 7 | 2.6 | Y | Absent | | A2-1,4-DIOXANE-SIM(7) |
| L1838016-02C | 3 Plastic Trizma/1 Plastic/1 H2O+Trizma | A | NA | | 2.6 | Y | Absent | | A2-NY-537-ISOTOPE(14) |
| L1838016-02D | 3 Plastic Trizma/1 Plastic/1 H2O+Trizma | A | NA | | 2.6 | Y | Absent | | A2-NY-537-ISOTOPE(14) |
| L1838016-02E | 3 Plastic Trizma/1 Plastic/1 H2O+Trizma | A | NA | | 2.6 | Y | Absent | | A2-NY-537-ISOTOPE(14) |
| L1838016-03A | Amber 1000ml unpreserved | A | 7 | 7 | 2.6 | Y | Absent | | A2-1,4-DIOXANE-SIM(7) |
| L1838016-03C | 3 Plastic Trizma/1 Plastic/1 H2O+Trizma | A | NA | | 2.6 | Y | Absent | | A2-NY-537-ISOTOPE(14) |
| L1838016-03D | 3 Plastic Trizma/1 Plastic/1 H2O+Trizma | A | NA | | 2.6 | Y | Absent | | A2-NY-537-ISOTOPE(14) |
| L1838016-03E | 3 Plastic Trizma/1 Plastic/1 H2O+Trizma | A | NA | | 2.6 | Y | Absent | | A2-NY-537-ISOTOPE(14) |
| L1838016-05A | Plastic 250ml Trizma preserved | A | NA | | 2.6 | Y | Absent | | HOLD(14) |

Project Name: 31-150 TONAWANDA ST
Project Number: 31-150 TONAWANDA ST

Lab Number: L1838016
Report Date: 10/05/18

GLOSSARY

Acronyms

| | |
|----------|---|
| EDL | - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME). |
| EMPC | - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration. |
| EPA | - Environmental Protection Agency. |
| LCS | - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes. |
| LCSD | - Laboratory Control Sample Duplicate: Refer to LCS. |
| LFB | - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes. |
| MDL | - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. |
| MS | - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. |
| MSD | - Matrix Spike Sample Duplicate: Refer to MS. |
| NA | - Not Applicable. |
| NC | - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit. |
| NDPA/DPA | - N-Nitrosodiphenylamine/Diphenylamine. |
| NI | - Not Ignitable. |
| NP | - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil. |
| RL | - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable. |
| RPD | - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report. |
| SRM | - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples. |
| STLP | - Semi-dynamic Tank Leaching Procedure per EPA Method 1315. |
| TEF | - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD. |
| TEQ | - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values. |
| TIC | - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations. |

Footnotes

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Report Format: DU Report with 'J' Qualifiers



Project Name: 31-150 TONAWANDA ST
Project Number: 31-150 TONAWANDA ST

Lab Number: L1838016
Report Date: 10/05/18

Data Qualifiers

- A** - Spectra identified as "Aldol Condensation Product".
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Project Name: 31-150 TONAWANDA ST
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Report Date: 10/05/18

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.
- 122 Determination of Selected Perfluorinated Alkyl Acids in Drinking Water by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry (LC/MS/MS). EPA Method 537, EPA/600/R-08/092. Version 1.1, September 2009.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at its own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Certification Information

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

Westborough Facility

EPA 624: m/p-xylene, o-xylene

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

EPA 8270D: NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.

EPA 300: DW: Bromide

EPA 6860: SCM: Perchlorate

EPA 9010: NPW and SCM: Amenable Cyanide Distillation

SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO₂, NO₃.

Mansfield Facility

SM 2540D: TSS

EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.

EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water

EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,**

EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B

EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.

Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.**

Non-Potable Water

SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1:**

Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **EPA 351.1, SM4500P-E, SM4500P-B, E,**

SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D.

EPA 624: Volatile Halocarbons & Aromatics,

EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs

EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.

Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, SM9222D.**

Mansfield Facility:

Drinking Water

EPA 200.7: Al, Ba, Be, Cd, Cr, Cu, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1 Hg.**

EPA 522.

Non-Potable Water

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

EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn.

EPA 245.1 Hg.

SM2340B

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

CHAIN OF CUSTODY

L1838016

REPORT TO:

INVOICE TO:

| | | | | |
|--|-----------|--|-------------------|-----------------|
| CLIENT: Paradigm Environmental | | INVOICE TO: Same | | LAB PROJECT ID |
| ADDRESS: 179 Lake Avenue | | ADDRESS: | | |
| CITY: Rochester | STATE: NY | ZIP: 14608 | CITY: STATE: ZIP: | Results by 3 PM |
| PHONE: 585-647-2630 | | PHONE: | | |
| ATTN: reporting@paradigmenv.com | | ATTN: accpay@paradigmenv.com | | Email: |
| Matrix Codes: | | | | |

31-150 Tonawanda St

Matrix Codes:

AQ - Aqueous Liquid
NQ - Non-Aqueous Liquid

WA - Water
WG - Groundwater

DW - Drinking Water
WW - Wastewater

SO - Soil
SL - Sludge

SD - Solid
PT - Paint

WP - Wipe
CK - Caulk

OL - Oil
AR - Air

REQUESTED ANALYSIS

[illegible]

| Turnaround Time | | Report Supplements | | | |
|-----------------|-------------------------------------|--------------------|-------------------------------------|---------------|-------------------------------------|
| Standard 5 day | <input type="checkbox"/> | None Required | <input type="checkbox"/> | None Required | <input type="checkbox"/> |
| 10 day | <input checked="" type="checkbox"/> | Batch QC | <input type="checkbox"/> | Basic EDD | <input type="checkbox"/> |
| Rush 3 day | <input type="checkbox"/> | Category A | <input type="checkbox"/> | NYSDEC EDD | <input checked="" type="checkbox"/> |
| Rush 2 day | <input type="checkbox"/> | Category B | <input checked="" type="checkbox"/> | | |
| Rush 1 day | <input type="checkbox"/> | | | | |
| Other | <input type="checkbox"/> | Other | <input type="checkbox"/> | Other EDD | <input type="checkbox"/> |

| | |
|-------------------|--------------------------|
| Client | 9/21/18 |
| Sampled By | Date/Time |
| Relinquished By | 5/21/18 1645 |
| Received By | Date/Time |
| Received @ Lab By | 9/21/18 1645 |
| | Date/Time |
| | 9/21/18 1645 |
| | Date/Time |
| | 09/21/18 1645 |
| | 09/22/18 0025 |
| | 09/21/18 0025 |

DATA USABILITY SUMMARY REPORT (DUSR)

**31 Tonawanda St.
Buffalo, NY
NYSDEC BCP # C915299**

SDG: 183739
9 soil samples

Prepared for:

**BE3/Panamerican
1270 Niagara Street
Buffalo, NY 14213**

September 2018



Environmental Data Usability 10028 Deer Park Dr. Dansville, NY 14437 585.991.9156

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REVIEWER'S NARRATIVE
SDG 183739

The data associated with this Sample Delivery Group (SDG) 183739, analyzed by Paradigm Environmental Services, Inc. Rochester, NY have been reviewed in accordance with assessment criteria provided by the New York State Department of Environmental Conservation following the review procedures provided in the USEPA Functional Guidelines for evaluating organic and inorganic data.

All analytical results reported by the laboratory are considered valid and acceptable except results that have been qualified as rejected, "R". Results qualified as estimated "J", or as non-detects, "U", are considered usable for the purpose of evaluating water and/or soil quality. However, these qualifiers indicate that the accuracy and/or precision of the analytical result is questionable. A summary of all data that have been qualified and the reasons for qualification are provided in the following data usability summary report (DUSR).

Two facts should be noted by all data users. First, the "R" qualifier means that the associated value is unusable. In other words, due to significant quality control (QC) problems, the analysis is invalid and provides no information as to whether the analyte is present or not. Values qualified with an "R" should not appear on the final data tables because they cannot be relied upon, even as the last resort. Second, no analyte concentration, even if it has passed all QC tests, is guaranteed to be accurate. Strict QC serves to increase confidence in data, but any value potentially contains error.

Reviewer's Signature: Michael K. Perry Date: 9/25/18
Michael K. Perry
Chemist

1.0 SUMMARY

SITE: 31 Tonawanda St.
Buffalo, NY

SAMPLING DATE: August 15, 2018

SAMPLE TYPE: 9 soil samples

LABORATORY: Paradigm Environmental Services, Inc.
Rochester, NY

SDG No.: 183739

2.0 INTRODUCTION

This data usability summary report (DUSR) was prepared in accordance with guidance provided by the New York State Department of Environmental Conservation (NYSDEC). The DUSR is based on a review and evaluation of the laboratory analytical data package. Specifically, the NYSDEC guidance recommends review and evaluation of the following elements of the data package:

- Completeness of the data package as defined under the requirements of the NYSDEC Analytical Services Protocols (ASP) Category B or the United States Environmental Protection Agency (USEPA) Contract Laboratory Program (CLP) deliverables,
- Compliance with established analyte holding times,
- Adherence to quality control (QC) limits and specifications for blanks, instrument tuning and calibration, surrogate recoveries, spike recoveries, laboratory duplicate analyses, and other QC criteria,
- Adherence to established analytical protocols,
- Conformance of data summary sheets with raw analytical data, and
- Use of correct data qualifiers.

Data deficiencies, analytical protocol deviations, and quality control problems identified using the review criteria above and their effect on the analytical results are discussed in this report.

3.0 SAMPLE AND ANALYSIS SUMMARY

The data package consists of analytical results for ten soil samples collected on August 15, 2018. These samples were analyzed for Part 375 Volatile Organic Compounds, Semi-volatile Organic Compounds, PCBs, Pesticides, TCN, and Metals.

All analyses were performed by Paradigm Environmental Services, Inc., Rochester, NY and analyzed as SDG 183739. The analytical results were provided in NYSDEC ASP Category B format, which includes all raw analytical data and laboratory QC data.

4.0 GUIDANCE DOCUMENTS AND DATA REVIEW CRITERIA

The guidance documents used for reviewing laboratory quality control (QC) data and assigning data qualifiers (flags) to analytical results are listed in Table 4-1. The QC limits established in the documents applicable to this data review were used to assess the quality of the analytical results. In some cases, however, QC limits established internally by the laboratory were taken into account to determine data quality.

The QC criteria considered for assessing the usability of the reported analytical results provided for each analyte type (i.e. VOCs, SVOCs, metals, etc.) are listed in Table 4-2. These criteria may vary with the analytical method utilized by the laboratory. These criteria comply with the guidance recommended in Section 2.0 above.

5.0 DATA VALIDATION QUALIFIERS

The letter qualifiers (flags) used to define data usability are described briefly below. These letters are assigned by the data validator to analytical results having questionable accuracy and/or precision as determined by reviewing the laboratory QC data associated with the analytical results.

TABLE 4-1

DATA VALIDATION GUIDANCE DOCUMENTS

| Analyte Type | Validation Guidance |
|-----------------------|--|
| VOCs | USEPA, 2008, Validating Volatile Organic Compounds By Gas Chromatography/Mass Spectrometry; SW-846 Method 8260B; SOP # HW-24, Rev. 2. USEPA, 2008, Statement of Work for Organic Analysis of Low/Medium Concentration of Volatile Organic Compounds SOM01.2; SOP HW-33, Rev. 2. |
| SVOCs | USEPA, 2007, Statement of Work for Organic Analysis of Low/Medium Concentration of Semivolatile Organic Compounds SOM01.2; SOP HW-35, Rev. 1. |
| Pesticides/PCBs | USEPA, 2006, CLP Organics Data Review and Preliminary Review (CLP/SOW OLMO 4.3); SOP # HW-6, Rev. 14, Part C. |
| Metals | USEPA, 2006, Validation of Metals for the Contract Laboratory Program (CLP) based on SOW ILMO 5.3 (SOP Revision 13), SOP # HW-2, Rev. 13. |
| Gen Chemistry | NYSDEC, 2005, Analytical Services Protocols (ASP) |
| VOCs (Ambient air) | USEPA, 2006, Validating Air Samples, Volatile Organic Analysis of Ambient Air in Canister by Method TO-15; SOP # HW-31, Rev. 4. |

TABLE 4-2

**QUALITY CONTROL CRITERIA USED FOR VALIDATING
LABORATORY ANALYTICAL DATA**

| VOCs | SVOCs | Pesticides/PCBs | Metals | Gen Chemistry | Method TO-15 |
|---|---|---|--|--|---|
| Completeness of Pkg Sample Condition Holding Time System Monitoring Compounds Lab Control Sample Matrix Spikes Blanks Instrument Tuning Internal Standards Initial Calibration Continuing Calibration Lab Qualifiers Field Duplicate | Completeness of Pkg Sample Condition Holding Time Surrogate Recoveries Lab Control Sample Matrix Spikes Blanks Instrument Tuning Internal Standards Initial Calibration Continuing Calibration Lab Qualifiers Field Duplicate | Completeness of Pkg Sample Condition Holding Time Surrogate Recoveries Matrix Spikes Blanks Instrument Calibration & Verification Analyte ID Lab Qualifiers Field Duplicate | Completeness of Pkg Sample Condition Holding Time Initial/Continuing Calibration CRDL Standards Blanks Interference Check Sample Spike Recoveries Lab Duplicate Lab Control Sample ICP Serial Dilutions Lab Qualifiers Field Duplicate | Completeness of Pkg Sample Condition Holding Times Calibration Lab Control Samples Blanks Spike Recoveries Lab Duplicates | Completeness of Pkg Sample Condition Holding Time Canister Certification Lab Control Sample Instrument Tuning Blanks Initial Calibration & System Performance Daily Calibration Field Duplicate |

The laboratory may also use various letters and symbols to flag analytical results generated when QC limits were exceeded. The meanings of these flags may differ from those used by the independent data validator. Those used by the laboratory are provided with the analytical results.

NOTE: The assignment of data qualifiers by the data reviewer (validator) to laboratory analytical results should not necessarily be interpreted by the data user as a measure of laboratory ability or proficiency. Rather, the qualifiers are intended to provide a measure of data accuracy and precision to the data user, which, for example, may provide a level of confidence in determining whether or not standards or cleanup objectives have been met.

- U** The analyte was analyzed for but was not detected at or above the sample quantitation limit.
- J** The analyte was positively identified; the associated numerical value is the *approximate* concentration of the analyte in the sample. (The magnitude of any \pm value associated with the result is not determined by data validation).
- UJ** The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is *approximate* and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
- R** The sample result is rejected (i.e., is unusable) due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.
- N** The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification".
- JN** The analyte is considered to be "presumptively present." The associated numerical value represents its *approximate* concentration.

The validated analytical results are attached to this report. Validation qualifiers (flags) are indicated using red ink. Data sheets having qualified data are signed and dated by the data reviewer.

6.0 RESULTS OF THE DATA REVIEW

The results of the data review are summarized in Tables 6-1 through 6-6. The tables list the samples where QC criteria were found to exceed acceptable limits and the actions taken to qualify the associated analytical results.

7.0 TOTAL USABLE DATA

For SDG 183739, nine samples were analyzed and results were reported for 1410 analytes. Eight results were rejected. Even though some results were flagged with a “J” as estimated, all other results (99.4%) are considered usable. See the summary table for the analyses that have been rejected and the associated QC reasons.

NOTE: 1) As noted by the laboratory, the soil samples were not collected following SW846 5035A protocol. This adds an element of uncertainty to the analytical results for volatile organic analytes (VOAs). Although not specifically indicated on the final data sheets with a “J” flag, the VOA analytical results should be considered estimated, but usable.

NOTE: 2) The data packages for this project contained no laboratory QC data for the CRDL standard for metals (Form 2B) and the Serial Dilutions of metals (Form 8). Therefore, no evaluation of the CRDL recoveries and the serial dilution results were performed by this data reviewer and no data were qualified as a result.

Table 6-1 VOCs

| SAMPLES AFFECTED | ANALYTES | ACTION | QC VIOLATION | COMMENTS |
|--|--|----------------------------|---|---|
| BH-1 (6-7) BH-5 (2-4) BH-3 (4-6) | All Analytes | UJ non-detect J detects | Surrogate recs. for BFB and Td8 < QC limit | Results may be biased low |
| BH-5 (2-4) | 1,2,3-Trichlorobenzene 1,2,4-Trichlorobenzene DBCP 1,2-Dichlorobenzene 1,3-Dichlorobenzene 1,4-Dichlorobenzene Naphthalene n-Butylbenzene | R non-detect J detects | IS#3 area < 25 % | Non-detects are unusable, detects may be biased low |
| BH-1 (6-7) BH-3 (4-6) | 1,2,3-Trichlorobenzene 1,2,4-Trichlorobenzene DBCP 1,2-Dichlorobenzene 1,3-Dichlorobenzene 1,4-Dichlorobenzene Naphthalene n-Butylbenzene | UJ non-detect J detects | IS#3 area < 50 % | Results may be biased low |
| BH-1 (6-7) BH-5 (2-4) | Chlorobenzene 1,1,2,2-Tetrachloroethane Ethylbenzene m,p-Xylene o-Xylene Bromoform | UJ non-detect J detects | IS#2 area < 50 % | Results may be biased low |

| | | | | |
|--|--|--|--|--|
| | Isopropylbenzene n-Propylbenzene 1,2,4-Trimethylbenzene 1,3,5-Trimethylbenzene sec-Butylbenzene tert-Butylbenzene p-Isopropyltoluene | | | |
|--|--|--|--|--|

Table 6-2 SVOCs

| SAMPLES AFFECTED | ANALYTES | ACTION | QC VIOLATION | COMMENTS |
|------------------|------------------------|-----------------------------|--|-------------------------------------|
| BH-4 (0-1) | All Phenolic Compounds | UJ non-detects J detects | surrogate recoveries for 2FP and Pd5 < QC limit | Results may be biased low |
| BH-1 (6-7) | Pyrene | J detect | MS/MSD < QC limit | Results may be biased low |
| All samples | TIC @ RT: 4.76 | < 5X blank value TIC-R | Tentatively Identified Compounds were detected in the method blank | TICs were rejected |
| All samples | Atrazine | UJ non-detects | Three point ICAL | Data should be considered estimated |

Table 6-3 Pesticides

| SAMPLES AFFECTED | ANALYTES | ACTION | QC VIOLATION | COMMENTS |
|------------------|--|--------------|---|-------------------------------|
| BH-1 (6-7) | Endosulfan Sulfate Endrin Methoxychlor | J J JN | >25 % D between dual column analysis | Matrix suspected interference |

SDG 183739

| | | | | |
|------------|--|--|---|-------------------------------|
| BH-5 (2-4) | cis-Chlordane Endosulfan Sulfate Endrin Ketone | J CRQL-U CRQL-U | >25 % D between dual column analysis | Matrix suspected interference |
| BH-3 (4-6) | 4,4'-DDD 4,4'-DDE 4,4'-DDT Dieldrin Endosulfan Sulfate Endrin Heptachlor Epoxide Methoxychlor | CRQL-U CRQL-U CRQL-U CRQL-U JN J J JN | >25 % D between dual column analysis | Matrix suspected interference |
| BH-6 (0-1) | 4,4'-DDD 4,4'-DDE Aldrin b-BHC cis-Chlordane Dieldrin Endosulfan Sulfate Endrin Endrin Aldehyde Endrin Ketone Heptachlor Methoxychlor transChlordane | JN JN JN JN CRQL-U JN J JN JN J CRQL-U JN JN | >25 % D between dual column analysis | Matrix suspected interference |
| BH-2 (0-1) | 4,4'-DDE Endosulfan Sulfate Endrin Endrin Ketone Methoxychlor | JN J CRQL-U CRQL-U J | >25 % D between dual column analysis | Matrix suspected interference |

SDG 183739

| | | | | |
|------------|---|------------------------|---|-------------------------------|
| BH-4 (0-1) | Endosulfan Sulfate Endrin Ketone Heptachlor Epoxide Methoxychlor | CRQL-U J J JN | >25 % D between dual column analysis | Matrix suspected interference |
|------------|---|------------------------|---|-------------------------------|

Table 6-4 PCBs

| SAMPLES AFFECTED | ANALYTES | ACTION | QC VIOLATION | COMMENTS |
|-----------------------------|-----------------|----------------------------|---|--|
| BH-4 (0-1) | All Analytes | UJ non-detect J detects | All surrogate recoveries < QC limit | Results may be biased low |
| All samples | All | J detects | No 2 nd column confirmation | Detects should be considered estimated |

Table 6-5 TAL Metals

| SAMPLES AFFECTED | ANALYTES | ACTION | QC VIOLATION | COMMENTS |
|-----------------------------|--|-----------------------------|---------------------|-------------------------------------|
| BH-5 (2-4) | Manganese | J detects | RPD > 35 % | Data should be considered estimated |
| BH-5 (2-4) | Arsenic Cadmium Chromium Copper Lead Nickel Zinc | UJ non-detects J detects | Matrix spike < 75 % | Data should be considered estimated |

SDG 183739

Table 6-6 **TCN**

| SAMPLES AFFECTED | ANALYTES | ACTION | QC VIOLATION | COMMENTS |
|---------------------|----------|--------|--------------|----------|
| none | | | none | |

ACRONYMS

| | |
|--------|--------------------------------------|
| BSP | Blank Spike |
| CCAL | Continuing Calibration |
| CCB | Continuing Calibration Blank |
| CCV | Continuing Calibration Verification |
| CRDL | Contract Required Detection Limit |
| CRQL | Contract Required Quantitation Limit |
| %D | Percent Difference |
| ICAL | Initial Calibration |
| ICB | Initial Calibration Blank |
| IS | Internal Standard |
| LCS | Laboratory Control Sample |
| MS/MSD | Matrix Spike/Matrix Spike Duplicate |
| QA | Quality Assurance |
| QC | Quality Control |
| %R | Percent recovery |
| RPD | Relative Percent Difference |
| RRF | Relative Response Factor |
| %RSD | Percent Relative Standard Deviation |
| TAL | Target Analyte List (metals) |
| TCL | Target Compound List (organics) |

Appendix A

Validated Analytical Results

LAB PROJECT NARRATIVE: 183739
PROJECT NAME: 31 + 150 Tonawanda St.
SDG: 3739-01
CLIENT: BE3

Nine Soil Samples were collected by the client on August 15, 2018 and received at the Paradigm laboratory on August 16, 2018. Container and holding times were acceptable at time of receipt; the samples were received at 6° Centigrade and were on ice. The samples were submitted for the Part 375 list for VOCs, SVOCs, PCBs, Pesticides, TCN, and Metals. TICs were requested on the VOCs and the SVOCs. All analyses were performed using EPA SW-846 Methods and the associated holding times.

The items noted in this case narrative address compliance with the referenced methods, NYSDOH ELAP rules, and any project specific data quality requirements. These may be different from the usability criteria referenced in any "Functional Guidelines" or other data review standards used by data validators.

GENERAL NOTES

ALL ANALYSES

The initial and continuing calibration reports are only evaluated for compounds that are on the sample summary report.

Regarding results on QC summary forms versus included raw data, due to calculations made at the instrument where many significant figures may be used, there may be slight discrepancies between the summary report result and that recorded on the raw data. This does not affect data usability.

VOLATILES AND SEMIVOLATILES

Regarding initial calibrations, it should be noted that the Quantitation Report concentrations supplied for the initial calibration reflect the calibration prior to updating. The response factors and areas are correct.

Regarding Quantitation Reports, it should be noted that the "#" symbol that appears on some of the Quantitation Reports is a software artifact and should be disregarded.

VOLATILES

The samples were not sampled per EPA method 5035A compliance rules. Thus, an extra note has been added to all VOC reports.

Holding times were met for all samples.

All surrogate recoveries for the samples and associated QC were within acceptance limits; except 4-Bromofluorobenzene was out low in samples BH-1 (6-7'), BH-5 (2-4) and BH-3 (4-6), and Toluene-d8 was out low in samples BH-1 (6-7') and BH-5 (2-4). These outliers have been flagged with an "*" on the QC Summary Table and the Sample Reports accordingly. Matrix interference is suspected.

Site specific QC was not requested on this SDG. The Laboratory Control Sample recovered within acceptance limits.

The Method Blanks were free from contamination within the reportable ranges.

The instrument tunes passed all criteria.

All internal standards areas and retention times were within acceptance limits for the samples and associated QC, except the areas for IS#2 was out low in laboratory number 183739-04 and IS#3 was out low in 183739-01, 04 and 05. These have been flagged with an "*" on the RT Summary (Form 8). The samples were repeated to confirm the results and the raw data for the confirmations have been supplied after the raw data from the reported results. Matrix interference is suspected. No further evaluation of this data has been made.

All data for the initial calibration was within acceptance limits. Compounds flagged with an "*" on the summary table have been calibrated using a non-average Response Factor calibration curve. The supporting curves are located after the initial calibration table.

All continuing calibration data for the reported analytes was within acceptance limits.

SEMI-VOLATILES

Holding times were met for all samples.

All surrogate recoveries for the samples and associated QC were within acceptance limits, except 2-Fluorophenol, Phenol-d5 and Terphenyl-d14 were out low in sample BH-4 (0-1). The outliers have been flagged with an "*" on the QC Summary Table and the sample report accordingly. Matrix interference is suspected.

Site specific QC was not requested on this SDG but analyzed on BH-1 (6-7'). The MS/MSD recovered outside acceptance limits for 2,4-Dinitrophenol, 4,6-Dinitro-2-methylphenol and Pyrene. Additionally, the RPD recovered outside acceptance limits for Pyrene. These outliers have been flagged with an "M/D" on the sample report and an "*" on the QC Summary (not all spiked compounds are shown on the QC Summary). Matrix interference is suspected. The Laboratory Control Sample recovered within acceptance limits.

The Method Blanks were free from contamination within the reportable ranges, except an Unknown compound found on the TIC analysis at Retention Time 4.763. This compound has been flagged with a "B" accordingly on the sample reports. No further action was taken

The instrument tunes passed all criteria.

The internal standards areas and retention times were within acceptance ranges.

All data for the initial calibrations was within acceptance limits. Compounds flagged with an "*" on the summary table have been calibrated using a non-average Response Factor calibration curve. The supporting curves are located after the initial calibration table.

All continuing calibration data for the reported analytes was within acceptance limits, except Atrazine and Benzaldehyde were out low. These outliers were assessed for adequate sensitivity at the reporting limit by a 10ppm and 5ppm standard. This is usable for determination of "Non-Detects" only. All the associated samples were Non-Detect for these compounds.

PESTICIDES

Holding times were met for all samples.

The surrogate recoveries for the samples and the associated QC were within acceptance limits, except DCBP was out high in BH-3 (4-6) and out low in BH-4 (0-1). The outliers have been flagged with an “*” on the QC Summary and the sample reports accordingly. Matrix Interference is suspected.

Site specific QC was not requested on this SDG but analyzed on BH-2 (8-10') Native. The MS/MSD and RPD recovered within acceptance limits. The Laboratory Control Samples recovered within acceptance limits.

Samples BH-5 (2-4) and BH-4 (0-1) required a Copper clean-up to address possible Sulfur interference. An additional Method Blank has been analyzed and included for this reason. All Method Blanks were free from contamination within the reportable ranges.

The internal standards areas and retention times were within acceptance ranges.

All data for the initial calibrations were within acceptance limits. The internal acceptance criteria for the initial calibrations was 0.99 or better for each peak.

All continuing calibration data was within acceptance limits, except DCBP was out high in both Columns A and B for the 8/21 run for the QC only. This outlier has been flagged with a “Fail” on the summary forms.

For all hits, a Form 10 including Percent Difference has been included. Column confirmations above 40% difference have been flagged with a “P” on the sample reports and an “*” on the Form 10 indicating matrix interference. The reported result is always the lower of the two results.

PCBs

Holding times were met for all samples.

The surrogate recoveries for the samples and the associated QC were within acceptance limits, except both surrogates were out low in BH-4 (0-1). The outliers have been flagged with an “*” on the QC Summary Table and the sample reports accordingly. Matrix Interference is suspected.

Site specific QC was not requested on this SDG. The Laboratory Control Sample recovered within acceptance limits.

The Method Blank was free from contamination within the reportable ranges.

All data for the initial calibrations were within acceptance limits. The internal acceptance criteria for the initial calibrations was 0.99 or better for each peak.

All continuing calibration data was within acceptance limits.

METALS

ICP-AES interelement and background corrections were applied. Raw data was not generated before application of background corrections.

Holding times were met for all samples.

Site specific QC was not requested on this SDG but was analyzed on BH-5 (2-4). Any of the requested metals that were outside QC limits for the Matrix Spike Recoveries and/or the Sample Duplicate Percent Differences have been flagged with an "M" and /or "D" on the results page and a "*" on the QC summary report. As there were outliers, Post Digest Spikes were analyzed accordingly. The raw data for these QC samples has been supplied on the attached ICP analytical worksheets, labeled as "PDS". There are no data qualifiers or QC forms associated with the post digest spikes. Matrix interference is suspected with these outliers. The Laboratory Control Sample recovered within acceptable limits. All LCS % differences were within acceptance limits.

The Method Blanks were free from contamination within the reportable ranges.

All data for the initial calibrations was within acceptance limits.

All continuing calibrations data was within acceptance limits.

INORGANICS-Total Cyanide


Holding times were met for all samples.

Site specific QC was not requested on this SDG but was analyzed on BH-2 (0-1). All Sample Spike Recoveries and Relative Percent Differences were within QC limits. The Laboratory Control Samples recovered within acceptance limits.

All Initial and Continuing Blanks and Method Blanks were free from contamination within acceptance limits.

All Initial and Continuing calibrations were within acceptance limits.

(signed)


Bruce Hoogesteger- President

(date)

9/18/2018

BATCH LOG

Lab Name: Paradigm Environmental Services
 Lab Project #: 183739
 Client Name: BE3
 Client Project Name: 31 + 150 Tonawanda Street
 Client Project #: N/A
 SDG No.: 3739-01

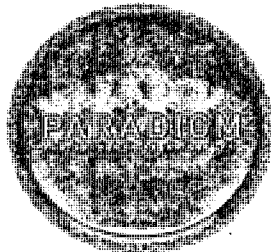
Protocol: SW846

Report Due Date: 8/30/2018

Batch Due Date:

9/15/2018

[illegible]



1082

CHAIN OF CUSTODY

| REPORT TO: | | INVOICE TO: | | LAB PROJECT ID | | |
|---|----------------|---|------|------------------------------------|---------|----------------------------|
| CLIENT: <u>BE3/Pannamerican</u> | | CLIENT: <u>SAME</u> | | 183739 | | |
| ADDRESS: <u>1270 Niagara St</u> | | ADDRESS: | | Quotation #: | | |
| CITY: <u>Buffalo</u> STATE: <u>NY</u> ZIP: <u>14213</u> | | CITY: STATE: ZIP: | | Email: <u>abrennen@be3corp.com</u> | | |
| PHONE: <u>716-249-6880</u> | | PHONE: | | | | |
| ATTN: <u>Pete Gorton</u> | | ATTN: | | | | |
| PROJECT REFERENCE | | Matrix Codes: | | | | |
| <u>31 +150 Tonawanda</u> | | AQ - Aqueous Liquid WA - Water DW - Drinking Water SO - Soil SD - Solid WP - Wipe OL - Oil NQ - Non-Aqueous Liquid WG - Groundwater WW - Wastewater SL - Sludge PT - Paint CK - Caulk AR - Air | | | | |
| REQUESTED ANALYSIS | | | | | | |
| DATE COLLECTED | TIME COLLECTED | COMPOSITE | GRAB | SAMPLE IDENTIFIER | REMARKS | PARADIGM LAB SAMPLE NUMBER |
| 8/15/18 | 1115 | X | X | BH-2 (6-7') | SD | 01 |
| | 1228 | X | X | BH-2 (8-10') Native | | 02 |
| | 1520 | X | X | BH-6 (5.5-8') Native | | 03 |
| | 1405 | X | X | BH-5 (2-4') | | 04 |
| | 1335 | X | X | BH-3 (4-6') | | 05 |
| | 1410 | X | X | BH-4 (2.8-4') Native | | 06 |
| | 1520 | X | | BH-6 (0-2') | | 07 |
| | 1225 | X | | BH-2 (0-2') | | 08 |
| | 1410 | X | | BH-4 (0-2') | | 09 |

| Turnaround Time | | Report Supplements | |
|---|-------------------------------------|---------------------------------|-------------------------------------|
| Availability contingent upon lab approval; additional fees may apply. | | | |
| Standard 5 day | <input type="checkbox"/> | None Required | <input type="checkbox"/> |
| 10 day | <input checked="" type="checkbox"/> | Batch QC | <input type="checkbox"/> |
| Rush 3 day | <input type="checkbox"/> | Category A | <input type="checkbox"/> |
| Rush 2 day | <input type="checkbox"/> | Category B | <input checked="" type="checkbox"/> |
| Rush 1 day | <input type="checkbox"/> | | |
| Other | <input type="checkbox"/> | Other | <input type="checkbox"/> |
| please indicate date needed: | | please indicate package needed: | |

| | | | |
|----------------------|-----------|----------------------|-------------|
| <u>Alex Breannen</u> | | <u>08/15/18</u> | Total Cost: |
| Sampled By | Date/Time | | |
| <u>AB</u> | | <u>08/15/18 1630</u> | P.I.F. |
| Relinquished By | Date/Time | | |
| <u>John Hoff</u> | | <u>08/15/18 1630</u> | |
| Received By | Date/Time | | |
| <u>Wm. Hoff</u> | | <u>8/16/18 1352</u> | |
| Received @ Lab By | Date/Time | | |

By signing this form, client agrees to Paradigm Terms and Conditions (reverse).

See additional page for sample conditions.



PARADIGM

ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 183739

Client: BE3

Project Reference: 31 + 150 Tonawanda Street

Sample Identifier: BH-1 (6-7')

Lab Sample ID: 183739-01

Date Sampled: 8/15/2018

Matrix: Soil

Date Received: 8/16/2018

Volatile Organics

| Analyte | Result | Units | Qualifier | Date Analyzed |
|-----------------------------|--------|-------|-----------|-----------------|
| 1,1,1-Trichloroethane | < 4.87 | ug/Kg | | 8/27/2018 16:58 |
| 1,1,2,2-Tetrachloroethane | < 4.87 | ug/Kg | | 8/27/2018 16:58 |
| 1,1,2-Trichloroethane | < 4.87 | ug/Kg | | 8/27/2018 16:58 |
| 1,1-Dichloroethane | < 4.87 | ug/Kg | | 8/27/2018 16:58 |
| 1,1-Dichloroethene | < 4.87 | ug/Kg | | 8/27/2018 16:58 |
| 1,2,3-Trichlorobenzene | < 12.2 | ug/Kg | | 8/27/2018 16:58 |
| 1,2,4-Trichlorobenzene | < 12.2 | ug/Kg | | 8/27/2018 16:58 |
| 1,2,4-Trimethylbenzene | < 4.87 | ug/Kg | | 8/27/2018 16:58 |
| 1,2-Dibromo-3-Chloropropane | < 24.4 | ug/Kg | | 8/27/2018 16:58 |
| 1,2-Dibromoethane | < 4.87 | ug/Kg | | 8/27/2018 16:58 |
| 1,2-Dichlorobenzene | < 4.87 | ug/Kg | | 8/27/2018 16:58 |
| 1,2-Dichloroethane | < 4.87 | ug/Kg | | 8/27/2018 16:58 |
| 1,2-Dichloropropane | < 4.87 | ug/Kg | | 8/27/2018 16:58 |
| 1,3,5-Trimethylbenzene | < 4.87 | ug/Kg | | 8/27/2018 16:58 |
| 1,3-Dichlorobenzene | < 4.87 | ug/Kg | | 8/27/2018 16:58 |
| 1,4-Dichlorobenzene | < 4.87 | ug/Kg | | 8/27/2018 16:58 |
| 1,4-Dioxane | < 48.7 | ug/Kg | | 8/27/2018 16:58 |
| 2-Butanone | < 24.4 | ug/Kg | | 8/27/2018 16:58 |
| 2-Hexanone | < 12.2 | ug/Kg | | 8/27/2018 16:58 |
| 4-Methyl-2-pentanone | < 12.2 | ug/Kg | | 8/27/2018 16:58 |
| Acetone | < 24.4 | ug/Kg | | 8/27/2018 16:58 |
| Benzene | < 4.87 | ug/Kg | | 8/27/2018 16:58 |
| Bromochloromethane | < 12.2 | ug/Kg | | 8/27/2018 16:58 |
| Bromodichloromethane | < 4.87 | ug/Kg | | 8/27/2018 16:58 |
| Bromoform | < 12.2 | ug/Kg | | 8/27/2018 16:58 |
| Bromomethane | < 4.87 | ug/Kg | | 8/27/2018 16:58 |
| Carbon disulfide | < 4.87 | ug/Kg | | 8/27/2018 16:58 |

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Friday, August 31, 2018



PARADIGM

ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 183739

Client: **BE3**

Project Reference: 31 + 150 Tonawanda Street

Sample Identifier: BH-1 (6-7')

Lab Sample ID: 183739-01

Date Sampled: 8/15/2018

Matrix: Soil

Date Received: 8/16/2018

| | | | |
|---------------------------|------------------|-------|-----------------|
| Carbon Tetrachloride | < 4.87 <i>uJ</i> | ug/Kg | 8/27/2018 16:58 |
| Chlorobenzene | < 4.87 | ug/Kg | 8/27/2018 16:58 |
| Chloroethane | < 4.87 | ug/Kg | 8/27/2018 16:58 |
| Chloroform | < 4.87 | ug/Kg | 8/27/2018 16:58 |
| Chloromethane | < 4.87 <i>✓</i> | ug/Kg | 8/27/2018 16:58 |
| cis-1,2-Dichloroethene | 3.93 <i>J</i> | ug/Kg | 8/27/2018 16:58 |
| cis-1,3-Dichloropropene | < 4.87 <i>uJ</i> | ug/Kg | 8/27/2018 16:58 |
| Cyclohexane | < 24.4 | ug/Kg | 8/27/2018 16:58 |
| Dibromochloromethane | < 4.87 | ug/Kg | 8/27/2018 16:58 |
| Dichlorodifluoromethane | < 4.87 | ug/Kg | 8/27/2018 16:58 |
| Ethylbenzene | < 4.87 | ug/Kg | 8/27/2018 16:58 |
| Freon 113 | < 4.87 | ug/Kg | 8/27/2018 16:58 |
| Isopropylbenzene | < 4.87 <i>✓</i> | ug/Kg | 8/27/2018 16:58 |
| m,p-Xylene | 4.98 <i>J</i> | ug/Kg | 8/27/2018 16:58 |
| Methyl acetate | < 4.87 <i>uJ</i> | ug/Kg | 8/27/2018 16:58 |
| Methyl tert-butyl Ether | < 4.87 | ug/Kg | 8/27/2018 16:58 |
| Methylcyclohexane | < 4.87 | ug/Kg | 8/27/2018 16:58 |
| Methylene chloride | < 12.2 | ug/Kg | 8/27/2018 16:58 |
| Naphthalene | < 12.2 | ug/Kg | 8/27/2018 16:58 |
| n-Butylbenzene | < 4.87 | ug/Kg | 8/27/2018 16:58 |
| n-Propylbenzene | < 4.87 | ug/Kg | 8/27/2018 16:58 |
| o-Xylene | < 4.87 | ug/Kg | 8/27/2018 16:58 |
| p-Isopropyltoluene | < 4.87 | ug/Kg | 8/27/2018 16:58 |
| sec-Butylbenzene | < 4.87 | ug/Kg | 8/27/2018 16:58 |
| Styrene | < 12.2 | ug/Kg | 8/27/2018 16:58 |
| tert-Butylbenzene | < 4.87 | ug/Kg | 8/27/2018 16:58 |
| Tetrachloroethene | < 4.87 <i>✓</i> | ug/Kg | 8/27/2018 16:58 |
| Toluene | 6.24 <i>J</i> | ug/Kg | 8/27/2018 16:58 |
| trans-1,2-Dichloroethene | < 4.87 <i>uJ</i> | ug/Kg | 8/27/2018 16:58 |
| trans-1,3-Dichloropropene | < 4.87 <i>✓</i> | ug/Kg | 8/27/2018 16:58 |

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Friday, August 31, 2018



PARADIGM

ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 183739

Client: **BE3**

Project Reference: 31 + 150 Tonawanda Street

Sample Identifier: BH-1 (6-7')

Lab Sample ID: 183739-01

Date Sampled: 8/15/2018

Matrix: Soil

Date Received: 8/16/2018

| | | | |
|------------------------|----------------|-------|-----------------|
| Trichloroethene | < 4.87 μ S | ug/Kg | 8/27/2018 16:58 |
| Trichlorofluoromethane | < 4.87 | ug/Kg | 8/27/2018 16:58 |
| Vinyl chloride | < 4.87 | ug/Kg | 8/27/2018 16:58 |

| Surrogate | Percent Recovery | Limits | Outliers | Date Analyzed |
|-----------------------|------------------|------------|----------|-----------------|
| 1,2-Dichloroethane-d4 | 109 | 80.4 - 128 | | 8/27/2018 16:58 |
| 4-Bromofluorobenzene | 69.1 | 75.7 - 120 | * | 8/27/2018 16:58 |
| Pentafluorobenzene | 92.7 | 85.3 - 111 | | 8/27/2018 16:58 |
| Toluene-D8 | 83.6 | 85 - 112 | * | 8/27/2018 16:58 |

Internal standard outliers indicate probable matrix interference

Method Reference(s): EPA 8260C
EPA 5035A - L

Data File: x53540.D

This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Friday, August 31, 2018



PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 183739

Client: BE3

Project Reference: 31 + 150 Tonawanda Street

Sample Identifier: BH-1 (6-7')

Lab Sample ID: 183739-01

Date Sampled: 8/15/2018

Matrix: Soil

Date Received: 8/16/2018

Volatile Tentatively Identified Compounds

| <u>Tentatively Identified Compound</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|--|---------------|--------------|------------------|----------------------|
| None Found | < 12.2 | | | 8/27/2018 |
| Total Reported TICS | < 12.2 | | | 8/27/2018 |
| Method Reference(s): | EPA 8260C | | | |
| | EPA 5035A - L | | | |

Tentatively Identified Compound results are estimated values, based on Internal Standard response factors.

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Friday, August 31, 2018



PARADIGM

ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 183739

Client: BE3

Project Reference: 31 + 150 Tonawanda Street

Sample Identifier: BH-5 (2-4)

Lab Sample ID: 183739-04

Date Sampled: 8/15/2018

Matrix: Soil

Date Received: 8/16/2018

Volatile Organics

| Analyte | Result | Units | Qualifier | Date Analyzed |
|-----------------------------|----------------------------|-------|-----------|-----------------|
| 1,1,1-Trichloroethane | < 4.80 <i>uS</i> | ug/Kg | | 8/27/2018 18:10 |
| 1,1,2,2-Tetrachloroethane | < 4.80 | ug/Kg | | 8/27/2018 18:10 |
| 1,1,2-Trichloroethane | < 4.80 | ug/Kg | | 8/27/2018 18:10 |
| 1,1-Dichloroethane | < 4.80 | ug/Kg | | 8/27/2018 18:10 |
| 1,1-Dichloroethene | < 4.80 | ug/Kg | | 8/27/2018 18:10 |
| 1,2,3-Trichlorobenzene | < 12.0 <i>R</i> | ug/Kg | | 8/27/2018 18:10 |
| 1,2,4-Trichlorobenzene | < 12.0 <i>R</i> | ug/Kg | | 8/27/2018 18:10 |
| 1,2,4-Trimethylbenzene | < 4.80 <i>uS</i> | ug/Kg | | 8/27/2018 18:10 |
| 1,2-Dibromo-3-Chloropropane | < 24.0 <i>R</i> | ug/Kg | | 8/27/2018 18:10 |
| 1,2-Dibromoethane | < 4.80 <i>uS</i> | ug/Kg | | 8/27/2018 18:10 |
| 1,2-Dichlorobenzene | < 4.80 <i>R</i> | ug/Kg | | 8/27/2018 18:10 |
| 1,2-Dichloroethane | < 4.80 <i>uS</i> | ug/Kg | | 8/27/2018 18:10 |
| 1,2-Dichloropropane | < 4.80 | ug/Kg | | 8/27/2018 18:10 |
| 1,3,5-Trimethylbenzene | < 4.80 | ug/Kg | | 8/27/2018 18:10 |
| 1,3-Dichlorobenzene | < 4.80 <i>R</i> | ug/Kg | | 8/27/2018 18:10 |
| 1,4-Dichlorobenzene | < 4.80 <i>R</i> | ug/Kg | | 8/27/2018 18:10 |
| 1,4-Dioxane | < 48.0 <i>uS</i> | ug/Kg | | 8/27/2018 18:10 |
| 2-Butanone | < 24.0 | ug/Kg | | 8/27/2018 18:10 |
| 2-Hexanone | < 12.0 | ug/Kg | | 8/27/2018 18:10 |
| 4-Methyl-2-pentanone | < 12.0 | ug/Kg | | 8/27/2018 18:10 |
| Acetone | < 24.0 | ug/Kg | | 8/27/2018 18:10 |
| Benzene | < 4.80 | ug/Kg | | 8/27/2018 18:10 |
| Bromochloromethane | < 12.0 | ug/Kg | | 8/27/2018 18:10 |
| Bromodichloromethane | < 4.80 | ug/Kg | | 8/27/2018 18:10 |
| Bromoform | < 12.0 | ug/Kg | | 8/27/2018 18:10 |
| Bromomethane | < 4.80 | ug/Kg | | 8/27/2018 18:10 |
| Carbon disulfide | 13.7 <i>S</i> | ug/Kg | | 8/27/2018 18:10 |

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Report Prepared Friday, August 31, 2018



PARADIGM

ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 183739

Client: **BE3**

Project Reference: 31 + 150 Tonawanda Street

Sample Identifier: BH-5 (2-4)

Lab Sample ID: 183739-04

Date Sampled: 8/15/2018

Matrix: Soil

Date Received: 8/16/2018

| | | | |
|---------------------------|----------------------|-------|-----------------|
| Carbon Tetrachloride | < 4.80 uS | ug/Kg | 8/27/2018 18:10 |
| Chlorobenzene | < 4.80 | ug/Kg | 8/27/2018 18:10 |
| Chloroethane | < 4.80 | ug/Kg | 8/27/2018 18:10 |
| Chloroform | < 4.80 | ug/Kg | 8/27/2018 18:10 |
| Chloromethane | < 4.80 | ug/Kg | 8/27/2018 18:10 |
| cis-1,2-Dichloroethene | < 4.80 | ug/Kg | 8/27/2018 18:10 |
| cis-1,3-Dichloropropene | < 4.80 | ug/Kg | 8/27/2018 18:10 |
| Cyclohexane | < 24.0 | ug/Kg | 8/27/2018 18:10 |
| Dibromochloromethane | < 4.80 | ug/Kg | 8/27/2018 18:10 |
| Dichlorodifluoromethane | < 4.80 | ug/Kg | 8/27/2018 18:10 |
| Ethylbenzene | < 4.80 | ug/Kg | 8/27/2018 18:10 |
| Freon 113 | < 4.80 | ug/Kg | 8/27/2018 18:10 |
| Isopropylbenzene | < 4.80 | ug/Kg | 8/27/2018 18:10 |
| m,p-Xylene | < 4.80 | ug/Kg | 8/27/2018 18:10 |
| Methyl acetate | < 4.80 | ug/Kg | 8/27/2018 18:10 |
| Methyl tert-butyl Ether | < 4.80 | ug/Kg | 8/27/2018 18:10 |
| Methylcyclohexane | < 4.80 | ug/Kg | 8/27/2018 18:10 |
| Methylene chloride | < 12.0 | ug/Kg | 8/27/2018 18:10 |
| Naphthalene | < 12.0 R | ug/Kg | 8/27/2018 18:10 |
| n-Butylbenzene | < 4.80 R | ug/Kg | 8/27/2018 18:10 |
| n-Propylbenzene | < 4.80 uS | ug/Kg | 8/27/2018 18:10 |
| o-Xylene | < 4.80 | ug/Kg | 8/27/2018 18:10 |
| p-Isopropyltoluene | < 4.80 | ug/Kg | 8/27/2018 18:10 |
| sec-Butylbenzene | < 4.80 | ug/Kg | 8/27/2018 18:10 |
| Styrene | < 12.0 | ug/Kg | 8/27/2018 18:10 |
| tert-Butylbenzene | < 4.80 | ug/Kg | 8/27/2018 18:10 |
| Tetrachloroethene | < 4.80 | ug/Kg | 8/27/2018 18:10 |
| Toluene | < 4.80 | ug/Kg | 8/27/2018 18:10 |
| trans-1,2-Dichloroethene | < 4.80 | ug/Kg | 8/27/2018 18:10 |
| trans-1,3-Dichloropropene | < 4.80 | ug/Kg | 8/27/2018 18:10 |

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Report Prepared Friday, August 31, 2018



PARADIGM

ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 183739

Client: BE3

Project Reference: 31 + 150 Tonawanda Street

Sample Identifier: BH-5 (2-4)

Lab Sample ID: 183739-04

Date Sampled: 8/15/2018

Matrix: Soil

Date Received: 8/16/2018

| | | |
|------------------------|---------------------------|-----------------|
| Trichloroethene | < 4.80 \checkmark ug/Kg | 8/27/2018 18:10 |
| Trichlorofluoromethane | < 4.80 \downarrow ug/Kg | 8/27/2018 18:10 |
| Vinyl chloride | < 4.80 \downarrow ug/Kg | 8/27/2018 18:10 |

| Surrogate | Percent Recovery | Limits | Outliers | Date Analyzed |
|-----------------------|------------------|------------|----------|-----------------|
| 1,2-Dichloroethane-d4 | 112 | 80.4 - 128 | | 8/27/2018 18:10 |
| 4-Bromofluorobenzene | 65.9 | 75.7 - 120 | * | 8/27/2018 18:10 |
| Pentafluorobenzene | 94.7 | 85.3 - 111 | | 8/27/2018 18:10 |
| Toluene-D8 | 79.3 | 85 - 112 | * | 8/27/2018 18:10 |

Internal standard outliers indicate probable matrix interference

Method Reference(s): EPA 8260C
EPA 5035A - L
Data File: x53543.D

This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Friday, August 31, 2018

mmg/22/18



PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 183739

Client: BE3

Project Reference: 31 + 150 Tonawanda Street

Sample Identifier: BH-5 (2-4)

Lab Sample ID: 183739-04

Matrix: Soil

Date Sampled: 8/15/2018

Date Received: 8/16/2018

Volatile Tentatively Identified Compounds

| <u>Tentatively Identified Compound</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|---|----------------------|---------------------|-------------------------|-----------------------------|
| None Found | < 12.0 | | | 8/27/2018 |
| Total Reported TICS | < 12.0 | | | 8/27/2018 |
| Method Reference(s): | EPA 8260C | | | |
| | EPA 5035A - L | | | |

Tentatively Identified Compound results are estimated values, based on Internal Standard response factors.

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Friday, August 31, 2018



PARADIGM

ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 183739

Client: **BE3**

Project Reference: 31 + 150 Tonawanda Street

Sample Identifier: BH-3 (4-6)

Lab Sample ID: 183739-05

Matrix: Soil

Date Sampled: 8/15/2018

Date Received: 8/16/2018

Volatile Organics

| Analyte | Result | Units | Qualifier | Date Analyzed |
|-----------------------------|------------------|-------|-----------|-----------------|
| 1,1,1-Trichloroethane | < 4.71 <i>MS</i> | ug/Kg | | 8/27/2018 18:34 |
| 1,1,2,2-Tetrachloroethane | < 4.71 | ug/Kg | | 8/27/2018 18:34 |
| 1,1,2-Trichloroethane | < 4.71 | ug/Kg | | 8/27/2018 18:34 |
| 1,1-Dichloroethane | < 4.71 | ug/Kg | | 8/27/2018 18:34 |
| 1,1-Dichloroethene | < 4.71 | ug/Kg | | 8/27/2018 18:34 |
| 1,2,3-Trichlorobenzene | < 11.8 | ug/Kg | | 8/27/2018 18:34 |
| 1,2,4-Trichlorobenzene | < 11.8 | ug/Kg | | 8/27/2018 18:34 |
| 1,2,4-Trimethylbenzene | < 4.71 | ug/Kg | | 8/27/2018 18:34 |
| 1,2-Dibromo-3-Chloropropane | < 23.5 | ug/Kg | | 8/27/2018 18:34 |
| 1,2-Dibromoethane | < 4.71 | ug/Kg | | 8/27/2018 18:34 |
| 1,2-Dichlorobenzene | < 4.71 | ug/Kg | | 8/27/2018 18:34 |
| 1,2-Dichloroethane | < 4.71 | ug/Kg | | 8/27/2018 18:34 |
| 1,2-Dichloropropane | < 4.71 | ug/Kg | | 8/27/2018 18:34 |
| 1,3,5-Trimethylbenzene | < 4.71 | ug/Kg | | 8/27/2018 18:34 |
| 1,3-Dichlorobenzene | < 4.71 | ug/Kg | | 8/27/2018 18:34 |
| 1,4-Dichlorobenzene | < 4.71 | ug/Kg | | 8/27/2018 18:34 |
| 1,4-Dioxane | < 47.1 | ug/Kg | | 8/27/2018 18:34 |
| 2-Butanone | < 23.5 | ug/Kg | | 8/27/2018 18:34 |
| 2-Hexanone | < 11.8 | ug/Kg | | 8/27/2018 18:34 |
| 4-Methyl-2-pentanone | < 11.8 | ug/Kg | | 8/27/2018 18:34 |
| Acetone | 12.9 <i>J</i> | ug/Kg | J | 8/27/2018 18:34 |
| Benzene | < 4.71 <i>MS</i> | ug/Kg | | 8/27/2018 18:34 |
| Bromochloromethane | < 11.8 | ug/Kg | | 8/27/2018 18:34 |
| Bromodichloromethane | < 4.71 | ug/Kg | | 8/27/2018 18:34 |
| Bromoform | < 11.8 | ug/Kg | | 8/27/2018 18:34 |
| Bromomethane | < 4.71 | ug/Kg | | 8/27/2018 18:34 |
| Carbon disulfide | 7.13 <i>J</i> | ug/Kg | | 8/27/2018 18:34 |

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Report Prepared Friday, August 31, 2018



PARADIGM

ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 183739

Client: **BE3**

Project Reference: 31 + 150 Tonawanda Street

Sample Identifier: BH-3 (4-6)

Lab Sample ID: 183739-05

Date Sampled: 8/15/2018

Matrix: Soil

Date Received: 8/16/2018

| | | | |
|---------------------------|--------|-------|-----------------|
| Carbon Tetrachloride | < 4.71 | ug/Kg | 8/27/2018 18:34 |
| Chlorobenzene | < 4.71 | ug/Kg | 8/27/2018 18:34 |
| Chloroethane | < 4.71 | ug/Kg | 8/27/2018 18:34 |
| Chloroform | < 4.71 | ug/Kg | 8/27/2018 18:34 |
| Chloromethane | < 4.71 | ug/Kg | 8/27/2018 18:34 |
| cis-1,2-Dichloroethene | < 4.71 | ug/Kg | 8/27/2018 18:34 |
| cis-1,3-Dichloropropene | < 4.71 | ug/Kg | 8/27/2018 18:34 |
| Cyclohexane | < 23.5 | ug/Kg | 8/27/2018 18:34 |
| Dibromochloromethane | < 4.71 | ug/Kg | 8/27/2018 18:34 |
| Dichlorodifluoromethane | < 4.71 | ug/Kg | 8/27/2018 18:34 |
| Ethylbenzene | < 4.71 | ug/Kg | 8/27/2018 18:34 |
| Freon 113 | < 4.71 | ug/Kg | 8/27/2018 18:34 |
| Isopropylbenzene | < 4.71 | ug/Kg | 8/27/2018 18:34 |
| m,p-Xylene | < 4.71 | ug/Kg | 8/27/2018 18:34 |
| Methyl acetate | < 4.71 | ug/Kg | 8/27/2018 18:34 |
| Methyl tert-butyl Ether | < 4.71 | ug/Kg | 8/27/2018 18:34 |
| Methylcyclohexane | < 4.71 | ug/Kg | 8/27/2018 18:34 |
| Methylene chloride | < 11.8 | ug/Kg | 8/27/2018 18:34 |
| Naphthalene | < 11.8 | ug/Kg | 8/27/2018 18:34 |
| n-Butylbenzene | < 4.71 | ug/Kg | 8/27/2018 18:34 |
| n-Propylbenzene | < 4.71 | ug/Kg | 8/27/2018 18:34 |
| o-Xylene | < 4.71 | ug/Kg | 8/27/2018 18:34 |
| p-Isopropyltoluene | < 4.71 | ug/Kg | 8/27/2018 18:34 |
| sec-Butylbenzene | < 4.71 | ug/Kg | 8/27/2018 18:34 |
| Styrene | < 11.8 | ug/Kg | 8/27/2018 18:34 |
| tert-Butylbenzene | < 4.71 | ug/Kg | 8/27/2018 18:34 |
| Tetrachloroethene | < 4.71 | ug/Kg | 8/27/2018 18:34 |
| Toluene | < 4.71 | ug/Kg | 8/27/2018 18:34 |
| trans-1,2-Dichloroethene | < 4.71 | ug/Kg | 8/27/2018 18:34 |
| trans-1,3-Dichloropropene | < 4.71 | ug/Kg | 8/27/2018 18:34 |

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Report Prepared Friday, August 31, 2018



PARADIGM

ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 183739

Client: BE3

Project Reference: 31 + 150 Tonawanda Street

Sample Identifier: BH-3 (4-6)

Lab Sample ID: 183739-05

Date Sampled: 8/15/2018

Matrix: Soil

Date Received: 8/16/2018

| | | |
|------------------------|---------------------------|-----------------|
| Trichloroethene | < 4.71 \checkmark ug/Kg | 8/27/2018 18:34 |
| Trichlorofluoromethane | < 4.71 \downarrow ug/Kg | 8/27/2018 18:34 |
| Vinyl chloride | < 4.71 \downarrow ug/Kg | 8/27/2018 18:34 |

| Surrogate | Percent Recovery | Limits | Outliers | Date Analyzed |
|-----------------------|------------------|------------|----------|-----------------|
| 1,2-Dichloroethane-d4 | 116 | 80.4 - 128 | | 8/27/2018 18:34 |
| 4-Bromofluorobenzene | 69.7 | 75.7 - 120 | * | 8/27/2018 18:34 |
| Pentafluorobenzene | 93.3 | 85.3 - 111 | | 8/27/2018 18:34 |
| Toluene-D8 | 102 | 85 - 112 | | 8/27/2018 18:34 |

Internal standard outliers indicate probable matrix interference

Method Reference(s): EPA 8260C

EPA 5035A - L

Data File: x53544.D

This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Friday, August 31, 2018

mp 8/22/18



PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 183739

Client: BE3

Project Reference: 31 + 150 Tonawanda Street

Sample Identifier: BH-3 (4-6)

Lab Sample ID: 183739-05

Date Sampled: 8/15/2018

Matrix: Soil

Date Received: 8/16/2018

Volatile Tentatively Identified Compounds

| <u>Tentatively Identified Compound</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|---|----------------------|---------------------|-------------------------|-----------------------------|
| None Found | < 11.8 | | | 8/27/2018 |
| Total Reported TICS | < 11.8 | | | 8/27/2018 |
| Method Reference(s): | EPA 8260C | | | |
| | EPA 5035A - L | | | |

Tentatively Identified Compound results are estimated values, based on Internal Standard response factors.

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Friday, August 31, 2018



PARADIGM

ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 183739

Client: BE3

Project Reference: 31 + 150 Tonawanda Street

Sample Identifier: BH-1 (6-7')

Lab Sample ID: 183739-01

Date Sampled: 8/15/2018

Matrix: Soil

Date Received: 8/16/2018

Semi-Volatile Organics (Acid/Base Neutrals)

| Analyte | Result | Units | Qualifier | Date Analyzed |
|------------------------------|--------|-------|-----------|-----------------|
| 1,1-Biphenyl | < 358 | ug/Kg | | 8/20/2018 17:05 |
| 1,2,4,5-Tetrachlorobenzene | < 358 | ug/Kg | | 8/20/2018 17:05 |
| 1,2,4-Trichlorobenzene | < 358 | ug/Kg | | 8/20/2018 17:05 |
| 1,2-Dichlorobenzene | < 358 | ug/Kg | | 8/20/2018 17:05 |
| 1,3-Dichlorobenzene | < 358 | ug/Kg | | 8/20/2018 17:05 |
| 1,4-Dichlorobenzene | < 358 | ug/Kg | | 8/20/2018 17:05 |
| 2,2-Oxybis (1-chloropropane) | < 358 | ug/Kg | | 8/20/2018 17:05 |
| 2,3,4,6-Tetrachlorophenol | < 358 | ug/Kg | | 8/20/2018 17:05 |
| 2,4,5-Trichlorophenol | < 358 | ug/Kg | | 8/20/2018 17:05 |
| 2,4,6-Trichlorophenol | < 358 | ug/Kg | | 8/20/2018 17:05 |
| 2,4-Dichlorophenol | < 358 | ug/Kg | | 8/20/2018 17:05 |
| 2,4-Dimethylphenol | < 358 | ug/Kg | | 8/20/2018 17:05 |
| 2,4-Dinitrophenol | < 1430 | ug/Kg | M | 8/20/2018 17:05 |
| 2,4-Dinitrotoluene | < 358 | ug/Kg | | 8/20/2018 17:05 |
| 2,6-Dinitrotoluene | < 358 | ug/Kg | | 8/20/2018 17:05 |
| 2-Chloronaphthalene | < 358 | ug/Kg | | 8/20/2018 17:05 |
| 2-Chlorophenol | < 358 | ug/Kg | | 8/20/2018 17:05 |
| 2-Methylnaphthalene | 321 | ug/Kg | J | 8/20/2018 17:05 |
| 2-Methylphenol | < 358 | ug/Kg | | 8/20/2018 17:05 |
| 2-Nitroaniline | < 358 | ug/Kg | | 8/20/2018 17:05 |
| 2-Nitrophenol | < 358 | ug/Kg | | 8/20/2018 17:05 |
| 3&4-Methylphenol | < 358 | ug/Kg | | 8/20/2018 17:05 |
| 3,3'-Dichlorobenzidine | < 358 | ug/Kg | | 8/20/2018 17:05 |
| 3-Nitroaniline | < 358 | ug/Kg | | 8/20/2018 17:05 |
| 4,6-Dinitro-2-methylphenol | < 715 | ug/Kg | M | 8/20/2018 17:05 |
| 4-Bromophenyl phenyl ether | < 358 | ug/Kg | | 8/20/2018 17:05 |
| 4-Chloro-3-methylphenol | < 358 | ug/Kg | | 8/20/2018 17:05 |

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Report Prepared Friday, August 31, 2018



PARADIGM

ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 183739

Client: **BE3**

Project Reference: 31 + 150 Tonawanda Street

Sample Identifier: BH-1 (6-7')

Lab Sample ID: 183739-01

Date Sampled: 8/15/2018

Matrix: Soil

Date Received: 8/16/2018

| | | | |
|------------------------------|-----------------|-------|-----------------|
| 4-Chloroaniline | < 358 | ug/Kg | 8/20/2018 17:05 |
| 4-Chlorophenyl phenyl ether | < 358 | ug/Kg | 8/20/2018 17:05 |
| 4-Nitroaniline | < 358 | ug/Kg | 8/20/2018 17:05 |
| 4-Nitrophenol | < 358 | ug/Kg | 8/20/2018 17:05 |
| Acenaphthene | < 358 | ug/Kg | 8/20/2018 17:05 |
| Acenaphthylene | 311 | ug/Kg | 8/20/2018 17:05 |
| Acetophenone | < 358 | ug/Kg | 8/20/2018 17:05 |
| Anthracene | 389 | ug/Kg | 8/20/2018 17:05 |
| Atrazine | < 358 <i>WJ</i> | ug/Kg | 8/20/2018 17:05 |
| Benzaldehyde | < 358 | ug/Kg | 8/20/2018 17:05 |
| Benzo (a) anthracene | 1140 | ug/Kg | 8/20/2018 17:05 |
| Benzo (a) pyrene | 981 | ug/Kg | 8/20/2018 17:05 |
| Benzo (b) fluoranthene | 1170 | ug/Kg | 8/20/2018 17:05 |
| Benzo (g,h,i) perylene | 732 | ug/Kg | 8/20/2018 17:05 |
| Benzo (k) fluoranthene | 735 | ug/Kg | 8/20/2018 17:05 |
| Bis (2-chloroethoxy) methane | < 358 | ug/Kg | 8/20/2018 17:05 |
| Bis (2-chloroethyl) ether | < 358 | ug/Kg | 8/20/2018 17:05 |
| Bis (2-ethylhexyl) phthalate | < 358 | ug/Kg | 8/20/2018 17:05 |
| Butylbenzylphthalate | < 358 | ug/Kg | 8/20/2018 17:05 |
| Caprolactam | < 358 | ug/Kg | 8/20/2018 17:05 |
| Carbazole | < 358 | ug/Kg | 8/20/2018 17:05 |
| Chrysene | 1240 | ug/Kg | 8/20/2018 17:05 |
| Dibenz (a,h) anthracene | 209 | ug/Kg | 8/20/2018 17:05 |
| Dibenzofuran | < 358 | ug/Kg | 8/20/2018 17:05 |
| Diethyl phthalate | < 358 | ug/Kg | 8/20/2018 17:05 |
| Dimethyl phthalate | < 358 | ug/Kg | 8/20/2018 17:05 |
| Di-n-butyl phthalate | < 358 | ug/Kg | 8/20/2018 17:05 |
| Di-n-octylphthalate | < 358 | ug/Kg | 8/20/2018 17:05 |
| Fluoranthene | 2340 | ug/Kg | 8/20/2018 17:05 |
| Fluorene | < 358 | ug/Kg | 8/20/2018 17:05 |

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Report Prepared Friday, August 31, 2018

myp 9/22/18



PARADIGM

ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 183739

Client: **BE3**

Project Reference: 31 + 150 Tonawanda Street

| | | | | | |
|----------------------------|-------------------------|---------------|-----------------------|----------------------|-------|
| Sample Identifier: | BH-1 (6-7') | | Date Sampled: | 8/15/2018 | |
| Lab Sample ID: | 183739-01 | | Date Received: | 8/16/2018 | |
| Matrix: | Soil | | | | |
| Hexachlorobenzene | < 358 | ug/Kg | | 8/20/2018 | 17:05 |
| Hexachlorobutadiene | < 358 | ug/Kg | | 8/20/2018 | 17:05 |
| Hexachlorocyclopentadiene | < 1430 | ug/Kg | | 8/20/2018 | 17:05 |
| Hexachloroethane | < 358 | ug/Kg | | 8/20/2018 | 17:05 |
| Indeno (1,2,3-cd) pyrene | 705 | ug/Kg | | 8/20/2018 | 17:05 |
| Isophorone | < 358 | ug/Kg | | 8/20/2018 | 17:05 |
| Naphthalene | 281 | ug/Kg | J | 8/20/2018 | 17:05 |
| Nitrobenzene | < 358 | ug/Kg | | 8/20/2018 | 17:05 |
| N-Nitroso-di-n-propylamine | < 358 | ug/Kg | | 8/20/2018 | 17:05 |
| N-Nitrosodiphenylamine | < 358 | ug/Kg | | 8/20/2018 | 17:05 |
| Pentachlorophenol | < 715 | ug/Kg | | 8/20/2018 | 17:05 |
| Phenanthrene | 1440 | ug/Kg | | 8/20/2018 | 17:05 |
| Phenol | < 358 | ug/Kg | | 8/20/2018 | 17:05 |
| Pyrene | 1890 J | ug/Kg | MD | 8/20/2018 | 17:05 |
| Surrogate | Percent Recovery | Limits | Outliers | Date Analyzed | |
| 2,4,6-Tribromophenol | 72.5 | 35.7 - 94.4 | | 8/20/2018 | 17:05 |
| 2-Fluorobiphenyl | 72.7 | 35.7 - 85.7 | | 8/20/2018 | 17:05 |
| 2-Fluorophenol | 62.9 | 39.4 - 78.1 | | 8/20/2018 | 17:05 |
| Nitrobenzene-d5 | 59.5 | 36.1 - 74.4 | | 8/20/2018 | 17:05 |
| Phenol-d5 | 62.1 | 40.6 - 79.3 | | 8/20/2018 | 17:05 |
| Terphenyl-d14 | 70.6 | 46.6 - 99.9 | | 8/20/2018 | 17:05 |

Method Reference(s): EPA 8270D
EPA 3546
Preparation Date: 8/17/2018
Data File: B30572.D

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Report Prepared Friday, August 31, 2018

mwp 9/22/18



PARADIGM

ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 183739

Client: **BE3**

Project Reference: 31 + 150 Tonawanda Street

Sample Identifier: BH-1 (6-7')

Lab Sample ID: 183739-01

Date Sampled: 8/15/2018

Matrix: Soil

Date Received: 8/16/2018

Semi-Volatile Tentatively Identified Compounds

| <u>Tentatively Identified Compound</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|--|-------------------|--------------|------------------|----------------------|
| Unknown | 2760 R | ug/Kg | B | 8/20/2018 |
| Unknown | 765 J | ug/Kg | | 8/20/2018 |
| Unknown PAH | 311 | ug/Kg | | 8/20/2018 |
| Unknown PAH | 830 | ug/Kg | | 8/20/2018 |
| Unknown Organic Acid | 9730 | ug/Kg | | 8/20/2018 |
| Unknown Ketone | 388 | ug/Kg | | 8/20/2018 |
| Unknown | 329 | ug/Kg | | 8/20/2018 |
| Unknown | 1050 | ug/Kg | | 8/20/2018 |
| (E)-9-Octadecenoic Acid | 2440 | ug/Kg | | 8/20/2018 |
| Octadecanoic Acid | 1720 | ug/Kg | | 8/20/2018 |
| Unknown | 664 | ug/Kg | | 8/20/2018 |
| Unknown PAH | 449 | ug/Kg | | 8/20/2018 |
| Unknown PAH | 758 | ug/Kg | | 8/20/2018 |
| Unknown | 376 | ug/Kg | | 8/20/2018 |
| Total Reported TICS | 22600 | ug/Kg | | 8/20/2018 |

Method Reference(s): EPA 8270D

EPA 3546

Preparation Date: 8/17/2018

Date:

Tentatively Identified Compound results are estimated values, based on Internal Standard response factors.

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Friday, August 31, 2018

mmg/2018



PARADIGM

ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 183739

Client: **BE3**

Project Reference: 31 + 150 Tonawanda Street

Sample Identifier: BH-2 (8-10") Native

Lab Sample ID: 183739-02

Date Sampled: 8/15/2018

Matrix: Soil

Date Received: 8/16/2018

| | | | |
|------------------------------|----------|-------|-------------------|
| 4-Chloroaniline | < 335 | ug/Kg | 8/20/2018 18:35 |
| 4-Chlorophenyl phenyl ether | < 335 | ug/Kg | 8/20/2018 18:35 |
| 4-Nitroaniline | < 335 | ug/Kg | 8/20/2018 18:35 |
| 4-Nitrophenol | < 335 | ug/Kg | 8/20/2018 18:35 |
| Acenaphthene | < 335 | ug/Kg | 8/20/2018 18:35 |
| Acenaphthylene | < 335 | ug/Kg | 8/20/2018 18:35 |
| Acetophenone | < 335 | ug/Kg | 8/20/2018 18:35 |
| Anthracene | < 335 | ug/Kg | 8/20/2018 18:35 |
| Atrazine | < 335 MS | ug/Kg | 8/20/2018 18:35 |
| Benzaldehyde | < 335 | ug/Kg | 8/20/2018 18:35 |
| Benzo (a) anthracene | 185 | ug/Kg | J 8/20/2018 18:35 |
| Benzo (a) pyrene | < 335 | ug/Kg | 8/20/2018 18:35 |
| Benzo (b) fluoranthene | < 335 | ug/Kg | 8/20/2018 18:35 |
| Benzo (g,h,i) perylene | < 335 | ug/Kg | 8/20/2018 18:35 |
| Benzo (k) fluoranthene | < 335 | ug/Kg | 8/20/2018 18:35 |
| Bis (2-chloroethoxy) methane | < 335 | ug/Kg | 8/20/2018 18:35 |
| Bis (2-chloroethyl) ether | < 335 | ug/Kg | 8/20/2018 18:35 |
| Bis (2-ethylhexyl) phthalate | < 335 | ug/Kg | 8/20/2018 18:35 |
| Butylbenzylphthalate | < 335 | ug/Kg | 8/20/2018 18:35 |
| Caprolactam | < 335 | ug/Kg | 8/20/2018 18:35 |
| Carbazole | < 335 | ug/Kg | 8/20/2018 18:35 |
| Chrysene | 216 | ug/Kg | J 8/20/2018 18:35 |
| Dibenz (a,h) anthracene | < 335 | ug/Kg | 8/20/2018 18:35 |
| Dibenzofuran | < 335 | ug/Kg | 8/20/2018 18:35 |
| Diethyl phthalate | < 335 | ug/Kg | 8/20/2018 18:35 |
| Dimethyl phthalate | < 335 | ug/Kg | 8/20/2018 18:35 |
| Di-n-butyl phthalate | < 335 | ug/Kg | 8/20/2018 18:35 |
| Di-n-octylphthalate | < 335 | ug/Kg | 8/20/2018 18:35 |
| Fluoranthene | 383 | ug/Kg | 8/20/2018 18:35 |
| Fluorene | < 335 | ug/Kg | 8/20/2018 18:35 |

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Report Prepared Friday, August 31, 2018



PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 183739

Client: BE3

Project Reference: 31 + 150 Tonawanda Street

Sample Identifier: BH-2 (8-10') Native

Lab Sample ID: 183739-02

Date Sampled: 8/15/2018

Matrix: Soil

Date Received: 8/16/2018

Semi-Volatile Tentatively Identified Compounds

| <u>Tentatively Identified Compound</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|---|----------------------|---------------------|-------------------------|-----------------------------|
| Unknown | 1410 R | | B | 8/20/2018 |
| Total Reported TICS | 1410 | | | 8/20/2018 |
| Method Reference(s): | EPA 8270D | | | |
| | EPA 3546 | | | |
| Preparation Date: | 8/17/2018 | | | |

Tentatively Identified Compound results are estimated values, based on Internal Standard response factors.

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Friday, August 31, 2018

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PARADIGM

ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 183739

Client: BE3

Project Reference: 31 + 150 Tonawanda Street

| | | | | |
|------------------------------|---------------------|-------|----------------|-----------|
| Sample Identifier: | BH-6 (5.5-8) Native | | | |
| Lab Sample ID: | 183739-03 | | Date Sampled: | 8/15/2018 |
| Matrix: | Soil | | Date Received: | 8/16/2018 |
| 4-Chloroaniline | < 330 | ug/Kg | 8/20/2018 | 19:04 |
| 4-Chlorophenyl phenyl ether | < 330 | ug/Kg | 8/20/2018 | 19:04 |
| 4-Nitroaniline | < 330 | ug/Kg | 8/20/2018 | 19:04 |
| 4-Nitrophenol | < 330 | ug/Kg | 8/20/2018 | 19:04 |
| Acenaphthene | < 330 | ug/Kg | 8/20/2018 | 19:04 |
| Acenaphthylene | < 330 | ug/Kg | 8/20/2018 | 19:04 |
| Acetophenone | < 330 | ug/Kg | 8/20/2018 | 19:04 |
| Anthracene | < 330 | ug/Kg | 8/20/2018 | 19:04 |
| Atrazine | < 330 | ug/Kg | 8/20/2018 | 19:04 |
| Benzaldehyde | < 330 | ug/Kg | 8/20/2018 | 19:04 |
| Benzo (a) anthracene | < 330 | ug/Kg | 8/20/2018 | 19:04 |
| Benzo (a) pyrene | < 330 | ug/Kg | 8/20/2018 | 19:04 |
| Benzo (b) fluoranthene | < 330 | ug/Kg | 8/20/2018 | 19:04 |
| Benzo (g,h,i) perylene | < 330 | ug/Kg | 8/20/2018 | 19:04 |
| Benzo (k) fluoranthene | < 330 | ug/Kg | 8/20/2018 | 19:04 |
| Bis (2-chloroethoxy) methane | < 330 | ug/Kg | 8/20/2018 | 19:04 |
| Bis (2-chloroethyl) ether | < 330 | ug/Kg | 8/20/2018 | 19:04 |
| Bis (2-ethylhexyl) phthalate | < 330 | ug/Kg | 8/20/2018 | 19:04 |
| Butylbenzylphthalate | < 330 | ug/Kg | 8/20/2018 | 19:04 |
| Caprolactam | < 330 | ug/Kg | 8/20/2018 | 19:04 |
| Carbazole | < 330 | ug/Kg | 8/20/2018 | 19:04 |
| Chrysene | < 330 | ug/Kg | 8/20/2018 | 19:04 |
| Dibenz (a,h) anthracene | < 330 | ug/Kg | 8/20/2018 | 19:04 |
| Dibenzofuran | < 330 | ug/Kg | 8/20/2018 | 19:04 |
| Diethyl phthalate | < 330 | ug/Kg | 8/20/2018 | 19:04 |
| Dimethyl phthalate | < 330 | ug/Kg | 8/20/2018 | 19:04 |
| Di-n-butyl phthalate | < 330 | ug/Kg | 8/20/2018 | 19:04 |
| Di-n-octylphthalate | < 330 | ug/Kg | 8/20/2018 | 19:04 |
| Fluoranthene | < 330 | ug/Kg | 8/20/2018 | 19:04 |
| Fluorene | < 330 | ug/Kg | 8/20/2018 | 19:04 |

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Report Prepared Friday, August 31, 2018



PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 183739

Client: BE3

Project Reference: 31 + 150 Tonawanda Street

Sample Identifier: BH-6 (5.5-8) Native

Lab Sample ID: 183739-03

Date Sampled: 8/15/2018

Matrix: Soil

Date Received: 8/16/2018

Semi-Volatile Tentatively Identified Compounds

| Tentatively Identified Compound | Result | Units | Qualifier | Date Analyzed |
|--|---------------|--------------|------------------|----------------------|
| Unknown | 1530 R | | B | 8/20/2018 |
| Total Reported TICS | 1530 | | | 8/20/2018 |
| Method Reference(s): | EPA 8270D | | | |
| | EPA 3546 | | | |
| Preparation Date: | 8/17/2018 | | | |

Tentatively Identified Compound results are estimated values, based on Internal Standard response factors.

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Report Prepared Friday, August 31, 2018



PARADIGM

ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 183739

Client: BE3

Project Reference: 31 + 150 Tonawanda Street

Sample Identifier: BH-5 (2-4)

Lab Sample ID: 183739-04

Date Sampled: 8/15/2018

Matrix: Soil

Date Received: 8/16/2018

| | | | |
|------------------------------|-----------------|-------|-------------------|
| 4-Chloroaniline | < 314 | ug/Kg | 8/20/2018 19:34 |
| 4-Chlorophenyl phenyl ether | < 314 | ug/Kg | 8/20/2018 19:34 |
| 4-Nitroaniline | < 314 | ug/Kg | 8/20/2018 19:34 |
| 4-Nitrophenol | < 314 | ug/Kg | 8/20/2018 19:34 |
| Acenaphthene | < 314 | ug/Kg | 8/20/2018 19:34 |
| Acenaphthylene | < 314 | ug/Kg | 8/20/2018 19:34 |
| Acetophenone | < 314 | ug/Kg | 8/20/2018 19:34 |
| Anthracene | < 314 | ug/Kg | 8/20/2018 19:34 |
| Atrazine | < 314 <i>WJ</i> | ug/Kg | 8/20/2018 19:34 |
| Benzaldehyde | < 314 | ug/Kg | 8/20/2018 19:34 |
| Benzo (a) anthracene | 393 | ug/Kg | 8/20/2018 19:34 |
| Benzo (a) pyrene | 355 | ug/Kg | 8/20/2018 19:34 |
| Benzo (b) fluoranthene | 1080 | ug/Kg | 8/20/2018 19:34 |
| Benzo (g,h,i) perylene | 730 | ug/Kg | 8/20/2018 19:34 |
| Benzo (k) fluoranthene | 321 | ug/Kg | 8/20/2018 19:34 |
| Bis (2-chloroethoxy) methane | < 314 | ug/Kg | 8/20/2018 19:34 |
| Bis (2-chloroethyl) ether | < 314 | ug/Kg | 8/20/2018 19:34 |
| Bis (2-ethylhexyl) phthalate | < 314 | ug/Kg | 8/20/2018 19:34 |
| Butylbenzylphthalate | < 314 | ug/Kg | 8/20/2018 19:34 |
| Caprolactam | < 314 | ug/Kg | 8/20/2018 19:34 |
| Carbazole | < 314 | ug/Kg | 8/20/2018 19:34 |
| Chrysene | 773 | ug/Kg | 8/20/2018 19:34 |
| Dibenz (a,h) anthracene | 255 | ug/Kg | J 8/20/2018 19:34 |
| Dibenzofuran | < 314 | ug/Kg | 8/20/2018 19:34 |
| Diethyl phthalate | < 314 | ug/Kg | 8/20/2018 19:34 |
| Dimethyl phthalate | < 314 | ug/Kg | 8/20/2018 19:34 |
| Di-n-butyl phthalate | < 314 | ug/Kg | 8/20/2018 19:34 |
| Di-n-octylphthalate | < 314 | ug/Kg | 8/20/2018 19:34 |
| Fluoranthene | 642 | ug/Kg | 8/20/2018 19:34 |
| Fluorene | < 314 | ug/Kg | 8/20/2018 19:34 |

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Report Prepared Friday, August 31, 2018



PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 183739

Client: BE3

Project Reference: 31 + 150 Tonawanda Street

Sample Identifier: BH-5 (2-4)

Lab Sample ID: 183739-04

Date Sampled: 8/15/2018

Matrix: Soil

Date Received: 8/16/2018

Semi-Volatile Tentatively Identified Compounds

| <u>Tentatively Identified Compound</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|--|------------------|--------------|------------------|----------------------|
| Unknown | 978 R | | B | 8/20/2018 |
| Sulfur | 3150 JN | | | 8/20/2018 |
| Unknown PAH | 791 J | | | 8/20/2018 |
| Unknown PAH | 421 | | | 8/20/2018 |
| Unknown PAH | 390 ↓ | | | 8/20/2018 |
| Total Reported TICS | 5730 | | | 8/20/2018 |
| Method Reference(s): | EPA 8270D | | | |
| | EPA 3546 | | | |
| Preparation Date: | 8/17/2018 | | | |

Tentatively Identified Compound results are estimated values, based on Internal Standard response factors.

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Friday, August 31, 2018

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PARADIGM

ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 183739

Client: BE3

Project Reference: 31 + 150 Tonawanda Street

| | | | | |
|------------------------------|------------|-------|----------------|-----------------|
| Sample Identifier: | BH-3 (4-6) | | | |
| Lab Sample ID: | 183739-05 | | Date Sampled: | 8/15/2018 |
| Matrix: | Soil | | Date Received: | 8/16/2018 |
| 4-Chloroaniline | < 333 | ug/Kg | | 8/20/2018 20:03 |
| 4-Chlorophenyl phenyl ether | < 333 | ug/Kg | | 8/20/2018 20:03 |
| 4-Nitroaniline | < 333 | ug/Kg | | 8/20/2018 20:03 |
| 4-Nitrophenol | < 333 | ug/Kg | | 8/20/2018 20:03 |
| Acenaphthene | 177 | ug/Kg | J | 8/20/2018 20:03 |
| Acenaphthylene | < 333 | ug/Kg | | 8/20/2018 20:03 |
| Acetophenone | < 333 | ug/Kg | | 8/20/2018 20:03 |
| Anthracene | 566 | ug/Kg | | 8/20/2018 20:03 |
| Atrazine | < 333 | ug/Kg | | 8/20/2018 20:03 |
| Benzaldehyde | < 333 | ug/Kg | | 8/20/2018 20:03 |
| Benzo (a) anthracene | 1160 | ug/Kg | | 8/20/2018 20:03 |
| Benzo (a) pyrene | 892 | ug/Kg | | 8/20/2018 20:03 |
| Benzo (b) fluoranthene | 865 | ug/Kg | | 8/20/2018 20:03 |
| Benzo (g,h,i) perylene | 589 | ug/Kg | | 8/20/2018 20:03 |
| Benzo (k) fluoranthene | 779 | ug/Kg | | 8/20/2018 20:03 |
| Bis (2-chloroethoxy) methane | < 333 | ug/Kg | | 8/20/2018 20:03 |
| Bis (2-chloroethyl) ether | < 333 | ug/Kg | | 8/20/2018 20:03 |
| Bis (2-ethylhexyl) phthalate | 377 | ug/Kg | | 8/20/2018 20:03 |
| Butylbenzylphthalate | < 333 | ug/Kg | | 8/20/2018 20:03 |
| Caprolactam | < 333 | ug/Kg | | 8/20/2018 20:03 |
| Carbazole | 256 | ug/Kg | J | 8/20/2018 20:03 |
| Chrysene | 1190 | ug/Kg | | 8/20/2018 20:03 |
| Dibenz (a,h) anthracene | 202 | ug/Kg | J | 8/20/2018 20:03 |
| Dibenzofuran | 170 | ug/Kg | J | 8/20/2018 20:03 |
| Diethyl phthalate | < 333 | ug/Kg | | 8/20/2018 20:03 |
| Dimethyl phthalate | < 333 | ug/Kg | | 8/20/2018 20:03 |
| Di-n-butyl phthalate | < 333 | ug/Kg | | 8/20/2018 20:03 |
| Di-n-octylphthalate | < 333 | ug/Kg | | 8/20/2018 20:03 |
| Fluoranthene | 2480 | ug/Kg | | 8/20/2018 20:03 |
| Fluorene | 250 | ug/Kg | J | 8/20/2018 20:03 |

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Report Prepared Friday, August 31, 2018



PARADIGM

ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 183739

Client: BE3

Project Reference: 31 + 150 Tonawanda Street

Sample Identifier: BH-3 (4-6)

Lab Sample ID: 183739-05

Date Sampled: 8/15/2018

Matrix: Soil

Date Received: 8/16/2018

Semi-Volatile Tentatively Identified Compounds

| <u>Tentatively Identified Compound</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|--|---------------|--------------|------------------|----------------------|
| Unknown | 1370 R | | B | 8/20/2018 |
| Unknown PAH | 301 J | | | 8/20/2018 |
| Unknown PAH | 440 | | | 8/20/2018 |
| Unknown PAH | 438 | | | 8/20/2018 |
| Unknown | 269 | | | 8/20/2018 |
| Unknown | 502 | | | 8/20/2018 |
| Unknown PAH | 326 | | | 8/20/2018 |
| Unknown Alkane | 396 | | | 8/20/2018 |
| Unknown PAH | 1360 | | | 8/20/2018 |
| Unknown Alkane | 337 | | | 8/20/2018 |
| Unknown PAH | 353 | | | 8/20/2018 |
| Unknown | 308 | | | 8/20/2018 |
| Total Reported TICS | 6400 | | | 8/20/2018 |
| Method Reference(s): | EPA 8270D | | | |
| | EPA 3546 | | | |
| Preparation Date: | 8/17/2018 | | | |

Tentatively Identified Compound results are estimated values, based on Internal Standard response factors.

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Friday, August 31, 2018

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PARADIGM

ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 183739

Client: BE3

Project Reference: 31 + 150 Tonawanda Street

Sample Identifier: BH-4 (2.8-4') Native

Lab Sample ID: 183739-06

Date Sampled: 8/15/2018

Matrix: Soil

Date Received: 8/16/2018

| | | | |
|------------------------------|-------|-------|-----------------|
| 4-Chloroaniline | < 328 | ug/Kg | 8/20/2018 20:33 |
| 4-Chlorophenyl phenyl ether | < 328 | ug/Kg | 8/20/2018 20:33 |
| 4-Nitroaniline | < 328 | ug/Kg | 8/20/2018 20:33 |
| 4-Nitrophenol | < 328 | ug/Kg | 8/20/2018 20:33 |
| Acenaphthene | < 328 | ug/Kg | 8/20/2018 20:33 |
| Acenaphthylene | < 328 | ug/Kg | 8/20/2018 20:33 |
| Acetophenone | < 328 | ug/Kg | 8/20/2018 20:33 |
| Anthracene | < 328 | ug/Kg | 8/20/2018 20:33 |
| Atrazine | < 328 | ug/Kg | 8/20/2018 20:33 |
| Benzaldehyde | < 328 | ug/Kg | 8/20/2018 20:33 |
| Benzo (a) anthracene | < 328 | ug/Kg | 8/20/2018 20:33 |
| Benzo (a) pyrene | < 328 | ug/Kg | 8/20/2018 20:33 |
| Benzo (b) fluoranthene | < 328 | ug/Kg | 8/20/2018 20:33 |
| Benzo (g,h,i) perylene | < 328 | ug/Kg | 8/20/2018 20:33 |
| Benzo (k) fluoranthene | < 328 | ug/Kg | 8/20/2018 20:33 |
| Bis (2-chloroethoxy) methane | < 328 | ug/Kg | 8/20/2018 20:33 |
| Bis (2-chloroethyl) ether | < 328 | ug/Kg | 8/20/2018 20:33 |
| Bis (2-ethylhexyl) phthalate | < 328 | ug/Kg | 8/20/2018 20:33 |
| Butylbenzylphthalate | < 328 | ug/Kg | 8/20/2018 20:33 |
| Caprolactam | < 328 | ug/Kg | 8/20/2018 20:33 |
| Carbazole | < 328 | ug/Kg | 8/20/2018 20:33 |
| Chrysene | < 328 | ug/Kg | 8/20/2018 20:33 |
| Dibenz (a,h) anthracene | < 328 | ug/Kg | 8/20/2018 20:33 |
| Dibenzofuran | < 328 | ug/Kg | 8/20/2018 20:33 |
| Diethyl phthalate | < 328 | ug/Kg | 8/20/2018 20:33 |
| Dimethyl phthalate | < 328 | ug/Kg | 8/20/2018 20:33 |
| Di-n-butyl phthalate | < 328 | ug/Kg | 8/20/2018 20:33 |
| Di-n-octylphthalate | < 328 | ug/Kg | 8/20/2018 20:33 |
| Fluoranthene | < 328 | ug/Kg | 8/20/2018 20:33 |
| Fluorene | < 328 | ug/Kg | 8/20/2018 20:33 |

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Report Prepared Friday, August 31, 2018

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PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 183739

Client: **BE3**

Project Reference: 31 + 150 Tonawanda Street

Sample Identifier: BH-4 (2.8-4') Native

Lab Sample ID: 183739-06

Date Sampled: 8/15/2018

Matrix: Soil

Date Received: 8/16/2018

Semi-Volatile Tentatively Identified Compounds

| <u>Tentatively Identified Compound</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|---|----------------------|---------------------|-------------------------|-----------------------------|
| Unknown | 1400 R | | B | 8/20/2018 |
| Unknown | 1110 J | | | 8/20/2018 |
| Unknown Aldehyde | 305 | | | 8/20/2018 |
| Unknown | 459 | | | 8/20/2018 |
| Unknown Alkane | 322 | | | 8/20/2018 |
| Unknown | 352 | | | 8/20/2018 |
| Unknown | 370 | | | 8/20/2018 |
| .Gamma.-Sitosterol | 656 | | | 8/20/2018 |
| Unknown | 359 | | | 8/20/2018 |
| Unknown | 296 | | | 8/20/2018 |
| Total Reported TICS | 5630 | | | 8/20/2018 |

Method Reference(s): EPA 8270D

EPA 3546

Preparation

Date:

8/17/2018

Tentatively Identified Compound results are estimated values, based on Internal Standard response factors.

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Friday, August 31, 2018



PARADIGM

ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 183739

Client: **BE3**

Project Reference: 31 + 150 Tonawanda Street

Sample Identifier: BH-6 (0-1)

Lab Sample ID: 183739-07

Date Sampled: 8/15/2018

Matrix: Soil

Date Received: 8/16/2018

| | | | |
|------------------------------|-------|-------|-----------------|
| 4-Chloroaniline | < 286 | ug/Kg | 8/20/2018 21:02 |
| 4-Chlorophenyl phenyl ether | < 286 | ug/Kg | 8/20/2018 21:02 |
| 4-Nitroaniline | < 286 | ug/Kg | 8/20/2018 21:02 |
| 4-Nitrophenol | < 286 | ug/Kg | 8/20/2018 21:02 |
| Acenaphthene | 364 | ug/Kg | 8/20/2018 21:02 |
| Acenaphthylene | 320 | ug/Kg | 8/20/2018 21:02 |
| Acetophenone | < 286 | ug/Kg | 8/20/2018 21:02 |
| Anthracene | 968 | ug/Kg | 8/20/2018 21:02 |
| Atrazine | < 286 | ug/Kg | 8/20/2018 21:02 |
| Benzaldehyde | < 286 | ug/Kg | 8/20/2018 21:02 |
| Benzo (a) anthracene | 2560 | ug/Kg | 8/20/2018 21:02 |
| Benzo (a) pyrene | 2080 | ug/Kg | 8/20/2018 21:02 |
| Benzo (b) fluoranthene | 2260 | ug/Kg | 8/20/2018 21:02 |
| Benzo (g,h,i) perylene | 1340 | ug/Kg | 8/20/2018 21:02 |
| Benzo (k) fluoranthene | 1400 | ug/Kg | 8/20/2018 21:02 |
| Bis (2-chloroethoxy) methane | < 286 | ug/Kg | 8/20/2018 21:02 |
| Bis (2-chloroethyl) ether | < 286 | ug/Kg | 8/20/2018 21:02 |
| Bis (2-ethylhexyl) phthalate | < 286 | ug/Kg | 8/20/2018 21:02 |
| Butylbenzylphthalate | < 286 | ug/Kg | 8/20/2018 21:02 |
| Caprolactam | < 286 | ug/Kg | 8/20/2018 21:02 |
| Carbazole | 451 | ug/Kg | 8/20/2018 21:02 |
| Chrysene | 2560 | ug/Kg | 8/20/2018 21:02 |
| Dibenz (a,h) anthracene | 362 | ug/Kg | 8/20/2018 21:02 |
| Dibenzofuran | 319 | ug/Kg | 8/20/2018 21:02 |
| Diethyl phthalate | < 286 | ug/Kg | 8/20/2018 21:02 |
| Dimethyl phthalate | < 286 | ug/Kg | 8/20/2018 21:02 |
| Di-n-butyl phthalate | < 286 | ug/Kg | 8/20/2018 21:02 |
| Di-n-octylphthalate | < 286 | ug/Kg | 8/20/2018 21:02 |
| Fluoranthene | 5850 | ug/Kg | 8/20/2018 21:02 |
| Fluorene | 326 | ug/Kg | 8/20/2018 21:02 |

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Report Prepared Friday, August 31, 2018



PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 183739

Client: BE3

Project Reference: 31 + 150 Tonawanda Street

Sample Identifier: BH-6 (0-1)

Lab Sample ID: 183739-07

Date Sampled: 8/15/2018

Matrix: Soil

Date Received: 8/16/2018

Semi-Volatile Tentatively Identified Compounds

| <u>Tentatively Identified Compound</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|--|---------------|--------------|------------------|----------------------|
| Unknown | 4750 J | | B | 8/20/2018 |
| Unknown PAH | 468 | | | 8/20/2018 |
| Unknown PAH | 635 | | | 8/20/2018 |
| Unknown PAH | 1290 | | | 8/20/2018 |
| Unknown Organic Acid | 538 | | | 8/20/2018 |
| 9,10-Anthracenedione | 966 JN | | | 8/20/2018 |
| Unknown | 577 J | | | 8/20/2018 |
| Unknown PAH | 926 | | | 8/20/2018 |
| N-Methylpyrene | 468 JN | | | 8/20/2018 |
| Unknown | 635 J | | | 8/20/2018 |
| Unknown | 760 | | | 8/20/2018 |
| 7H-Benz[de]anthracen-7-one | 480 JN | | | 8/20/2018 |
| Unknown PAH | 595 J | | | 8/20/2018 |
| Unknown PAH | 658 | | | 8/20/2018 |
| Unknown PAH | 623 | | | 8/20/2018 |
| Unknown PAH | 2060 | | | 8/20/2018 |
| Unknown PAH | 560 | | | 8/20/2018 |
| Unknown PAH | 1090 | | | 8/20/2018 |
| .Gamma.-Sitosterol | 577 | | | 8/20/2018 |
| .Alpha.-Amyrin | 1030 | | | 8/20/2018 |
| Total Reported TICS | 19700 | | | 8/20/2018 |

Method Reference(s): EPA 8270D

EPA 3546

Preparation Date: 8/17/2018

Tentatively Identified Compound results are estimated values, based on Internal Standard response factors.

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Friday, August 31, 2018

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PARADIGM

ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 183739

Client: **BE3**

Project Reference: 31 + 150 Tonawanda Street

| | | | | | |
|------------------------------|---------------------|-------|---|----------------|-----------|
| Sample Identifier: | BH-2 (0-1) | | | Date Sampled: | 8/15/2018 |
| Lab Sample ID: | 183739-08 | | | Date Received: | 8/16/2018 |
| Matrix: | Soil | | | | |
| 4-Chloroaniline | < 307 | ug/Kg | | 8/20/2018 | 21:31 |
| 4-Chlorophenyl phenyl ether | < 307 | ug/Kg | | 8/20/2018 | 21:31 |
| 4-Nitroaniline | < 307 | ug/Kg | | 8/20/2018 | 21:31 |
| 4-Nitrophenol | < 307 | ug/Kg | | 8/20/2018 | 21:31 |
| Acenaphthene | 404 | ug/Kg | | 8/20/2018 | 21:31 |
| Acenaphthylene | < 307 | ug/Kg | | 8/20/2018 | 21:31 |
| Acetophenone | < 307 | ug/Kg | | 8/20/2018 | 21:31 |
| Anthracene | 1220 | ug/Kg | | 8/20/2018 | 21:31 |
| Atrazine | < 307 ⁴⁵ | ug/Kg | | 8/20/2018 | 21:31 |
| Benzaldehyde | < 307 | ug/Kg | | 8/20/2018 | 21:31 |
| Benzo (a) anthracene | 4020 | ug/Kg | | 8/20/2018 | 21:31 |
| Benzo (a) pyrene | 3890 | ug/Kg | | 8/20/2018 | 21:31 |
| Benzo (b) fluoranthene | 4360 | ug/Kg | | 8/20/2018 | 21:31 |
| Benzo (g,h,i) perylene | 2930 | ug/Kg | | 8/20/2018 | 21:31 |
| Benzo (k) fluoranthene | 2280 | ug/Kg | | 8/20/2018 | 21:31 |
| Bis (2-chloroethoxy) methane | < 307 | ug/Kg | | 8/20/2018 | 21:31 |
| Bis (2-chloroethyl) ether | < 307 | ug/Kg | | 8/20/2018 | 21:31 |
| Bis (2-ethylhexyl) phthalate | < 307 | ug/Kg | | 8/20/2018 | 21:31 |
| Butylbenzylphthalate | < 307 | ug/Kg | | 8/20/2018 | 21:31 |
| Caprolactam | < 307 | ug/Kg | | 8/20/2018 | 21:31 |
| Carbazole | 656 | ug/Kg | | 8/20/2018 | 21:31 |
| Chrysene | 4320 | ug/Kg | | 8/20/2018 | 21:31 |
| Dibenz (a,h) anthracene | 613 | ug/Kg | | 8/20/2018 | 21:31 |
| Dibenzofuran | 206 | ug/Kg | J | 8/20/2018 | 21:31 |
| Diethyl phthalate | < 307 | ug/Kg | | 8/20/2018 | 21:31 |
| Dimethyl phthalate | < 307 | ug/Kg | | 8/20/2018 | 21:31 |
| Di-n-butyl phthalate | < 307 | ug/Kg | | 8/20/2018 | 21:31 |
| Di-n-octylphthalate | < 307 | ug/Kg | | 8/20/2018 | 21:31 |
| Fluoranthene | 9020 | ug/Kg | | 8/20/2018 | 21:31 |
| Fluorene | 383 | ug/Kg | | 8/20/2018 | 21:31 |

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Report Prepared Friday, August 31, 2018



PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 183739

Client: BE3

Project Reference: 31 + 150 Tonawanda Street

Sample Identifier: BH-2 (0-1)

Lab Sample ID: 183739-08

Date Sampled: 8/15/2018

Matrix: Soil

Date Received: 8/16/2018

Semi-Volatile Tentatively Identified Compounds

| Tentatively Identified Compound | Result | Units | Qualifier | Date Analyzed |
|---------------------------------|-------------------|-------|-----------|---------------|
| Unknown | 2860 R | | B | 8/20/2018 |
| Unknown | 707 J | | | 8/20/2018 |
| Unknown | 1360 J | | | 8/20/2018 |
| 4H-Cyclopenta[def]phenanthrene | 817 JN | | | 8/20/2018 |
| Unknown | 719 J | | | 8/20/2018 |
| Unknown PAH | 873 | | | 8/20/2018 |
| Unknown PAH | 2180 | | | 8/20/2018 |
| N-Methylpyrene | 1010 | | | 8/20/2018 |
| N-Methylpyrene | 651 | | | 8/20/2018 |
| Benzo[b]naphtho[n,n-d]thiophene | 664 JN | | | 8/20/2018 |
| Unknown PAH | 996 J | | | 8/20/2018 |
| Unknown PAH | 1070 | | | 8/20/2018 |
| Unknown PAH | 780 | | | 8/20/2018 |
| Unknown | 585 | | | 8/20/2018 |
| Unknown PAH | 1370 | | | 8/20/2018 |
| Unknown PAH | 2550 | | | 8/20/2018 |
| Unknown | 1430 | | | 8/20/2018 |
| Unknown PAH | 848 | | | 8/20/2018 |
| Unknown PAH | 811 | | | 8/20/2018 |
| Unknown PAH | 799 | | | 8/20/2018 |
| Total Reported TICS | 23100 | | | 8/20/2018 |

Method Reference(s): EPA 8270D

EPA 3546

Preparation Date: 8/17/2018

Tentatively Identified Compound results are estimated values, based on Internal Standard response factors.

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Report Prepared Friday, August 31, 2018

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PARADIGM

ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 183739

Client: BE3

Project Reference: 31 + 150 Tonawanda Street

Sample Identifier: BH-4 (0-1)

Lab Sample ID: 183739-09

Matrix: Soil

Date Sampled: 8/15/2018

Date Received: 8/16/2018

Semi-Volatile Organics (Acid/Base Neutrals)

| Analyte | Result | Units | Qualifier | Date Analyzed |
|------------------------------|-----------------|-------|-----------|-----------------|
| 1,1-Biphenyl | 195 | ug/Kg | J | 8/20/2018 22:01 |
| 1,2,4,5-Tetrachlorobenzene | < 302 | ug/Kg | | 8/20/2018 22:01 |
| 1,2,4-Trichlorobenzene | < 302 | ug/Kg | | 8/20/2018 22:01 |
| 1,2-Dichlorobenzene | < 302 | ug/Kg | | 8/20/2018 22:01 |
| 1,3-Dichlorobenzene | < 302 | ug/Kg | | 8/20/2018 22:01 |
| 1,4-Dichlorobenzene | < 302 | ug/Kg | | 8/20/2018 22:01 |
| 2,2-Oxybis (1-chloropropane) | < 302 | ug/Kg | | 8/20/2018 22:01 |
| 2,3,4,6-Tetrachlorophenol | < 302 <i>uJ</i> | ug/Kg | | 8/20/2018 22:01 |
| 2,4,5-Trichlorophenol | < 302 | ug/Kg | | 8/20/2018 22:01 |
| 2,4,6-Trichlorophenol | < 302 | ug/Kg | | 8/20/2018 22:01 |
| 2,4-Dichlorophenol | < 302 | ug/Kg | | 8/20/2018 22:01 |
| 2,4-Dimethylphenol | < 302 | ug/Kg | | 8/20/2018 22:01 |
| 2,4-Dinitrophenol | < 1210 <i>✓</i> | ug/Kg | | 8/20/2018 22:01 |
| 2,4-Dinitrotoluene | < 302 | ug/Kg | | 8/20/2018 22:01 |
| 2,6-Dinitrotoluene | < 302 | ug/Kg | | 8/20/2018 22:01 |
| 2-Chloronaphthalene | < 302 | ug/Kg | | 8/20/2018 22:01 |
| 2-Chlorophenol | < 302 <i>uJ</i> | ug/Kg | | 8/20/2018 22:01 |
| 2-Methylnaphthalene | 1590 | ug/Kg | | 8/20/2018 22:01 |
| 2-Methylphenol | < 302 <i>uJ</i> | ug/Kg | | 8/20/2018 22:01 |
| 2-Nitroaniline | < 302 | ug/Kg | | 8/20/2018 22:01 |
| 2-Nitrophenol | < 302 <i>uJ</i> | ug/Kg | | 8/20/2018 22:01 |
| 3&4-Methylphenol | < 302 <i>uJ</i> | ug/Kg | | 8/20/2018 22:01 |
| 3,3'-Dichlorobenzidine | < 302 | ug/Kg | | 8/20/2018 22:01 |
| 3-Nitroaniline | < 302 | ug/Kg | | 8/20/2018 22:01 |
| 4,6-Dinitro-2-methylphenol | < 604 <i>uJ</i> | ug/Kg | | 8/20/2018 22:01 |
| 4-Bromophenyl phenyl ether | < 302 | ug/Kg | | 8/20/2018 22:01 |
| 4-Chloro-3-methylphenol | < 302 <i>uJ</i> | ug/Kg | | 8/20/2018 22:01 |

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Report Prepared Friday, August 31, 2018

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PARADIGM

ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 183739

Client: **BE3**

Project Reference: 31 + 150 Tonawanda Street

| | | | |
|------------------------------|-----------------|-----------------------|-------------------|
| Sample Identifier: | BH-4 (0-1) | | |
| Lab Sample ID: | 183739-09 | Date Sampled: | 8/15/2018 |
| Matrix: | Soil | Date Received: | 8/16/2018 |
| 4-Chloroaniline | < 302 | ug/Kg | 8/20/2018 22:01 |
| 4-Chlorophenyl phenyl ether | < 302 | ug/Kg | 8/20/2018 22:01 |
| 4-Nitroaniline | < 302 | ug/Kg | 8/20/2018 22:01 |
| 4-Nitrophenol | < 302 <i>u5</i> | ug/Kg | 8/20/2018 22:01 |
| Acenaphthene | < 302 | ug/Kg | 8/20/2018 22:01 |
| Acenaphthylene | 929 | ug/Kg | 8/20/2018 22:01 |
| Acetophenone | < 302 | ug/Kg | 8/20/2018 22:01 |
| Anthracene | 672 | ug/Kg | 8/20/2018 22:01 |
| Atrazine | < 302 <i>u5</i> | ug/Kg | 8/20/2018 22:01 |
| Benzaldehyde | < 302 | ug/Kg | 8/20/2018 22:01 |
| Benzo (a) anthracene | 1300 | ug/Kg | 8/20/2018 22:01 |
| Benzo (a) pyrene | 1030 | ug/Kg | 8/20/2018 22:01 |
| Benzo (b) fluoranthene | 1380 | ug/Kg | 8/20/2018 22:01 |
| Benzo (g,h,i) perylene | 708 | ug/Kg | 8/20/2018 22:01 |
| Benzo (k) fluoranthene | 1010 | ug/Kg | 8/20/2018 22:01 |
| Bis (2-chloroethoxy) methane | < 302 | ug/Kg | 8/20/2018 22:01 |
| Bis (2-chloroethyl) ether | < 302 | ug/Kg | 8/20/2018 22:01 |
| Bis (2-ethylhexyl) phthalate | < 302 | ug/Kg | 8/20/2018 22:01 |
| Butylbenzylphthalate | < 302 | ug/Kg | 8/20/2018 22:01 |
| Caprolactam | < 302 | ug/Kg | 8/20/2018 22:01 |
| Carbazole | < 302 | ug/Kg | 8/20/2018 22:01 |
| Chrysene | 1450 | ug/Kg | 8/20/2018 22:01 |
| Dibenz (a,h) anthracene | 266 | ug/Kg | J 8/20/2018 22:01 |
| Dibenzofuran | 537 | ug/Kg | 8/20/2018 22:01 |
| Diethyl phthalate | < 302 | ug/Kg | 8/20/2018 22:01 |
| Dimethyl phthalate | < 302 | ug/Kg | 8/20/2018 22:01 |
| Di-n-butyl phthalate | < 302 | ug/Kg | 8/20/2018 22:01 |
| Di-n-octylphthalate | < 302 | ug/Kg | 8/20/2018 22:01 |
| Fluoranthene | 1760 | ug/Kg | 8/20/2018 22:01 |
| Fluorene | < 302 | ug/Kg | 8/20/2018 22:01 |

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Report Prepared Friday, August 31, 2018



PARADIGM

ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 183739

Client: **BE3**

Project Reference: 31 + 150 Tonawanda Street

Sample Identifier: BH-4 (0-1)

Lab Sample ID: 183739-09

Date Sampled: 8/15/2018

Matrix: Soil

Date Received: 8/16/2018

| | | | |
|----------------------------|-----------------|-------|-----------------|
| Hexachlorobenzene | < 302 | ug/Kg | 8/20/2018 22:01 |
| Hexachlorobutadiene | < 302 | ug/Kg | 8/20/2018 22:01 |
| Hexachlorocyclopentadiene | < 1210 | ug/Kg | 8/20/2018 22:01 |
| Hexachloroethane | < 302 | ug/Kg | 8/20/2018 22:01 |
| Indeno (1,2,3-cd) pyrene | 736 | ug/Kg | 8/20/2018 22:01 |
| Isophorone | < 302 | ug/Kg | 8/20/2018 22:01 |
| Naphthalene | 1190 | ug/Kg | 8/20/2018 22:01 |
| Nitrobenzene | < 302 | ug/Kg | 8/20/2018 22:01 |
| N-Nitroso-di-n-propylamine | < 302 | ug/Kg | 8/20/2018 22:01 |
| N-Nitrosodiphenylamine | < 302 | ug/Kg | 8/20/2018 22:01 |
| Pentachlorophenol | < 604 <i>u3</i> | ug/Kg | 8/20/2018 22:01 |
| Phenanthrene | 1230 | ug/Kg | 8/20/2018 22:01 |
| Phenol | < 302 <i>u3</i> | ug/Kg | 8/20/2018 22:01 |
| Pyrene | 1520 | ug/Kg | 8/20/2018 22:01 |

| Surrogate | Percent Recovery | Limits | Outliers | Date Analyzed |
|----------------------|------------------|-------------|----------|-----------------|
| 2,4,6-Tribromophenol | 46.0 | 35.7 - 94.4 | | 8/20/2018 22:01 |
| 2-Fluorobiphenyl | 47.1 | 35.7 - 85.7 | | 8/20/2018 22:01 |
| 2-Fluorophenol | 37.6 | 39.4 - 78.1 | * | 8/20/2018 22:01 |
| Nitrobenzene-d5 | 37.7 | 36.1 - 74.4 | | 8/20/2018 22:01 |
| Phenol-d5 | 38.6 | 40.6 - 79.3 | * | 8/20/2018 22:01 |
| Terphenyl-d14 | 45.9 | 46.6 - 99.9 | * | 8/20/2018 22:01 |

Method Reference(s): EPA 8270D
EPA 3546
Preparation Date: 8/17/2018
Data File: B30582.D

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Report Prepared Friday, August 31, 2018

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PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 183739

Client: **BE3**

Project Reference: 31 + 150 Tonawanda Street

Sample Identifier: BH-4 (0-1)

Lab Sample ID: 183739-09

Matrix: Soil

Date Sampled: 8/15/2018

Date Received: 8/16/2018

Semi-Volatile Tentatively Identified Compounds

| Tentatively Identified Compound | Result | Units | Qualifier | Date Analyzed |
|--|-------------------|--------------|------------------|----------------------|
| Unknown | 1780 R | | B | 8/20/2018 |
| N,N,N-Trimethylbenzene | 834 J | | | 8/20/2018 |
| N,N,N-Trimethylbenzene | 1080 | | | 8/20/2018 |
| Unknown Benzene | 803 | | | 8/20/2018 |
| Unknown PAH | 1290 | | | 8/20/2018 |
| N,N-Dimethylnaphthalene | 1080 | | | 8/20/2018 |
| N,N-Dimethylnaphthalene | 1690 | | | 8/20/2018 |
| N,N-Dimethylnaphthalene | 984 | | | 8/20/2018 |
| N,N-Dimethylnaphthalene | 840 | | | 8/20/2018 |
| N,N,N-Trimethylnaphthalene | 815 | | | 8/20/2018 |
| N,N,N-Trimethylnaphthalene | 785 | | | 8/20/2018 |
| Unknown Alkane | 1310 | | | 8/20/2018 |
| Unknown PAH | 864 | | | 8/20/2018 |
| Unknown PAH | 834 | | | 8/20/2018 |
| Unknown Alkane | 1490 | | | 8/20/2018 |
| Unknown PAH | 1350 | | | 8/20/2018 |
| Sulfur | 10100 | | | 8/20/2018 |
| Unknown PAH | 785 | | | 8/20/2018 |
| Unknown PAH | 1260 | | | 8/20/2018 |
| Unknown PAH | 749 | | | 8/20/2018 |
| Total Reported TICS | 30700 | | | 8/20/2018 |

Method Reference(s): EPA 8270D

EPA 3546

Preparation Date: 8/17/2018

Date:

Tentatively Identified Compound results are estimated values, based on Internal Standard response factors.

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Report Prepared Friday, August 31, 2018

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PARADIGM

ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 183739

Client: **BE3**

Project Reference: 31 + 150 Tonawanda Street

Sample Identifier: BH-1 (6-7')

Lab Sample ID: 183739-01

Date Sampled: 8/15/2018

Matrix: Soil

Date Received: 8/16/2018

Chlorinated Pesticides

| Analyte | Result | Units | Qualifier | Date Analyzed |
|---------------------|---------|-------|-----------|-----------------|
| 4,4-DDD | < 3.85 | ug/Kg | | 8/21/2018 16:30 |
| 4,4-DDE | < 3.85 | ug/Kg | | 8/21/2018 16:30 |
| 4,4-DDT | 5.45 | ug/Kg | | 8/21/2018 16:30 |
| Aldrin | < 3.85 | ug/Kg | | 8/21/2018 16:30 |
| alpha-BHC | < 3.85 | ug/Kg | | 8/21/2018 16:30 |
| beta-BHC | < 3.85 | ug/Kg | | 8/21/2018 16:30 |
| cis-Chlordane | < 3.85 | ug/Kg | | 8/21/2018 16:30 |
| delta-BHC | < 3.85 | ug/Kg | | 8/21/2018 16:30 |
| Dieldrin | < 3.85 | ug/Kg | | 8/21/2018 16:30 |
| Endosulfan I | < 3.85 | ug/Kg | | 8/21/2018 16:30 |
| Endosulfan II | < 3.85 | ug/Kg | | 8/21/2018 16:30 |
| Endosulfan Sulfate | 2.39 J | ug/Kg | JP | 8/21/2018 16:30 |
| Endrin | 4.15 J | ug/Kg | P | 8/21/2018 16:30 |
| Endrin Aldehyde | < 3.85 | ug/Kg | | 8/21/2018 16:30 |
| Endrin Ketone | 4.24 | ug/Kg | | 8/21/2018 16:30 |
| gamma-BHC (Lindane) | < 3.85 | ug/Kg | | 8/21/2018 16:30 |
| Heptachlor | < 3.85 | ug/Kg | | 8/21/2018 16:30 |
| Heptachlor Epoxide | < 3.85 | ug/Kg | | 8/21/2018 16:30 |
| Methoxychlor | 7.53 JN | ug/Kg | P | 8/21/2018 16:30 |
| Toxaphene | < 38.5 | ug/Kg | | 8/21/2018 16:30 |
| trans-Chlordane | < 3.85 | ug/Kg | | 8/21/2018 16:30 |

| Surrogate | Percent Recovery | Limits | Outliers | Date Analyzed |
|--------------------------|------------------|------------|----------|-----------------|
| Decachlorobiphenyl (1) | 110 | 46.2 - 125 | | 8/21/2018 16:30 |
| Tetrachloro-m-xylene (1) | 51.5 | 29 - 98.8 | | 8/21/2018 16:30 |

Method Reference(s): EPA 8081B

EPA 3546

Preparation Date: 8/21/2018

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Report Prepared Friday, August 31, 2018



PARADIGM

ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 183739

Client: BE3

Project Reference: 31 + 150 Tonawanda Street

Sample Identifier: BH-5 (2-4)

Lab Sample ID: 183739-04

Date Sampled: 8/15/2018

Matrix: Soil

Date Received: 8/16/2018

Chlorinated Pesticides

| Analyte | Result | Units | Qualifier | Date Analyzed |
|---------------------|-----------------------|-------|-----------|-----------------|
| 4,4-DDD | < 3.75 | ug/Kg | | 8/23/2018 18:41 |
| 4,4-DDE | < 3.75 | ug/Kg | | 8/23/2018 18:41 |
| 4,4-DDT | < 3.75 | ug/Kg | | 8/23/2018 18:41 |
| Aldrin | < 3.75 | ug/Kg | | 8/23/2018 18:41 |
| alpha-BHC | < 3.75 | ug/Kg | | 8/23/2018 18:41 |
| beta-BHC | < 3.75 | ug/Kg | | 8/23/2018 18:41 |
| cis-Chlordane | 2.19 J | ug/Kg | J | 8/23/2018 18:41 |
| delta-BHC | < 3.75 | ug/Kg | | 8/23/2018 18:41 |
| Dieldrin | < 3.75 | ug/Kg | | 8/23/2018 18:41 |
| Endosulfan I | < 3.75 | ug/Kg | | 8/23/2018 18:41 |
| Endosulfan II | < 3.75 | ug/Kg | | 8/23/2018 18:41 |
| Endosulfan Sulfate | 3.75u 2.77 | ug/Kg | JP | 8/23/2018 18:41 |
| Endrin | < 3.75 | ug/Kg | | 8/23/2018 18:41 |
| Endrin Aldehyde | 1.95 | ug/Kg | J | 8/23/2018 18:41 |
| Endrin Ketone | 3.75u 1.88 | ug/Kg | JP | 8/23/2018 18:41 |
| gamma-BHC (Lindane) | < 3.75 | ug/Kg | | 8/23/2018 18:41 |
| Heptachlor | < 3.75 | ug/Kg | | 8/23/2018 18:41 |
| Heptachlor Epoxide | < 3.75 | ug/Kg | | 8/23/2018 18:41 |
| Methoxychlor | < 3.75 | ug/Kg | | 8/23/2018 18:41 |
| Toxaphene | < 37.5 | ug/Kg | | 8/23/2018 18:41 |
| trans-Chlordane | < 3.75 | ug/Kg | | 8/23/2018 18:41 |

| Surrogate | Percent Recovery | Limits | Outliers | Date Analyzed |
|--------------------------|------------------|------------|----------|-----------------|
| Decachlorobiphenyl (1) | 86.6 | 46.2 - 125 | | 8/23/2018 18:41 |
| Tetrachloro-m-xylene (1) | 63.7 | 29 - 98.8 | | 8/23/2018 18:41 |

Method Reference(s): EPA 8081B

EPA 3546

Preparation Date: 8/21/2018

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Report Prepared Friday, August 31, 2018



PARADIGM

ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 183739

Client: BE3

Project Reference: 31 + 150 Tonawanda Street

Sample Identifier: BH-3 (4-6)

Lab Sample ID: 183739-05

Date Sampled: 8/15/2018

Matrix: Soil

Date Received: 8/16/2018

Chlorinated Pesticides

| Analyte | Result | Units | Qualifier | Date Analyzed |
|---------------------|------------------------|-------|-----------|-----------------|
| 4,4-DDD | 3.45 U 2.07 | ug/Kg | JP | 8/21/2018 18:03 |
| 4,4-DDE | 3.45 U 2.68 | ug/Kg | JP | 8/21/2018 18:03 |
| 4,4-DDT | 3.45 U 3.07 | ug/Kg | JP | 8/21/2018 18:03 |
| Aldrin | < 3.95 | ug/Kg | | 8/21/2018 18:03 |
| alpha-BHC | < 3.95 | ug/Kg | | 8/21/2018 18:03 |
| beta-BHC | < 3.95 | ug/Kg | | 8/21/2018 18:03 |
| cis-Chlordane | 13.2 | ug/Kg | | 8/21/2018 18:03 |
| delta-BHC | < 3.95 | ug/Kg | | 8/21/2018 18:03 |
| Dieldrin | 3.45 U 3.26 | ug/Kg | JP | 8/21/2018 18:03 |
| Endosulfan I | < 3.95 | ug/Kg | | 8/21/2018 18:03 |
| Endosulfan II | < 3.95 | ug/Kg | | 8/21/2018 18:03 |
| Endosulfan Sulfate | 4.58 JN | ug/Kg | P | 8/21/2018 18:03 |
| Endrin | 4.10 J | ug/Kg | P | 8/21/2018 18:03 |
| Endrin Aldehyde | < 3.95 | ug/Kg | | 8/21/2018 18:03 |
| Endrin Ketone | 7.15 | ug/Kg | | 1/2018 18:03 |
| gamma-BHC (Lindane) | < 3.95 | ug/Kg | | 1/2018 18:03 |
| Heptachlor | < 3.95 | ug/Kg | | 1/2018 18:03 |
| Heptachlor Epoxide | 2.16 J | ug/Kg | | 1/2018 18:03 |
| Methoxychlor | 13.0 JN | ug/Kg | | 1/2018 18:03 |
| Toxaphene | < 39.5 | ug/Kg | | 1/2018 18:03 |
| trans-Chlordane | < 3.95 | ug/Kg | | 1/2018 18:03 |

No P for Endrin

| Surrogate | Percent Recovery | Limits | Outliers | Date Analyzed |
|--------------------------|------------------|------------|----------|-----------------|
| Decachlorobiphenyl (1) | 166 | 46.2 - 125 | * | 8/21/2018 18:03 |
| Tetrachloro-m-xylene (1) | 75.3 | 29 - 98.8 | | 8/21/2018 18:03 |

Method Reference(s): EPA 8081B

EPA 3546

Preparation Date: 8/21/2018

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Report Prepared Friday, August 31, 2018

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PARADIGM

ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 183739

Client: **BE3**

Project Reference: 31 + 150 Tonawanda Street

Sample Identifier: BH-6 (0-1)

Lab Sample ID: 183739-07

Date Sampled: 8/15/2018

Matrix: Soil

Date Received: 8/16/2018

Chlorinated Pesticides

| Analyte | Result | Units | Qualifier | Date Analyzed |
|---------------------|-------------------------------|-------|-----------|-----------------|
| 4,4-DDD | 9.85 <i>JN</i> | ug/Kg | P | 8/21/2018 18:34 |
| 4,4-DDE | 8.93 <i>JN</i> | ug/Kg | P | 8/21/2018 18:34 |
| 4,4-DDT | 31.9 | ug/Kg | | 8/21/2018 18:34 |
| Aldrin | 10.0 <i>JN</i> | ug/Kg | P | 8/21/2018 18:34 |
| alpha-BHC | < 3.19 | ug/Kg | | 8/21/2018 18:34 |
| beta-BHC | 6.92 <i>JN</i> | ug/Kg | P | 8/21/2018 18:34 |
| cis-Chlordane | 3.19 <i>u</i> 2.65 | ug/Kg | JP | 8/21/2018 18:34 |
| delta-BHC | 4.02 | ug/Kg | | 8/21/2018 18:34 |
| Dieldrin | 8.88 <i>JN</i> | ug/Kg | P | 8/21/2018 18:34 |
| Endosulfan I | < 3.19 | ug/Kg | | 8/21/2018 18:34 |
| Endosulfan II | < 3.19 | ug/Kg | | 8/21/2018 18:34 |
| Endosulfan Sulfate | 7.34 <i>J</i> | ug/Kg | P | 8/21/2018 18:34 |
| Endrin | 10.0 <i>JN</i> | ug/Kg | P | 8/21/2018 18:34 |
| Endrin Aldehyde | 4.46 <i>JN</i> | ug/Kg | P | 8/21/2018 18:34 |
| Endrin Ketone | 14.3 <i>J</i> | ug/Kg | | 8/21/2018 18:34 |
| gamma-BHC (Lindane) | < 3.19 | ug/Kg | | 8/21/2018 18:34 |
| Heptachlor | 3.19 <i>u</i> 1.80 | ug/Kg | JP | 8/21/2018 18:34 |
| Heptachlor Epoxide | 27.9 | ug/Kg | | 8/21/2018 18:34 |
| Methoxychlor | 22.5 <i>JN</i> | ug/Kg | P | 8/21/2018 18:34 |
| Toxaphene | < 31.9 | ug/Kg | | 8/21/2018 18:34 |
| trans-Chlordane | 11.9 <i>JN</i> | ug/Kg | P | 8/21/2018 18:34 |

| Surrogate | Percent Recovery | Limits | Outliers | Date Analyzed |
|--------------------------|------------------|------------|----------|-----------------|
| Decachlorobiphenyl (1) | 410 | 46.2 - 125 | * | 8/21/2018 18:34 |
| Tetrachloro-m-xylene (1) | 79.1 | 29 - 98.8 | | 8/21/2018 18:34 |

Method Reference(s): EPA 8081B

EPA 3546

Preparation Date:

8/21/2018

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Report Prepared Friday, August 31, 2018

mkp 9/22/18



PARADIGM

ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 183739

Client: **BE3**

Project Reference: 31 + 150 Tonawanda Street

Sample Identifier: BH-2 (0-1)

Lab Sample ID: 183739-08

Date Sampled: 8/15/2018

Matrix: Soil

Date Received: 8/16/2018

Chlorinated Pesticides

| Analyte | Result | Units | Qualifier | Date Analyzed |
|---------------------|-------------------------------|-------|-----------|-----------------|
| 4,4-DDD | < 3.37 | ug/Kg | | 8/21/2018 18:49 |
| 4,4-DDE | 5.27 <i>JN</i> | ug/Kg | P | 8/21/2018 18:49 |
| 4,4-DDT | < 3.37 | ug/Kg | | 8/21/2018 18:49 |
| Aldrin | < 3.37 | ug/Kg | | 8/21/2018 18:49 |
| alpha-BHC | < 3.37 | ug/Kg | | 8/21/2018 18:49 |
| beta-BHC | < 3.37 | ug/Kg | | 8/21/2018 18:49 |
| cis-Chlordane | < 3.37 | ug/Kg | | 8/21/2018 18:49 |
| delta-BHC | < 3.37 | ug/Kg | | 8/21/2018 18:49 |
| Dieldrin | 2.17 | ug/Kg | J | 8/21/2018 18:49 |
| Endosulfan I | < 3.37 | ug/Kg | | 8/21/2018 18:49 |
| Endosulfan II | < 3.37 | ug/Kg | | 8/21/2018 18:49 |
| Endosulfan Sulfate | 3.19 <i>J</i> | ug/Kg | JP | 8/21/2018 18:49 |
| Endrin | 3.37 <i>U</i> 1.75 | ug/Kg | JP | 8/21/2018 18:49 |
| Endrin Aldehyde | < 3.37 | ug/Kg | | 8/21/2018 18:49 |
| Endrin Ketone | 3.37 <i>U</i> 2.64 | ug/Kg | JP | 8/21/2018 18:49 |
| gamma-BHC (Lindane) | < 3.37 | ug/Kg | | 8/21/2018 18:49 |
| Heptachlor | < 3.37 | ug/Kg | | 8/21/2018 18:49 |
| Heptachlor Epoxide | < 3.37 | ug/Kg | | 8/21/2018 18:49 |
| Methoxychlor | 9.82 <i>JN</i> | ug/Kg | P | 8/21/2018 18:49 |
| Toxaphene | < 33.7 | ug/Kg | | 8/21/2018 18:49 |
| trans-Chlordane | 2.33 <i>J</i> | ug/Kg | JP | 8/21/2018 18:49 |

| Surrogate | Percent Recovery | Limits | Outliers | Date Analyzed |
|--------------------------|------------------|------------|----------|-----------------|
| Decachlorobiphenyl (1) | 113 | 46.2 - 125 | | 8/21/2018 18:49 |
| Tetrachloro-m-xylene (1) | 65.2 | 29 - 98.8 | | 8/21/2018 18:49 |

Method Reference(s): EPA 8081B
EPA 3546
Preparation Date: 8/21/2018

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Report Prepared Friday, August 31, 2018



PARADIGM

ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 183739

Client: BE3

Project Reference: 31 + 150 Tonawanda Street

Sample Identifier: BH-4 (0-1)

Lab Sample ID: 183739-09

Date Sampled: 8/15/2018

Matrix: Soil

Date Received: 8/16/2018

Chlorinated Pesticides

| Analyte | Result | Units | Qualifier | Date Analyzed |
|---------------------|------------|-------|-----------|-----------------|
| 4,4-DDD | < 3.38 | ug/Kg | | 8/23/2018 18:57 |
| 4,4-DDE | < 3.38 | ug/Kg | | 8/23/2018 18:57 |
| 4,4-DDT | < 3.38 | ug/Kg | | 8/23/2018 18:57 |
| Aldrin | < 3.38 | ug/Kg | | 8/23/2018 18:57 |
| alpha-BHC | < 3.38 | ug/Kg | | 8/23/2018 18:57 |
| beta-BHC | < 3.38 | ug/Kg | | 8/23/2018 18:57 |
| cis-Chlordane | 12.8 | ug/Kg | | 8/23/2018 18:57 |
| delta-BHC | 3.79 | ug/Kg | | 8/23/2018 18:57 |
| Dieldrin | < 3.38 | ug/Kg | | 8/23/2018 18:57 |
| Endosulfan I | < 3.38 | ug/Kg | | 8/23/2018 18:57 |
| Endosulfan II | < 3.38 | ug/Kg | | 8/23/2018 18:57 |
| Endosulfan Sulfate | 3.384 3.27 | ug/Kg | JP | 8/23/2018 18:57 |
| Endrin | < 3.38 | ug/Kg | | 8/23/2018 18:57 |
| Endrin Aldehyde | 4.61 | ug/Kg | | 8/23/2018 18:57 |
| Endrin Ketone | 7.93 J | ug/Kg | P | 8/23/2018 18:57 |
| gamma-BHC (Lindane) | < 3.38 | ug/Kg | | 8/23/2018 18:57 |
| Heptachlor | < 3.38 | ug/Kg | | 8/23/2018 18:57 |
| Heptachlor Epoxide | 2.28 J | ug/Kg | JP | 8/23/2018 18:57 |
| Methoxychlor | 7.90 JH | ug/Kg | P | 8/23/2018 18:57 |
| Toxaphene | < 33.8 | ug/Kg | | 8/23/2018 18:57 |
| trans-Chlordane | < 3.38 | ug/Kg | | 8/23/2018 18:57 |

| Surrogate | Percent Recovery | Limits | Outliers | Date Analyzed |
|--------------------------|------------------|------------|----------|-----------------|
| Decachlorobiphenyl (1) | 39.3 | 46.2 - 125 | * | 8/23/2018 18:57 |
| Tetrachloro-m-xylene (1) | 37.7 | 29 - 98.8 | | 8/23/2018 18:57 |

Method Reference(s): EPA 8081B

EPA 3546

Preparation Date: 8/21/2018

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Report Prepared Friday, August 31, 2018



PARADIGM

ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 183739

Client: BE3

Project Reference: 31 + 150 Tonawanda Street

Sample Identifier: BH-1 (6-7')

Lab Sample ID: 183739-01

Date Sampled: 8/15/2018

Matrix: Soil

Date Received: 8/16/2018

PCBs

| Analyte | Result | Units | Qualifier | Date Analyzed |
|----------|----------|-------|-----------|-----------------|
| PCB-1016 | < 0.0368 | mg/Kg | | 8/23/2018 20:06 |
| PCB-1221 | < 0.0368 | mg/Kg | | 8/23/2018 20:06 |
| PCB-1232 | < 0.0368 | mg/Kg | | 8/23/2018 20:06 |
| PCB-1242 | < 0.0368 | mg/Kg | | 8/23/2018 20:06 |
| PCB-1248 | < 0.0368 | mg/Kg | | 8/23/2018 20:06 |
| PCB-1254 | < 0.0368 | mg/Kg | | 8/23/2018 20:06 |
| PCB-1260 | 0.0205 J | mg/Kg | J | 8/23/2018 20:06 |
| PCB-1262 | < 0.0368 | mg/Kg | | 8/23/2018 20:06 |
| PCB-1268 | < 0.0368 | mg/Kg | | 8/23/2018 20:06 |

| Surrogate | Percent Recovery | Limits | Outliers | Date Analyzed |
|----------------------|------------------|------------|----------|-----------------|
| Decachlorobiphenyl | 28.7 | 23.4 - 108 | | 8/23/2018 20:06 |
| Tetrachloro-m-xylene | 20.9 | 10 - 84 | | 8/23/2018 20:06 |

Method Reference(s): EPA 8082A

EPA 3546

Preparation Date: 8/23/2018

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Report Prepared Friday, August 31, 2018



PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 183739

Client: **BE3**

Project Reference: 31 + 150 Tonawanda Street

Sample Identifier: BH-3 (4-6)

Lab Sample ID: 183739-05

Date Sampled: 8/15/2018

Matrix: Soil

Date Received: 8/16/2018

PCBs

| Analyte | Result | Units | Qualifier | Date Analyzed |
|----------|----------|-------|-----------|-----------------|
| PCB-1016 | < 0.0340 | mg/Kg | | 8/23/2018 21:38 |
| PCB-1221 | < 0.0340 | mg/Kg | | 8/23/2018 21:38 |
| PCB-1232 | < 0.0340 | mg/Kg | | 8/23/2018 21:38 |
| PCB-1242 | < 0.0340 | mg/Kg | | 8/23/2018 21:38 |
| PCB-1248 | < 0.0340 | mg/Kg | | 8/23/2018 21:38 |
| PCB-1254 | < 0.0340 | mg/Kg | | 8/23/2018 21:38 |
| PCB-1260 | 0.0380 J | mg/Kg | | 8/23/2018 21:38 |
| PCB-1262 | < 0.0340 | mg/Kg | | 8/23/2018 21:38 |
| PCB-1268 | < 0.0340 | mg/Kg | | 8/23/2018 21:38 |

| Surrogate | Percent Recovery | Limits | Outliers | Date Analyzed |
|----------------------|------------------|------------|----------|-----------------|
| Decachlorobiphenyl | 84.8 | 23.4 - 108 | | 8/23/2018 21:38 |
| Tetrachloro-m-xylene | 39.7 | 10 - 84 | | 8/23/2018 21:38 |

Method Reference(s): EPA 8082A

EPA 3546

Preparation Date: 8/23/2018

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Report Prepared Friday, August 31, 2018

mvp 9/22/18



PARADIGM

ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 183739

Client: BE3

Project Reference: 31 + 150 Tonawanda Street

Sample Identifier: BH-6 (0-1)

Lab Sample ID: 183739-07

Date Sampled: 8/15/2018

Matrix: Soil

Date Received: 8/16/2018

PCBs

| Analyte | Result | Units | Qualifier | Date Analyzed |
|----------|----------|-------|-----------|-----------------|
| PCB-1016 | < 0.0280 | mg/Kg | | 8/23/2018 22:25 |
| PCB-1221 | < 0.0280 | mg/Kg | | 8/23/2018 22:25 |
| PCB-1232 | < 0.0280 | mg/Kg | | 8/23/2018 22:25 |
| PCB-1242 | < 0.0280 | mg/Kg | | 8/23/2018 22:25 |
| PCB-1248 | < 0.0280 | mg/Kg | | 8/23/2018 22:25 |
| PCB-1254 | 0.140 J | mg/Kg | | 8/23/2018 22:25 |
| PCB-1260 | < 0.0280 | mg/Kg | | 8/23/2018 22:25 |
| PCB-1262 | < 0.0280 | mg/Kg | | 8/23/2018 22:25 |
| PCB-1268 | < 0.0280 | mg/Kg | | 8/23/2018 22:25 |

| Surrogate | Percent Recovery | Limits | Outliers | Date Analyzed |
|----------------------|------------------|------------|----------|-----------------|
| Decachlorobiphenyl | 32.7 | 23.4 - 108 | | 8/23/2018 22:25 |
| Tetrachloro-m-xylene | 20.4 | 10 - 84 | | 8/23/2018 22:25 |

Method Reference(s): BPA 8082A

BPA 3546

Preparation Date: 8/23/2018

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Report Prepared Friday, August 31, 2018



PARADIGM

ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 183739

Client: BE3

Project Reference: 31 + 150 Tonawanda Street

Sample Identifier: BH-2 (0-1)

Lab Sample ID: 183739-08

Date Sampled: 8/15/2018

Matrix: Soil

Date Received: 8/16/2018

PCBs

| Analyte | Result | Units | Qualifier | Date Analyzed |
|----------|----------|-------|-----------|-----------------|
| PCB-1016 | < 0.0282 | mg/Kg | | 8/23/2018 22:48 |
| PCB-1221 | < 0.0282 | mg/Kg | | 8/23/2018 22:48 |
| PCB-1232 | < 0.0282 | mg/Kg | | 8/23/2018 22:48 |
| PCB-1242 | < 0.0282 | mg/Kg | | 8/23/2018 22:48 |
| PCB-1248 | < 0.0282 | mg/Kg | | 8/23/2018 22:48 |
| PCB-1254 | < 0.0282 | mg/Kg | | 8/23/2018 22:48 |
| PCB-1260 | 0.0377 J | mg/Kg | | 8/23/2018 22:48 |
| PCB-1262 | < 0.0282 | mg/Kg | | 8/23/2018 22:48 |
| PCB-1268 | < 0.0282 | mg/Kg | | 8/23/2018 22:48 |

| Surrogate | Percent Recovery | Limits | Outliers | Date Analyzed |
|----------------------|------------------|------------|----------|-----------------|
| Decachlorobiphenyl | 46.9 | 23.4 - 108 | | 8/23/2018 22:48 |
| Tetrachloro-m-xylene | 36.9 | 10 - 84 | | 8/23/2018 22:48 |

Method Reference(s): EPA 8082A

EPA 3546

Preparation Date: 8/23/2018

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Report Prepared Friday, August 31, 2018

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PARADIGM

ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 183739

Client: BE3

Project Reference: 31 + 150 Tonawanda Street

Sample Identifier: BH-4 (0-1)

Lab Sample ID: 183739-09

Date Sampled: 8/15/2018

Matrix: Soil

Date Received: 8/16/2018

PCBs

| Analyte | Result | Units | Qualifier | Date Analyzed |
|----------|----------|-------|-----------|-----------------|
| PCB-1016 | < 0.0324 | mg/Kg | | 8/23/2018 23:11 |
| PCB-1221 | < 0.0324 | mg/Kg | | 8/23/2018 23:11 |
| PCB-1232 | < 0.0324 | mg/Kg | | 8/23/2018 23:11 |
| PCB-1242 | < 0.0324 | mg/Kg | | 8/23/2018 23:11 |
| PCB-1248 | < 0.0324 | mg/Kg | | 8/23/2018 23:11 |
| PCB-1254 | < 0.0324 | mg/Kg | | 8/23/2018 23:11 |
| PCB-1260 | < 0.0324 | mg/Kg | | 8/23/2018 23:11 |
| PCB-1262 | < 0.0324 | mg/Kg | | 8/23/2018 23:11 |
| PCB-1268 | < 0.0324 | mg/Kg | | 8/23/2018 23:11 |

| Surrogate | Percent Recovery | Limits | Outliers | Date Analyzed |
|----------------------|------------------|------------|----------|-----------------|
| Decachlorobiphenyl | 6.24 | 23.4 - 108 | * | 8/23/2018 23:11 |
| Tetrachloro-m-xylene | 4.46 | 10 - 84 | * | 8/23/2018 23:11 |

Method Reference(s): EPA 8082A

EPA 3546

Preparation Date: 8/23/2018

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Report Prepared Friday, August 31, 2018

msc 9/22/18



PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 183739

Client: BE3

Project Reference: 31 + 150 Tonawanda Street

Sample Identifier: BH-5 (2-4)

Lab Sample ID: 183739-04

Date Sampled: 8/15/2018

Matrix: Soil

Date Received: 8/16/2018

Metals

| Analyte | Result | Units | Qualifier | Date Analyzed |
|-----------|---------|-------|-----------|-----------------|
| Arsenic | 3.96 J | mg/Kg | M | 8/20/2018 11:35 |
| Barium | 64.2 | mg/Kg | | 8/20/2018 11:35 |
| Beryllium | 0.582 | mg/Kg | | 8/20/2018 11:35 |
| Cadmium | 0.544 J | mg/Kg | M | 8/20/2018 11:35 |
| Chromium | 24.7 J | mg/Kg | M | 8/20/2018 11:35 |
| Copper | 54.5 J | mg/Kg | DM | 8/20/2018 11:35 |
| Lead | 23.1 J | mg/Kg | DM | 8/20/2018 11:35 |
| Manganese | 1560 J | mg/Kg | D | 8/21/2018 17:50 |
| Nickel | 20.0 J | mg/Kg | M | 8/20/2018 11:35 |
| Selenium | < 1.07 | mg/Kg | | 8/20/2018 11:35 |
| Silver | 1.98 | mg/Kg | D | 8/20/2018 11:35 |
| Zinc | 71.3 J | mg/Kg | M | 8/20/2018 11:35 |

Method Reference(s): EPA 6010C

EPA 3050B

Preparation Date: 8/17/2018

Data File: 180820A

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Report Prepared Friday, August 31, 2018

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Appendix B

Laboratory QC Documentation

2
VOLATILE SURROGATE RECOVERY

Lab Name: Paradigm Environmental Services
 Lab Project #: 183739
 Client Name: BE3
 Client Project Name: 31 + 150 Tonawanda Street
 Client Project #: N/A
 SDG No.: 3739-01

Matrix: Soil
 QC Batch: voas180827

Instrument ID: Instrument1
 GC Column: DB-624 ID (mm): 0.20 Detector: MSD

| LAB SAMPLE NO. | CLIENT SAMPLE ID | PFB (%Recovery) | 12DCEd4 (%Recovery) | Td8 (%Recovery) | 4BFB (%Recovery) | Total Out |
|-------------------|----------------------|--------------------|------------------------|--------------------|---------------------|--------------|
| 1 Blk 1 | N/A | 94.6 | 107 | 111 | 96.8 | 0 |
| 2 LCS 1 | N/A | 101 | 99.3 | 102 | 106 | 0 |
| 3 183739-01 | BH-1 (6-7') | 92.7 | 109 | 83.6 * | 69.1 * | 2 |
| 4 183739-02 | BH-2 (8-10') Native | 96.5 | 112 | 94.4 | 88.7 | 0 |
| 5 183739-03 | BH-6 (5.5-8) Native | 87.7 | 109 | 89.9 | 82.5 | 0 |
| 6 183739-04 | BH-5 (2-4) | 94.7 | 112 | 79.3 * | 65.9 * | 2 |
| 7 183739-05 | BH-3 (4-6) | 93.3 | 116 | 102 | 69.7 * | 1 |
| 8 183739-06 | BH-4 (2.8-4') Native | 90.2 | 112 | 87.8 | 86.0 | 0 |
| 9 | | | | | | |
| 10 | | | | | | |
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| 24 | | | | | | |
| 25 | | | | | | |

QC LIMITS %

PFB = Pentafluorobenzene (85.3 - 111)
 12DCEd4 = 1,2-Dichloroethane-d4 (80.4 - 128)
 Td8 = Toluene-d8 (85 - 112)
 4BFB = 4-Bromofluorobenzene (75.7 - 120)

* Values outside of current required QC limits
 D Surrogate diluted out

VOLATILE INTERNAL STANDARD AREA and RT SUMMARY

Lab Name: Paradigm Environmental Services
 Lab Project #: 183739
 Client Name: BE3
 Client Project Name: 31 + 150 Tonawanda Street
 Client Project #: N/A
 SDG No.: 3739-01

Sample ID: CCV
 Lab File ID: x53526a.D
 Date Analyzed: 8/27/2018
 Time Analyzed: 11:28

QC Batch: voas180827

Instrument ID: Instrument1
 GC Column: DB-624

ID (mm): 0.20

Detector: MSD

| CCV | IS1: FB | | IS2: CBd5 | | IS3: 14DCBd4 | |
|------------------|---------|------|-----------|------|--------------|-------|
| | Area | RT | Area | RT | Area | RT |
| 12 Hour Standard | 157154 | 4.99 | 115294 | 7.93 | 69156 | 10.47 |
| Upper Limit | 314308 | 5.49 | 230588 | 8.43 | 138312 | 10.97 |
| Lower Limit | 78577 | 4.49 | 57647 | 7.43 | 34578 | 9.97 |

172.89

25.90

This CCV applies to the following Samples and QC

| LAB SAMPLE NO. | CLIENT SAMPLE ID | IS1: FB | | IS2: CBd5 | | IS3: 14DCBd4 | |
|-------------------|----------------------|---------|------|-----------|------|--------------|-------|
| | | AREA | RT | AREA | RT | AREA | RT |
| 1 Blk1 | N/A | 116071 | 4.99 | 107049 | 7.94 | 62177 | 10.47 |
| 2 LCS1 | N/A | 140835 | 4.99 | 110092 | 7.93 | 66530 | 10.47 |
| 3 183739-01 | BH-1 (6-7') | 127837 | 4.99 | 70251 | 7.94 | 21939 * | 10.47 |
| 4 183739-02 | BH-2 (8-10') Native | 120960 | 5.00 | 102606 | 7.94 | 52538 | 10.47 |
| 5 183739-03 | BH-6 (5.5-8) Native | 123437 | 5.00 | 86891 | 7.93 | 42709 | 10.47 |
| 6 183739-04 | BH-5 (2-4) | 97157 | 5.00 | 50734 * | 7.94 | 15550 * | 10.47 |
| 7 183739-05 | BH-3 (4-6) | 89328 | 5.00 | 60461 | 7.94 | 18614 * | 10.47 |
| 8 183739-06 | BH-4 (2.8-4') Native | 133152 | 5.00 | 96557 | 7.94 | 53465 | 10.47 |
| 9 | | | | | | | |
| 10 | | | | | | | |
| 11 | | | | | | | |
| 12 | | | | | | | |
| 13 | | | | | | | |
| 14 | | | | | | | |
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| 17 | | | | | | | |
| 18 | | | | | | | |
| 19 | | | | | | | |
| 20 | | | | | | | |

225.90

IS1: FB = Fluorobenzene

IS2: CBd5 = Chlorobenzene-d5

IS3: 14DCBd4 = 1,4-Dichlorobenzene-d4

Notes: * Values outside of method specified limits

Area Limits = -50% to +100% of 12 Hour Standard area

RT Limits = -0.50 to +0.50 minutes of 12 Hour Standard retention times

SEMI-VOLATILE SURROGATE RECOVERY

Lab Name: Paradigm Environmental Services
 Lab Project #: 183739
 Client Name: BE3
 Client Project Name: 31 + 150 Tonawanda Street
 Client Project #: N/A
 SDG No.: 3739-01

Matrix: Soil
 QC Batch: QC180817ABNS

Instrument ID: Instrument1
 GC Column: DB-5

ID (mm): 0.25

Detector: MSD

| LAB SAMPLE NO. | CLIENT SAMPLE ID | 2FP (%Recovery) | Pd5 (%Recovery) | NBd5 (%Recovery) | Total Out |
|-------------------|----------------------|--------------------|--------------------|---------------------|--------------|
| 1 Blk 1 | N/A | 48.6 | 54.4 | 55.1 | 0 |
| 2 LCS 1 | N/A | 61.5 | 61.0 | 57.3 | 0 |
| 3 183739-01 | BH-1 (6-7') | 62.9 | 62.1 | 59.5 | 0 |
| 4 183739-01MS | BH-1 (6-7') | 50.3 | 51.2 | 48.4 | 0 |
| 5 183739-01MSD | BH-1 (6-7') | 50.5 | 49.7 | 49.0 | 0 |
| 6 183739-02 | BH-2 (8-10') Native | 67.0 | 67.4 | 63.8 | 0 |
| 7 183739-03 | BH-6 (5.5-8) Native | 60.7 | 60.2 | 55.9 | 0 |
| 8 183739-04 | BH-5 (2-4) | 55.7 | 56.3 | 51.3 | 0 |
| 9 183739-05 | BH-3 (4-6) | 54.3 | 53.3 | 51.3 | 0 |
| 10 183739-06 | BH-4 (2.8-4') Native | 62.5 | 60.5 | 49.5 | 0 |
| 11 183739-07 | BH-6 (0-1) | 54.1 | 54.5 | 52.5 | 0 |
| 12 183739-08 | BH-2 (0-1) | 64.3 | 64.0 | 62.3 | 0 |
| 13 183739-09 | BH-4 (0-1) | 37.6 * | 38.6 * | 37.7 | 2 |
| 14 | | | | | |
| 15 | | | | | |
| 16 | | | | | |
| 17 | | | | | |
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| 20 | | | | | |
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| 23 | | | | | |
| 24 | | | | | |
| 25 | | | | | |

2FP = 2-Fluorophenol
 Pd5 = Phenol-d5
 NBd5 = Nitrobenzene-d5

QC LIMITS %
 (39.4 - 78.1)
 (40.6 - 79.3)
 (36.1 - 74.4)

* Values outside of current required QC limits
 D Surrogate diluted out

SEMI-VOLATILE SURROGATE RECOVERY

Lab Name: Paradigm Environmental Services
 Lab Project #: 183739
 Client Name: BE3
 Client Project Name: 31 + 150 Tonawanda Street
 Client Project #: N/A
 SDG No.: 3739-01

Matrix: Soil
 QC Batch: QC180817A8NS

Instrument ID: Instrument1
 GC Column: DB-5 ID (mm): 0.25 Detector: MSD

| LAB SAMPLE NO. | CLIENT SAMPLE ID | 2FBP (%Recovery) | 246TBP (%Recovery) | TPd14 (%Recovery) | Total Out |
|-------------------|----------------------|---------------------|-----------------------|----------------------|--------------|
| 1 Blk 1 | N/A | 63.8 | 52.4 | 77.7 | 0 |
| 2 LCS 1 | N/A | 68.6 | 79.0 | 77.0 | 0 |
| 3 183739-01 | BH-1 (6-7') | 72.7 | 72.5 | 70.6 | 0 |
| 4 183739-01MS | BH-1 (6-7') | 58.9 | 61.2 | 59.3 | 0 |
| 5 183739-01MSD | BH-1 (6-7') | 58.8 | 61.4 | 59.1 | 0 |
| 6 183739-02 | BH-2 (8-10') Native | 76.4 | 83.8 | 78.8 | 0 |
| 7 183739-03 | BH-6 (5.5-8) Native | 68.4 | 66.1 | 75.8 | 0 |
| 8 183739-04 | BH-5 (2-4) | 66.3 | 70.9 | 70.8 | 0 |
| 9 183739-05 | BH-3 (4-6) | 62.8 | 67.3 | 63.2 | 0 |
| 10 183739-06 | BH-4 (2.8-4') Native | 69.1 | 78.2 | 74.7 | 0 |
| 11 183739-07 | BH-6 (0-1) | 62.9 | 62.2 | 63.5 | 0 |
| 12 183739-08 | BH-2 (0-1) | 72.1 | 76.6 | 73.5 | 0 |
| 13 183739-09 | BH-4 (0-1) | 47.1 | 46.0 | 45.9 * | 1 |
| 14 | | | | | |
| 15 | | | | | |
| 16 | | | | | |
| 17 | | | | | |
| 18 | | | | | |
| 19 | | | | | |
| 20 | | | | | |
| 21 | | | | | |
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| 24 | | | | | |
| 25 | | | | | |

2FPB = 2-Fluorobiphenyl
 246TBP = 2,4,6-Tribromophenol
 TPD14 = Terphenyl-d14

QC LIMITS %
 (35.7 - 85.7)
 (35.7 - 94.4)
 (46.6 - 99.9)

* Values outside of current required QC limits
 D Surrogate diluted out



QC Report for Matrix Spike and Matrix Spike Duplicate

Client: BE3
Project Reference: 31 + 150 Tonawanda Street

SDG #: 3739-01
Lab Project ID: 183739

Lab Sample ID: 183739-01
Sample Identifier: BH-1 (6-7')
Matrix: Soil

Date Sampled: 8/15/2018
Date Received: 8/16/2018
Date Analyzed: 8/20/2018

Semi-Volatile Organics (Acid/Base Neutrals)

| | <u>Sample</u> | <u>Result</u> | <u>MS</u> | <u>MS</u> | <u>MS %</u> | <u>MSD</u> | <u>MSD</u> | <u>MSD %</u> | <u>% Rec.</u> | <u>MS</u> | <u>MSD</u> | <u>Relative</u> | <u>RPD</u> | <u>RPD</u> |
|----------------------------|---------------|---------------|--------------|---------------|-----------------|--------------|---------------|-----------------|---------------|----------------|----------------|-----------------|--------------|----------------|
| <u>Analyte</u> | <u>Result</u> | <u>Units</u> | <u>Added</u> | <u>Result</u> | <u>Recovery</u> | <u>Added</u> | <u>Result</u> | <u>Recovery</u> | <u>Limits</u> | <u>Outlier</u> | <u>Outlier</u> | <u>% Diff.</u> | <u>Limit</u> | <u>Outlier</u> |
| 1,2,4-Trichlorobenzene | < 358 | ug/Kg | 3760 | 2200 | 58.5 | 3740 | 2180 | 58.4 | 39 - 72.7 | | | 0.181 | 17.8 | |
| 1,4-Dichlorobenzene | < 358 | ug/Kg | 3760 | 1930 | 51.2 | 3740 | 1910 | 51.2 | 39.2 - 67.2 | | | 0.00514 | 13.8 | |
| 2,4-Dinitrotoluene | < 358 | ug/Kg | 3760 | 2390 | 63.6 | 3740 | 2330 | 62.3 | 46.1 - 92.2 | | | 2.06 | 18.2 | |
| 2-Chlorophenol | < 358 | ug/Kg | 5640 | 3100 | 55.0 | 5610 | 3020 | 53.9 | 41.5 - 76.4 | | | 1.94 | 22.6 | |
| 4-Chloro-3-methylphenol | < 358 | ug/Kg | 5640 | 3120 | 55.3 | 5610 | 3080 | 54.9 | 44 - 85.3 | | | 0.852 | 26 | |
| 4-Nitrophenol | < 358 | ug/Kg | 5640 | 2850 | 50.5 | 5610 | 2790 | 49.8 | 46.3 - 97.7 | | | 1.26 | 31.7 | |
| Acenaphthene | < 358 | ug/Kg | 3760 | 2320 | 61.7 | 3740 | 2290 | 61.2 | 45.9 - 84.2 | | | 0.683 | 17 | |
| N-Nitroso-di-n-propylamine | < 358 | ug/Kg | 3760 | 1870 | 49.8 | 3740 | 1790 | 48.0 | 41 - 81.7 | | | 3.58 | 18.3 | |
| Pentachlorophenol | < 715 | ug/Kg | 5640 | 3680 | 65.2 | 5610 | 3410 | 60.9 | 23.9 - 116 | | | 6.82 | 47.4 | |
| Phenol | < 358 | ug/Kg | 5640 | 2910 | 51.5 | 5610 | 2790 | 49.8 | 43.4 - 77.1 | | | 3.51 | 20.6 | |
| Pyrene | 1890 | ug/Kg | 3760 | 3670 | 47.5 | 3740 | 3430 | 41.3 | 59.1 - 92.8 | * | * | 14.0 | 13.5 | * |

Any estimated values are displayed, and derived values calculated, based on numeric result only. See primary analytical report for data flags.

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Response Factor Report Instrument #1

Method Path : C:\msdchem\1\methods\

Method File : ABN180817.M

| | | | | | | | | | | | | |
|-----|----|-------------------|----------------|-------|-------|-------|-------|-------|-------|-------|--------|--------------------|
| 38) | P | Caprolactam | 0.122 | 0.126 | 0.125 | 0.128 | 0.130 | 0.131 | 0.128 | 0.128 | 0.127 | 2.30 |
| 39) | P | 1,2,4,5-Tetrac... | 0.338 | 0.346 | 0.344 | 0.354 | 0.364 | 0.368 | 0.370 | 0.379 | 0.358 | 4.06 |
| 40) | P | Biphenyl | 0.863 | 0.880 | 0.862 | 0.874 | 0.904 | 0.914 | 0.919 | 0.935 | 0.894 | 3.07 |
| 41) | I | Acenaphthene-d10 | -----ISTD----- | | | | | | | | | |
| 42) | P | 2-Chloronaphth... | 0.377 | 0.403 | 0.393 | 0.399 | 0.411 | 0.416 | 0.424 | 0.414 | 0.405# | 3.68 |
| 43) | PM | Acenaphthene | 1.192 | 1.266 | 1.225 | 1.267 | 1.297 | 1.288 | 1.314 | 1.270 | 1.265 | 3.12 |
| 44) | P | Acenaphthylene | 1.762 | 1.875 | 1.830 | 1.853 | 1.926 | 1.849 | 1.925 | 1.864 | 1.861 | 2.84 |
| 45) | P | 4-Chlorophenyl... | 0.715 | 0.747 | 0.727 | 0.738 | 0.774 | 0.772 | 0.801 | 0.783 | 0.757 | 3.93 |
| 46) | P | Dibenzofuran | 1.685 | 1.772 | 1.744 | 1.736 | 1.812 | 1.814 | 1.840 | 1.828 | 1.779 | 3.03 |
| 47) | P | Diethyl phthalate | 1.469 | 1.534 | 1.510 | 1.544 | 1.592 | 1.583 | 1.615 | 1.563 | 1.551 | 3.05 |
| 48) | P | Dimethyl phtha... | 1.433 | 1.539 | 1.484 | 1.500 | 1.548 | 1.525 | 1.560 | 1.501 | 1.511 | 2.71 |
| 49) | PM | 2,4-Dinitrophenol | | 0.054 | 0.084 | 0.136 | 0.171 | 0.188 | 0.215 | 0.222 | 0.153 | 42.20* |
| 50) | PM | 2,4-Dinitrotol... | 0.359 | 0.401 | 0.411 | 0.461 | 0.482 | 0.480 | 0.496 | 0.486 | 0.447 | 11.23 |
| 51) | P | 2,6-Dinitrotol... | 0.289 | 0.304 | 0.316 | 0.332 | 0.348 | 0.348 | 0.359 | 0.348 | 0.331 | 7.53 |
| 52) | P | Fluorene | 1.304 | 1.408 | 1.391 | 1.448 | 1.480 | 1.507 | 1.519 | 1.486 | 1.443 | 4.99 |
| 53) | S | 2-Fluorobiphenyl | 1.394 | 1.490 | 1.438 | 1.447 | 1.524 | 1.514 | 1.552 | 1.513 | 1.484 | 3.55 |
| 54) | P | Hexachlorocycl... | 0.223 | 0.269 | 0.336 | 0.392 | 0.430 | 0.353 | 0.415 | 0.355 | 0.347 | 20.51* |
| 55) | P | 2-Nitroaniline | 0.352 | 0.364 | 0.375 | 0.412 | 0.429 | 0.429 | 0.440 | 0.432 | 0.404 | 8.61 |
| 56) | P | 3-Nitroaniline | 0.312 | 0.341 | 0.333 | 0.353 | 0.370 | 0.366 | 0.373 | 0.365 | 0.352 | 6.10 |
| 57) | P | 4-Nitroaniline | 0.307 | 0.331 | 0.341 | 0.360 | 0.382 | 0.377 | 0.385 | 0.372 | 0.357 | 7.80 |
| 58) | PM | 4-Nitrophenol | 0.263 | 0.301 | 0.313 | 0.352 | 0.371 | 0.360 | 0.365 | 0.345 | 0.334 | 11.30 |
| 59) | S | 2,4,6-Tribromo... | 0.184 | 0.203 | 0.205 | 0.221 | 0.236 | 0.241 | 0.258 | 0.263 | 0.226 | 12.32 |
| 60) | PM | 2,4,6-Trichlor... | 0.374 | 0.390 | 0.397 | 0.400 | 0.413 | 0.401 | 0.413 | 0.413 | 0.400 | 3.40 |
| 61) | P | 2,4,5-Trichlor... | 0.380 | 0.421 | 0.417 | 0.431 | 0.431 | 0.430 | 0.447 | 0.442 | 0.425 | 4.85 |
| 62) | P | 2,3,4,6-Tetrac... | 0.334 | 0.362 | 0.374 | 0.374 | 0.387 | 0.371 | 0.391 | 0.396 | 0.374 | 5.22 |
| 63) | P | Atrazine | 0.405 | 0.451 | 0.423 | | | | | | 0.426 | 5.35** > 3pt I CAL |
| 64) | I | Phenanthrene-d10 | -----ISTD----- | | | | | | | | | |
| 65) | P | 4-Bromophenyl ... | 0.218 | 0.221 | 0.223 | 0.228 | 0.239 | 0.241 | 0.245 | 0.246 | 0.233 | 4.78 |
| 66) | P | Di-n-butyl pht... | 1.199 | 1.264 | 1.266 | 1.324 | 1.341 | 1.353 | 1.370 | 1.338 | 1.307 | 4.44 |
| 67) | PM | 4,6-Dinitro-2-... | 0.032 | 0.054 | 0.081 | 0.113 | 0.134 | 0.146 | 0.153 | 0.160 | 0.109 | 44.26* |
| 68) | P | Fluoranthene | 1.140 | 1.189 | 1.192 | 1.240 | 1.261 | 1.281 | 1.290 | 1.274 | 1.233 | 4.37 |
| 69) | P | Hexachlorobenzene | 0.216 | 0.220 | 0.226 | 0.231 | 0.243 | 0.243 | 0.248 | 0.250 | 0.235 | 5.58 |
| 70) | P | N-Nitrosodiphe... | 0.593 | 0.612 | 0.615 | 0.632 | 0.649 | 0.652 | 0.647 | 0.634 | 0.629 | 3.30 |
| 71) | PM | Pentachlorophenol | 0.094 | 0.106 | 0.117 | 0.125 | 0.128 | 0.131 | 0.137 | 0.142 | 0.123 | 13.17 |
| 72) | P | Anthracene | 1.043 | 1.089 | 1.094 | 1.123 | 1.152 | 1.161 | 1.175 | 1.157 | 1.124 | 4.06 |
| 73) | P | Phenanthrene | 1.034 | 1.071 | 1.076 | 1.093 | 1.119 | 1.137 | 1.123 | 1.122 | 1.097 | 3.18 |
| 74) | P | Carbazole | 0.915 | 0.961 | 0.953 | 0.990 | 1.009 | 1.009 | 1.028 | 1.003 | 0.983 | 3.80 |
| 75) | P | Benzo (a) anth... | 1.095 | 1.116 | 1.129 | 1.192 | 1.227 | 1.253 | 1.282 | 1.299 | 1.199 | 6.55 |
| 76) | I | Chrysene-d12 | -----ISTD----- | | | | | | | | | |
| 77) | | Benzidine | 0.598 | 0.637 | 0.642 | 0.591 | 0.543 | | | | 0.602 | 6.68 |
| 78) | P | Bis (2-ethylhe... | 0.774 | 0.801 | 0.795 | 0.814 | 0.827 | 0.805 | 0.812 | 0.779 | 0.801 | 2.20 |
| 79) | P | Butylbenzylpht... | 0.575 | 0.601 | 0.595 | 0.612 | 0.604 | 0.590 | 0.590 | 0.569 | 0.592 | 2.48 |
| 80) | P | Chrysene | 1.100 | 1.135 | 1.117 | 1.124 | 1.143 | 1.130 | 1.160 | 1.139 | 1.131 | 1.58 |
| 81) | P | 3,3'-Dichlorob... | 0.429 | 0.447 | 0.449 | 0.475 | 0.486 | 0.480 | 0.500 | 0.481 | 0.468 | 5.15 |
| 82) | PM | Pyrene | 1.244 | 1.303 | 1.255 | 1.262 | 1.255 | 1.229 | 1.235 | 1.184 | 1.246 | 2.71 |

Evaluate Continuing Calibration Report

Data File: C:\msdchem\1\data\180820\B30562.D

Acq On : 20 Aug 2018 12:04 pm

Sample : 8270 CCV 50ppm

Misc :

Operator : E. Farmen

ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 20 12:58:43 2018

Quant Method : C:\msdchem\1\methods\ABN180817B.M

Quant Title :

QLast Update : Mon Aug 20 09:18:54 2018

Response via : Initial Calibration

InstName : Instrument #1

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min

Max. RRF Dev : 20% Max. Rel. Area : 200%

| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|-------|-----------------------------|---------|---------|---------|-------|------------------|
| 46 P | Dibenzofuran | 50.000 | 50.351 | -0.7 | 117 | 0.00 |
| 47 P | Diethyl phthalate | 50.000 | 48.918 | 2.2 | 111 | 0.00 |
| 48 P | Dimethyl phthalate | 50.000 | 50.190 | -0.4 | 114 | 0.00 |
| 49 PM | 2,4-Dinitrophenol | 50.000 | 49.128 | 1.7 | 131 | 0.00 |
| 50 PM | 2,4-Dinitrotoluene | 50.000 | 52.911 | -5.8 | 116 | 0.00 |
| 51 P | 2,6-Dinitrotoluene | 50.000 | 52.067 | -4.1 | 117 | 0.00 |
| 52 P | Fluorene | 50.000 | 50.027 | -0.1 | 113 | 0.00 |
| 53 S | 2-Fluorobiphenyl | 50.000 | 50.907 | -1.8 | 118 | 0.00 |
| 54 P | Hexachlorocyclopentadiene | 50.000 | 47.584 | 4.8 | 113 | 0.00 |
| 55 P | 2-Nitroaniline | 50.000 | 53.972 | -7.9 | 120 | 0.00 |
| 56 P | 3-Nitroaniline | 50.000 | 51.487 | -3.0 | 116 | 0.00 |
| 57 P | 4-Nitroaniline | 50.000 | 52.372 | -4.7 | 117 | 0.00 |
| 58 PM | 4-Nitrophenol | 50.000 | 45.089 | 9.8 | 97 | 0.00 |
| 59 S | 2,4,6-Tribromophenol | 100.000 | 110.573 | -10.6 | 128 | 0.00 |
| 60 PM | 2,4,6-Trichlorophenol | 50.000 | 52.461 | -4.9 | 119 | 0.00 |
| 61 P | 2,4,5-Trichlorophenol | 50.000 | 52.423 | -4.8 | 117 | 0.00 |
| 62 P | 2,3,4,6-Tetrachlorophenol | 50.000 | 50.171 | -0.3 | 113 | 0.00 |
| 63 P | Atrazine | 50.000 | 22.036 | ✓ 55.9# | 0 | 0.00 7.10 > 40.2 |
| 64 I | Phenanthrene-d10 | 40.000 | 40.000 | 0.0 | 116 | 0.00 |
| 65 P | 4-Bromophenyl phenyl ether | 50.000 | 49.071 | 1.9 | 116 | 0.00 |
| 66 P | Di-n-butyl phthalate | 50.000 | 48.218 | 3.6 | 111 | 0.00 |
| 67 PM | 4,6-Dinitro-2-methylphenol | 50.000 | 54.666 | -9.3 | 145 | 0.00 |
| 68 P | Fluoranthene | 50.000 | 50.309 | -0.6 | 116 | 0.00 |
| 69 P | Hexachlorobenzene | 50.000 | 51.836 | -3.7 | 122 | 0.00 |
| 70 P | N-Nitrosodiphenylamine | 50.000 | 49.052 | 1.9 | 114 | 0.00 |
| 71 PM | Pentachlorophenol | 50.000 | 44.179 | 11.6 | 101 | 0.00 |
| 72 P | Anthracene | 50.000 | 49.683 | 0.6 | 116 | 0.00 |
| 73 P | Phenanthrene | 50.000 | 49.229 | 1.5 | 115 | 0.00 |
| 74 P | Carbazole | 50.000 | 49.041 | 1.9 | 113 | 0.00 |
| 75 P | Benzo (a) anthracene | 50.000 | 50.169 | -0.3 | 117 | 0.00 |
| 76 I | Chrysene-d12 | 40.000 | 40.000 | 0.0 | 116 | 0.00 |
| 77 | Benzidine | 100.000 | 86.962 | 13.0 | 105 | 0.00 |
| 78 P | Bis (2-ethylhexyl) phthalat | 50.000 | 48.024 | 4.0 | 113 | 0.00 |
| 79 P | Butylbenzylphthalate | 50.000 | 47.626 | 4.7 | 110 | 0.00 |
| 80 P | Chrysene | 50.000 | 48.622 | 2.8 | 116 | 0.00 |
| 81 P | 3,3'-Dichlorobenzidine | 100.000 | 104.719 | -4.7 | 123 | 0.00 |
| 82 PM | Pyrene | 50.000 | 48.101 | 3.8 | 113 | 0.00 |
| 83 S | Terphenyl-d14 | 50.000 | 48.843 | 2.3 | 116 | 0.00 |
| 84 I | Perylene-d12 | 40.000 | 40.000 | 0.0 | 131 | 0.00 |
| 85 P | Benzo (b) fluoranthene | 50.000 | 43.767 | 12.5 | 123 | 0.00 |
| 86 P | Benzo (k) fluoranthene | 50.000 | 49.714 | 0.6 | 125 | 0.00 |
| 87 P | Benzo (g,h,i) perylene | 50.000 | 51.865 | -3.7 | 139 | 0.00 |
| 88 P | Benzo (a) pyrene | 50.000 | 47.581 | 4.8 | 128 | 0.00 |
| 89 P | Dibenz (a,h) anthracene | 50.000 | 52.872 | -5.7 | 142 | 0.00 |



PARADIGM
ENVIRONMENTAL SERVICES, INC.

Method Blank Report

Client: BE3
Project Reference: 31 + 150 Tonawanda Street
Lab Project ID: 183739
SDG #: 3739-01
Matrix: Soil

Semi-Volatile Tentatively Identified Compounds

| <u>Analyte</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|-----------------------------|-----------------------|--------------|------------------|----------------------|
| Unknown | RT: 4.76 <u>702</u> | ug/Kg | | 8/20/2018 |
| Method Reference(s): | EPA 8270D EPA 3546 | | | |
| Preparation Date: | 8/17/2018 | | | |
| QC Batch ID: | QC180817STICS | | | |
| QC Number: | 1 | | | |

Tentatively Identified Compound results are estimated values, based on Internal Standard response factors.

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Wednesday, August 22, 2018

2
PESTICIDE SURROGATE RECOVERY

Lab Name: Paradigm Environmental Services
 Lab Project #: 183739
 Client Name: BE3
 Client Project Name: 31 + 150 Tonawanda Street
 Client Project #: N/A
 SDG No.: 3739-01

Matrix: Soil
 QC Batch: QC180821PESTS

Instrument ID: Dual ECD 1
 GC Column 1: Rtx-CLPesticides1 ID (mm): 0.32 Detector: ECD1

| | LAB SAMPLE NO. | CLIENT SAMPLE ID | TCmX (%Recovery) | DCBP (%Recovery) | Total Out |
|----|-------------------|----------------------|---------------------|---------------------|--------------|
| 1 | Blk 1 | N/A | 68.5 | 109 | 0 |
| 2 | Blk 2+Cu | N/A | 61.9 | 79.1 | 0 |
| 3 | LCS 1 | N/A | 70.2 | 96.4 | 0 |
| 4 | LCS 2+Cu | N/A | 65.7 | 67.5 | 0 |
| 5 | LCS Tox1 | N/A | 43.2 | 63.1 | 0 |
| 6 | LCS Tox2+Cu | N/A | 49.9 | 59.6 | 0 |
| 7 | 183739-01 | BH-1 (6-7') | 51.5 | 110 | 0 |
| 8 | 183739-02 | BH-2 (8-10') Native | 65.2 | 88.5 | 0 |
| 9 | 183739-02MS | BH-2 (8-10') Native | 74.5 | 88.5 | 0 |
| 10 | 183739-02MSD | BH-2 (8-10') Native | 77.7 | 101 | 0 |
| 11 | 183739-03 | BH-6 (5.5-8) Native | 81.4 | 114 | 0 |
| 12 | 183739-04+Cu | BH-5 (2-4) | 63.7 | 86.6 | 0 |
| 13 | 183739-05 | BH-3 (4-6) | 75.3 | 166 * | 1 |
| 14 | 183739-06 | BH-4 (2.8-4') Native | 71.9 | 96.8 | 0 |
| 15 | 183739-07 | BH-6 (0-1) | 79.1 | 410 * | 1 |
| 16 | 183739-08 | BH-2 (0-1) | 65.2 | 113 | 0 |
| 17 | 183739-09+Cu | BH-4 (0-1) | 37.7 | 39.3 * | 1 |
| 18 | | | | | |
| 19 | | | | | |
| 20 | | | | | |
| 21 | | | | | |
| 22 | | | | | |
| 23 | | | | | |
| 24 | | | | | |
| 25 | | | | | |

TCmX = Tetrachloro-m-xylene (29 - 98.8)
 DCBP = Decachlorobiphenyl (46.2 - 125)

* Values outside of current required QC limits
 D Surrogate diluted out

Sample ID: BH-1 (6-7')
Lab Sample #: 183739-01

Date Analyzed: 8/21/2018
Time Analyzed: 16:30
Matrix: Soil

ID (mm): 0.32
ID (mm): 0.32

Detector 1: ECD1
Detector 2: ECD2

[illegible]

%D = $\leq 40\%$; Passes
* = Outside QC limits

Sample ID: BH-5 (2-4)
Lab Sample #: 183739-04
Date Analyzed: 8/23/2018
Time Analyzed: 18:41
Matrix: Soil

GC Column 1: Rtx-CLPesticides1
GC Column 2: Rtx-CLPesticides2

ID (mm): 0.32
ID (mm): 0.32

Detector 1: ECD1
Detector 2: ECD2

[illegible]

%D = \leq 40%; Passes
* = Outside QC limits

Sample ID: BH-3 (4-6)
Lab Sample #: 183739-05
Date Analyzed: 8/21/2018
Time Analyzed: 18:03
Matrix: Soil

Detector 2: ECD2

CRQL-4
CRQL-4
CRQL-4
CRQL-4
JN
J
J
JN

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Sample ID: BH-6 (0-1)
 Lab Sample #: 183739-07
 Date Analyzed: 8/21/2018
 Time Analyzed: 18:34
 Matrix: Soil

Detector 2: ECD2

%D = $\leq 40\%$; Passes
* = Outside QC limits

Sample ID: BH-2 (0-1)
Lab Sample #: 183739-08

Date Analyzed: 8/21/2018
Time Analyzed: 18:49
Matrix: Soil

Instrument ID: Dual ECD 1

GC Column 1: Rtx-CLPesticides1 ID (mm): 0.32 Detector 1: ECD1

GC Column 2: Rtx-CLPesticides2 ID (mm): 0.32 Detector 2: ECD2

[illegible]

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Sample ID: BH-4 (0-1)
Lab Sample #: 183739-09

Date Analyzed: 8/23/2018
Time Analyzed: 18:57
Matrix: Soil

Detector 2: ECD2

JN

* = Outside QC limits

2
PCB SURROGATE RECOVERY

Lab Name: Paradigm Environmental Services
 Lab Project #: 183739
 Client Name: BE3
 Client Project Name: 31 + 150 Tonawanda Street
 Client Project #: N/A
 SDG No.: 3739-01

Matrix: Soil
 QC Batch: QC180823PCBS

Instrument ID: ECD1
 GC Column: Rtx-PCB ID (mm): 0.32 Detector: uECD

| | LAB SAMPLE NO. | CLIENT SAMPLE ID | TCmX (%Recovery) | DCBP (%Recovery) | Total Out |
|----|-------------------|----------------------|---------------------|---------------------|--------------|
| 1 | Blk 1 | N/A | 48.1 | 59.0 | 0 |
| 2 | LCS 1 | N/A | 37.5 | 49.7 | 0 |
| 3 | 183739-01 | BH-1 (6-7') | 20.9 | 28.7 | 0 |
| 4 | 183739-02 | BH-2 (8-10') Native | 35.4 | 45.1 | 0 |
| 5 | 183739-03 | BH-6 (5.5-8) Native | 39.4 | 53.9 | 0 |
| 6 | 183739-04 | BH-5 (2-4) | 45.0 | 55.9 | 0 |
| 7 | 183739-05 | BH-3 (4-6) | 39.7 | 84.8 | 0 |
| 8 | 183739-06 | BH-4 (2.8-4') Native | 28.1 | 47.4 | 0 |
| 9 | 183739-07 | BH-6 (0-1) | 20.4 | 32.7 | 0 |
| 10 | 183739-08 | BH-2 (0-1) | 36.9 | 46.9 | 0 |
| 11 | 183739-09 | BH-4 (0-1) | 4.46 * | 6.24 * | 2 |
| 12 | | | | | |
| 13 | | | | | |
| 14 | | | | | |
| 15 | | | | | |
| 16 | | | | | |
| 17 | | | | | |
| 18 | | | | | |
| 19 | | | | | |
| 20 | | | | | |
| 21 | | | | | |
| 22 | | | | | |
| 23 | | | | | |
| 24 | | | | | |
| 25 | | | | | |

QC LIMITS %
 TCmX = Tetrachloro-m-xylene (10 - 84)
 DCBP = Decachlorobiphenyl (23.4 - 108)

* Values outside of current required QC limits
 D Surrogate diluted out



QC Report for Sample Spike and Sample Duplicate

Client: BE3
Project Reference: 31 + 150 Tonawanda Street

SDG #: 3739-01

Lab Project ID: 183739

Lab Sample ID: 183739-04
Sample Identifier: BH-5 (2-4)
Matrix: Soil

Date Sampled: 8/15/2018

Date Received: 8/16/2018

Metals

| <u>Analyte</u> | <u>Sample Results</u> | <u>Result Units</u> | <u>Spike Added</u> | <u>Spike Result</u> | <u>Spike % Recovery</u> | <u>% Rec Limits</u> | <u>Spike Outliers</u> | <u>Duplicate Result</u> | <u>Relative % Difference</u> | <u>RPD Limit</u> | <u>RPD Outliers</u> | <u>Date Analyzed</u> |
|----------------|-----------------------|---------------------|--------------------|---------------------|-------------------------|---------------------|-----------------------|-------------------------|------------------------------|------------------|---------------------|----------------------|
| Arsenic | 3.96 | mg/Kg | 136 | 102 | 72.1 | 75 - 125 | * | 3.59 | 9.95 | 20 | | 8/20/2018 |
| Barium | 64.2 | mg/Kg | 136 | 168 | 76.5 | 75 - 125 | | 65.1 | 1.37 | 20 | | 8/20/2018 |
| Beryllium | 0.582 | mg/Kg | 27.1 | 23.3 | 83.7 | 75 - 125 | | 0.654 | 11.5 | 20 | | 8/20/2018 |
| Cadmium | 0.544 | mg/Kg | 54.3 | 40.9 | 74.3 | 75 - 125 | * | 0.525 | 3.46 | 20 | | 8/20/2018 |
| Chromium | 24.7 | mg/Kg | 136 | 123 | 72.1 | 75 - 125 | * | 23.1 | 6.57 | 20 | | 8/20/2018 |
| Copper | 54.5 | mg/Kg | 136 | 150 | 70.7 | 75 - 125 | * | 40.0 | 30.6 | 20 | * | 8/20/2018 |
| Lead | 23.1 | mg/Kg | 136 | 115 | 67.6 | 75 - 125 | * | 16.8 | 31.8 | 20 | * | 8/20/2018 |
| Manganese | 1560 | mg/Kg | 54.3 | 1420 | NC | 75 - 125 | | 1050 | 38.9 | 20 | * | 8/21/2018 |
| Nickel | 20.0 | mg/Kg | 271 | 209 | 69.6 | 75 - 125 | * | 20.7 | 3.31 | 20 | | 8/20/2018 |
| Selenium | < 1.07 | mg/Kg | 136 | 103 | 75.8 | 75 - 125 | | <1.08 | NC | 20 | | 8/20/2018 |
| Silver | 1.98 | mg/Kg | 13.6 | 13.6 | 85.3 | 75 - 125 | | 1.57 | 23.1 | 20 | * | 8/20/2018 |
| Zinc | 71.3 | mg/Kg | 136 | 157 | 63.3 | 75 - 125 | * | 58.7 | 19.3 | 20 | | 8/20/2018 |

NC = Not Calculable. Applicable to RPD if sample or duplicate result is non-detect or estimated (see primary report for data flags). Applicable to MS if sample is greater or equal to ten times the spike added.

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Thursday, September 13, 2018

Appendix C

Validator Qualifications

KENNETH R. APPLIN
Geochemist/Data Validator

Ph.D., Geochemistry and Mineralogy, The Pennsylvania State University

M.S., Geochemistry and Mineralogy, The Pennsylvania State University

B.A., Geological Sciences, SUNY at Geneseo, NY

Dr. Applin has over 35 years of experience working with the geochemistry of natural waters. His prior experience includes working as an Assistant Professor of Geology at the University of Missouri-Columbia and as Chief Hydrogeologist and Geochemist with a leading engineering firm in Rochester, NY. In 1993, he established KR Applin and Associates, a small consulting business that focuses on the geochemistry of natural waters, especially as applied to problems involving the contamination of groundwater and surface water.

Dr. Applin is also an experienced analytical data validator and has provided data validation services since 1994 to a variety of clients performing brownfield cleanup projects, hazardous waste remediation, groundwater monitoring at solid waste facilities, and other projects requiring third-party data validation. Dr. Applin has several years of hands-on experience with the laboratory analysis of natural waters and has successfully completed the USEPA Region II certification courses for performing inorganic and organic analytical data validation.

MICHAEL K. PERRY
Chemist/Data Validator

B.S. Chemistry, Georgia State University, Atlanta, GA

A.A.S., Chemical Technology, Alfred State College, Alfred, NY

Mr. Perry has over 30 years of experience in the analytical laboratory business. During his early career, he spent several years as a laboratory analyst performing the analysis of soil, water, and air samples for inorganic and organic chemical parameters. During his last 20 years in the environmental laboratory business, he managed and directed two major analytical laboratories in Rochester, NY. His management responsibilities included oversight of the daily operations of the lab, staff training and supervision, the selection, purchase, and maintenance of analytical instruments, the introduction of new laboratory methods, analytical quality assurance and quality control, data acquisition and management, and other business-related activities.

Mr. Perry has an extensive working knowledge of the methods and procedures used for sampling and analyzing both inorganic and organic analytes in soil, water, and air. He is an accomplished laboratory chemist and is familiar with the analytical methods and procedures established under the USEPA Contract Laboratory Protocols (CLP), the NYSDEC Analytical Services Protocols (ASP), and the NYSDOH Environmental Laboratory Approval Program (ELAP).

DATA USABILITY SUMMARY REPORT (DUSR)

**31 and 150 Tonawanda St.
Buffalo, NY
NYSDEC BCP # C915299**

SDG: 184392

4 water samples

Prepared for:

**BE3/Panamerican
1270 Niagara Street
Buffalo, NY 14213**

October 2018



Environmental Data Usability 10028 Deer Park Dr. Dansville, NY 14437 585.991.9156

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REVIEWER'S NARRATIVE
SDG 184392

The data associated with this Sample Delivery Group (SDG) 184392, analyzed by Paradigm Environmental Services, Inc. Rochester, NY have been reviewed in accordance with assessment criteria provided by the New York State Department of Environmental Conservation following the review procedures provided in the USEPA Functional Guidelines for evaluating organic and inorganic data.

All analytical results reported by the laboratory are considered valid and acceptable except results that have been qualified as rejected, "R". Results qualified as estimated "J", or as non-detects, "U", are considered usable for the purpose of evaluating water and/or soil quality. However, these qualifiers indicate that the accuracy and/or precision of the analytical result is questionable. A summary of all data that have been qualified and the reasons for qualification are provided in the following data usability summary report (DUSR).

Two facts should be noted by all data users. First, the "R" qualifier means that the associated value is unusable. In other words, due to significant quality control (QC) problems, the analysis is invalid and provides no information as to whether the analyte is present or not. Values qualified with an "R" should not appear on the final data tables because they cannot be relied upon, even as the last resort. Second, no analyte concentration, even if it has passed all QC tests, is guaranteed to be accurate. Strict QC serves to increase confidence in data, but any value potentially contains error.

Reviewer's Signature: Michael K. Perry Date: 10/26/18
Michael K. Perry
Chemist

1.0 SUMMARY

SITE: 31 and 150 Tonawanda St.
Buffalo, NY

SAMPLING DATE: September 21, 2018

SAMPLE TYPE: 4 water samples

LABORATORY: Paradigm Environmental Services, Inc.
Rochester, NY

SDG No.: 184392

2.0 INTRODUCTION

This data usability summary report (DUSR) was prepared in accordance with guidance provided by the New York State Department of Environmental Conservation (NYSDEC). The DUSR is based on a review and evaluation of the laboratory analytical data package. Specifically, the NYSDEC guidance recommends review and evaluation of the following elements of the data package:

- Completeness of the data package as defined under the requirements of the NYSDEC Analytical Services Protocols (ASP) Category B or the United States Environmental Protection Agency (USEPA) Contract Laboratory Program (CLP) deliverables,
- Compliance with established analyte holding times,
- Adherence to quality control (QC) limits and specifications for blanks, instrument tuning and calibration, surrogate recoveries, spike recoveries, laboratory duplicate analyses, and other QC criteria,
- Adherence to established analytical protocols,
- Conformance of data summary sheets with raw analytical data, and
- Use of correct data qualifiers.

Data deficiencies, analytical protocol deviations, and quality control problems identified using the review criteria above and their effect on the analytical results are discussed in this report.

3.0 SAMPLE AND ANALYSIS SUMMARY

The data package consists of analytical results for four water samples collected on September 21, 2018. These samples were analyzed for Part 375 Volatile Organic Compounds, Semi-volatile Organic Compounds, PCBs, Pesticides, TCN, Metals, 1,4-Dioxane by 8270-SIM and PFAAs by EPA 537 (modified).

All analyses were performed by Paradigm Environmental Services, Inc., Rochester, NY and analyzed as SDG 184392 except 1,4-Dioxane by 8270-SIM and PFAAs by EPA 537 (modified) were performed by ALPHA Analytical, Westborough, MA and analyzed as SDG L1838016. The analytical results were provided in NYSDEC ASP Category B format, which includes all raw analytical data and laboratory QC data.

4.0 GUIDANCE DOCUMENTS AND DATA REVIEW CRITERIA

The guidance documents used for reviewing laboratory quality control (QC) data and assigning data qualifiers (flags) to analytical results are listed in Table 4-1. The QC limits established in the documents applicable to this data review were used to assess the quality of the analytical results. In some cases, however, QC limits established internally by the laboratory were taken into account to determine data quality.

The QC criteria considered for assessing the usability of the reported analytical results provided for each analyte type (i.e. VOCs, SVOCs, metals, etc.) are listed in Table 4-2. These criteria may vary with the analytical method utilized by the laboratory. These criteria comply with the guidance recommended in Section 2.0 above.

5.0 DATA VALIDATION QUALIFIERS

The letter qualifiers (flags) used to define data usability are described briefly below. These letters are assigned by the data validator to analytical

TABLE 4-1

DATA VALIDATION GUIDANCE DOCUMENTS

| Analyte Type | Validation Guidance |
|-----------------------|--|
| VOCs | USEPA, 2008, Validating Volatile Organic Compounds By Gas Chromatography/Mass Spectrometry; SW-846 Method 8260B; SOP # HW-24, Rev. 2. USEPA, 2008, Statement of Work for Organic Analysis of Low/Medium Concentration of Volatile Organic Compounds SOM01.2; SOP HW-33, Rev. 2. |
| SVOCs | USEPA, 2007, Statement of Work for Organic Analysis of Low/Medium Concentration of Semivolatile Organic Compounds SOM01.2; SOP HW-35, Rev. 1. |
| Pesticides/PCBs | USEPA, 2006, CLP Organics Data Review and Preliminary Review (CLP/SOW OLMO 4.3); SOP # HW-6, Rev. 14, Part C. |
| Metals | USEPA, 2006, Validation of Metals for the Contract Laboratory Program (CLP) based on SOW ILMO 5.3 (SOP Revision 13), SOP # HW-2, Rev. 13. |
| Gen Chemistry | NYSDEC, 2005, Analytical Services Protocols (ASP) |
| VOCs (Ambient air) | USEPA, 2006, Validating Air Samples, Volatile Organic Analysis of Ambient Air in Canister by Method TO-15; SOP # HW-31, Rev. 4. |

TABLE 4-2

**QUALITY CONTROL CRITERIA USED FOR VALIDATING
LABORATORY ANALYTICAL DATA**

| VOCs | SVOCs | Pesticides/PCEs | Metals | Gen Chemistry | Method TO-15 |
|---|---|---|--|--|---|
| Completeness of Pkg Sample Condition Holding Time System Monitoring Compounds Lab Control Sample Matrix Spikes Blanks Instrument Tuning Internal Standards Initial Calibration Continuing Calibration Lab Qualifiers Field Duplicate | Completeness of Pkg Sample Condition Holding Time Surrogate Recoveries Lab Control Sample Matrix Spikes Blanks Instrument Tuning Internal Standards Initial Calibration Continuing Calibration Lab Qualifiers Field Duplicate | Completeness of Pkg Sample Condition Holding Time Surrogate Recoveries Matrix Spikes Blanks Instrument Calibration & Verification Analyte ID Lab Qualifiers Field Duplicate | Completeness of Pkg Sample Condition Holding Time Initial/Continuing Calibration CRDL Standards Blanks Interference Check Sample Spike Recoveries Lab Duplicate Lab Control Sample ICP Serial Dilutions Lab Qualifiers Field Duplicate | Completeness of Pkg Sample Condition Holding Times Calibration Lab Control Samples Blanks Spike Recoveries Lab Duplicates | Completeness of Pkg Sample Condition Holding Time Canister Certification Lab Control Sample Instrument Tuning Blanks Initial Calibration & System Performance Daily Calibration Field Duplicate |

The laboratory may also use various letters and symbols to flag analytical results generated when QC limits were exceeded. The meanings of these flags may differ from those used by the independent data validator. Those used by the laboratory are provided with the analytical results.

NOTE: The assignment of data qualifiers by the data reviewer (validator) to laboratory analytical results should not necessarily be interpreted by the data user as a measure of laboratory ability or proficiency. Rather, the qualifiers are intended to provide a measure of data accuracy and precision to the data user, which, for example, may provide a level of confidence in determining whether or not standards or cleanup objectives have been met.

- U** The analyte was analyzed for but was not detected at or above the sample quantitation limit.
- J** The analyte was positively identified; the associated numerical value is the *approximate* concentration of the analyte in the sample. (The magnitude of any \pm value associated with the result is not determined by data validation).
- UJ** The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is *approximate* and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
- R** The sample result is rejected (i.e., is unusable) due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.
- N** The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification".
- JN** The analyte is considered to be "presumptively present." The associated numerical value represents its *approximate* concentration.

The validated analytical results are attached to this report. Validation qualifiers (flags) are indicated using red ink. Data sheets having qualified data are signed and dated by the data reviewer.

6.0 RESULTS OF THE DATA REVIEW

The results of the data review are summarized in Tables 6-1 through 6-8. The tables list the samples where QC criteria were found to exceed acceptable limits and the actions taken to qualify the associated analytical results.

7.0 TOTAL USABLE DATA

For SDG 184392, four samples were analyzed and results were reported for 770 analytes. Even though some results were flagged with a "J" as estimated, all results (100%) are considered usable. See the summary table for the flagged analytes and the associated QC reasons.

NOTE:1) The data packages for this project contained no laboratory QC data for the CRDL standard for metals (Form 2B) and the Serial Dilutions of metals (Form 8). Therefore, no evaluation of the CRDL recoveries and the serial dilution results were performed by this data reviewer and no data were qualified as a result.

Table 6-1 VOCs

| SAMPLES AFFECTED | ANALYTES | ACTION | QC VIOLATION | COMMENTS |
|-----------------------------|---------------------------------------|-----------------------------|---------------------|-------------------|
| All samples | Dichlorodifluoromethane 2-Hexanone | UJ non-detects J detects | CCV %D > 20 % | Data is estimated |

Table 6-2 SVOCs

| SAMPLES AFFECTED | ANALYTES | ACTION | QC VIOLATION | COMMENTS |
|-----------------------------|-----------------|---------------|---------------------|-----------------|
| none | | | none | |

Table 6-3 Pesticides

| SAMPLES AFFECTED | ANALYTES | ACTION | QC VIOLATION | COMMENTS |
|-----------------------------|---|-------------------------|---|-------------------------------|
| 150-MW-4 | Aldrin b-BHC Heptachlor Heptachlorepoide | J CRQL-U JN JN | >25 % D between dual column analysis | Matrix suspected interference |
| 150-MW-1 | Aldrin Endrin Heptachlor Epoxide | CRQL-U JN J | >25 % D between dual column analysis | Matrix suspected interference |

SDG 184392

| | | | | |
|----------|------------------|--------|--------------------------------------|-------------------------------|
| 150-MW-3 | Heptachlorepoide | CRQL-U | >25 % D between dual column analysis | Matrix suspected interference |
|----------|------------------|--------|--------------------------------------|-------------------------------|

Table 6-4 PCBs

| SAMPLES AFFECTED | ANALYTES | ACTION | QC VIOLATION | COMMENTS |
|------------------|----------------------|-----------|--|--|
| 150-MW-3 | PCB 1254 PCB 1260 | J detects | No 2 nd column confirmation | Detects should be considered estimated |

Table 6-5 Part 375 Metals

| SAMPLES AFFECTED | ANALYTES | ACTION | QC VIOLATION | COMMENTS |
|------------------|----------|--------|--------------|----------|
| none | | | none | |

Table 6-6 TCN

| SAMPLES AFFECTED | ANALYTES | ACTION | QC VIOLATION | COMMENTS |
|------------------|----------|--------|--------------|----------|
| none | | | none | |

Table 6-7 1,4-Dioxane - 8270-SIM

| SAMPLES AFFECTED | ANALYTES | ACTION | QC VIOLATION | COMMENTS |
|-----------------------------|-----------------|---------------|---------------------|-----------------|
| none | | | none | |

Table 6-8 PFAAs – EPA 537 (modified)

| SAMPLES AFFECTED | ANALYTES | ACTION | QC VIOLATION | COMMENTS |
|-----------------------------|----------------------|---------------|---------------------------------------|---|
| All samples | NmeFOSAA NEtFOSAA | J detects | LCS rec > QC limit | No data affected |
| 150-MW-1 150-MW-3 | PFOA (0.252) | CRQL-U | Compounds detected in method blank | Compound detected in the sample < CRQL, changed to CRQL-U. |

ACRONYMS

| | |
|--------|--------------------------------------|
| BSP | Blank Spike |
| CCAL | Continuing Calibration |
| CCB | Continuing Calibration Blank |
| CCV | Continuing Calibration Verification |
| CRDL | Contract Required Detection Limit |
| CRQL | Contract Required Quantitation Limit |
| %D | Percent Difference |
| ICAL | Initial Calibration |
| ICB | Initial Calibration Blank |
| IS | Internal Standard |
| LCS | Laboratory Control Sample |
| MS/MSD | Matrix Spike/Matrix Spike Duplicate |
| QA | Quality Assurance |
| QC | Quality Control |
| %R | Percent recovery |
| RPD | Relative Percent Difference |
| RRF | Relative Response Factor |
| %RSD | Percent Relative Standard Deviation |
| TAL | Target Analyte List (metals) |
| TCL | Target Compound List (organics) |

Appendix A

Validated Analytical Results

LAB PROJECT NARRATIVE: 184392
PROJECT NAME: 31 + 150 Tonawanda St.
SDG: 4392-01
CLIENT: BE3

Four Groundwater Samples were collected by the client on September 21, 2018 and received at the Paradigm laboratory on September 24, 2018. Container and holding times were acceptable at time of receipt; the samples were received at 4° Centigrade and were on ice. The samples were submitted with the Chain-of-Custody requesting the Part 375 list for VOCs, SVOCs, PCBs, Pesticides, TCN, Metals, 1-4-Dioxane and PFAs. TICs were requested on the VOCs. All analyses were performed using EPA SW-846 Methods where applicable and the associated holding times.

The items noted in this case narrative address compliance with the referenced methods, NYSDOH ELAP rules, and any project specific data quality requirements. These may be different from the usability criteria referenced in any "Functional Guidelines" or other data review standards used by data validators.

GENERAL NOTES

ALL ANALYSES

The initial and continuing calibration reports are only evaluated for compounds that are on the sample summary report.

Regarding results on QC summary forms versus included raw data, due to calculations made at the instrument where many significant figures may be used, there may be slight discrepancies between the summary report result and that recorded on the raw data. This does not affect data usability.

VOLATILES AND SEMIVOLATILES

Regarding initial calibrations, it should be noted that the Quantitation Report concentrations supplied for the initial calibration reflect the calibration prior to updating. The response factors and areas are correct.

Regarding Quantitation Reports, it should be noted that the "#" symbol that appears on some of the Quantitation Reports is a software artifact and should be disregarded.

VOLATILES

Holding times were met for all samples.

All surrogate recoveries for the samples and associated QC were within acceptance limits.

Site specific QC was not requested on this SDG. The Laboratory Control Sample recovered within acceptance limits

The Method Blanks were free from contamination within the reportable ranges.

The instrument tunes passed all criteria.

All internal standards areas and retention times were within acceptance.

All data for the initial calibration was within acceptance limits. Compounds flagged with an "*" on the summary table have been calibrated using a non-average Response Factor calibration curve. The supporting curves are located after the initial calibration table.

All continuing calibration data for the reported analytes was within acceptance limits, except Dichlorodifluoromethane was out low and 2-Hexanone was out high. The low outlier was assessed for adequate sensitivity at the reporting limit by single point standard. This is usable for determination of "Non-Detects" only. All associated samples were Non-Detect for this compound. The data for 2-Hexanone was deemed usable as all associated samples were Non-Detect for the compound.

SEMI-VOLATILES

Holding times were met for all samples.

All surrogate recoveries for the samples and associated QC were within acceptance limits.

Site specific QC was not requested on this SDG. The Laboratory Control Sample recovered within acceptance limits.

The Method Blank was free from contamination within the reportable ranges.

The instrument tunes passed all criteria.

The internal standards areas and retention times were within acceptance ranges.

All data for the initial calibrations was within acceptance limits. Compounds flagged with an "*" on the summary table have been calibrated using a non-average Response Factor calibration curve. The supporting curves are located after the initial calibration table.

All continuing calibration data for the reported analytes was within acceptance limits.

PESTICIDES

Holding times were met for all samples.

The surrogate recoveries for the samples and the associated QC were within acceptance limits, except TCmX was out high in sample 150-MW-4. The outlier has been flagged with an "*" on the QC Summary Table and the sample report accordingly. Matrix Interference is suspected.

Site specific QC was not requested on this SDG. The Laboratory Control Sample recovered within acceptance limits.

The Method Blank was free from contamination within the reportable ranges.

The internal standards areas and retention times were within acceptance ranges.

All data for the initial calibrations were within acceptance limits. The internal acceptance criteria for the initial calibrations was 0.99 or better for each peak.

All continuing calibration data was within acceptance limits.

For all hits, a Form 10 including Percent Difference has been included. Column confirmations above 40% difference have been flagged with a "P" on the sample reports and an "*" on the Form 10 indicating matrix interference. The reported result is always the lower of the two results.

PCBs

Holding times were met for all samples.

The surrogate recoveries for the samples and the associated QC were within acceptance limits.

Site specific QC was not requested on this SDG. The Laboratory Control Sample recovered within acceptance limits.

All extracts required an Acid/Florisil Silica Gel cleanup to address possible Hydrocarbon interference. The batch QC was analyzed and included for this reason. The Method Blank was free from contamination within the reportable ranges.

All data for the initial calibrations were within acceptance limits. The internal acceptance criteria for the initial calibrations was 0.99 or better for each peak.

All continuing calibration data was within acceptance limits.

METALS

Holding times were met for all samples.

Site specific QC was not requested on this SDG but was analyzed on 150-MW-2. Any outliers for the Matrix Spike Recoveries and/or the Sample Duplicate Percent Differences have been flagged with an "M" and/or "D" on the results page and a "*" on the QC summary report. As there were outliers, Post Digest Spikes were analyzed accordingly. The raw data for these QC samples has been supplied on the attached ICP analytical worksheets, labeled as "PS". There are no data qualifiers or QC forms associated with the post digest spikes. Matrix interference is suspected with these outliers. The Laboratory Control Sample recovered within acceptable limits. All LCS % differences were within acceptance limits.

The Method Blanks were free from contamination within the reportable ranges.

All data for the initial calibrations was within acceptance limits.

All continuing calibrations data was within acceptance limits.

INORGANICS-Total Cyanide

Holding times were met for all samples.

Site specific QC was not requested on this SDG. The Laboratory Control Sample recovered within acceptance limits.

The Method Blank was free from contamination within reportable ranges.

Initial and Continuing calibration was within acceptance limits.

SUB-CONTRACTED ANALYSES

1,4 Dioxane by SIM Method 8270D and Perfluorinated Alkyl Acids (PFAs) by EPA Method 537 were subcontracted to Alpha Analytical of Mansfield, MA. Their report is provided in its entirety as a separate entity after the Paradigm Environmental Services, Inc. report. Separate case narratives addressing the above parameters are included with their report.



(date) 10/16/2018

BATCH LOG

Lab Name: Paradigm Environmental Services
Lab Project #: 184392
Client Name: BE3
Client Project Name: 31 + 150 Tonawanda St.
Client Project #: N/A
SDG No.: 4392-01

Protocol: SW846

Report Due Date: 10/8/2018


Batch Due Date:

10/24/2018

[illegible]

CHAIN OF CUSTODY

1. f 2



PARADIGM
LABORATORY

REPORT TO:

INVOICE TO:

| | | |
|---|---|--|
| CLIENT: BE3 Corp / Panamaria ADDRESS: 1270 Niagara St CITY: Buffalo STATE: NY ZIP: 14222 PHONE: 716-249-6880 ATTN: Pete Gorken | CLIENT: SAME ADDRESS: CITY: STATE: ZIP: PHONE: ATTN: | LAB PROJECT ID 184392 Quotation #: Email: abreanen@be3corp.com jberry@be3corp.com |
|---|---|--|

PROJECT REFERENCE

31 + 150 Tonawanda St

Matrix Codes:

AQ - Aqueous Liquid
NQ - Non-Aqueous Liquid

WA - Water
WG - Groundwater

DW - Drinking Water
WW - Wastewater

SO - Soil
SL - Sludge

SD - Solid
PT - Paint

WP - Wipe
CK - Caulk

OL - Oil
AR - Air

REQUESTED ANALYSIS

| DATE COLLECTED | TIME COLLECTED | COMPOSITE | GRAB | SAMPLE IDENTIFIER | MATRIX | CONTAINERS | ANALYSIS | REMARKS | PARADIGM LAB SAMPLE NUMBER |
|----------------|----------------|-----------|------|-------------------|--------|------------|---|---|----------------------------|
| 09/24/18 | 1100 | | X | 150-MW-4 | GW | 9 | TEL VOC + TICs TEL SVOC + TICs 375 Metals Pest PCB 375 1,4-Dioxane PFA 375 Metals Dig Cyanide | | 01 |
| | 1250 | | X | 150-MW-1 | | 1 | | | 02 |
| | 1415 | | X | 150-MW-3 | | 1 | | | 03 |
| | 1555 | | X | 150-MW-2 | | 7 | | | 04 |
| | | | | | | | | 1,4 Dioxane 8275Sim 1409248 | |
| | | | | | | | | Diss. Metals not collected | |
| | | | | | | | | 9.24.18 1400 | |
| | | | | | | | | Part 375 parameters for all per J.O. | |
| | | | | | | | | Sub sent directly to sub lab. 09/24/18 | |

| Turnaround Time | | Report Supplements | |
|---|-------------------------------------|---------------------------------|-------------------------------------|
| Availability contingent upon lab approval; additional fees may apply. | | | |
| Standard 5 day | <input type="checkbox"/> | None Required | <input type="checkbox"/> |
| 10 day | <input checked="" type="checkbox"/> | Batch QC | <input type="checkbox"/> |
| Rush 3 day | <input type="checkbox"/> | Category A | <input type="checkbox"/> |
| Rush 2 day | <input type="checkbox"/> | Category B | <input checked="" type="checkbox"/> |
| Rush 1 day | <input type="checkbox"/> | | |
| Other | <input type="checkbox"/> | Other | <input type="checkbox"/> |
| please indicate date needed: | | please indicate package needed: | |
| | | | |

| | | | |
|-------------------|--------------|-----------|---------------|
| Sampled By | Alex Brenner | Date/Time | 09/21/18 |
| Relinquished By | AB | Date/Time | 09/21/18 1611 |
| Received By | JL | Date/Time | 09/21/18 1611 |
| Received @ Lab By | 212 | Date/Time | 9/24/18 16:29 |

Total Cost:

P.J.F.

4°C ice 9/24/18 12:46

By signing this form, client agrees to Paradigm Terms and Conditions (reverse).

See additional page for sample conditions.



PARADIGM

ENVIRONMENTAL SERVICES, INC

Lab Project ID: 184392

Client: **BE3**

Project Reference: 31+150 Tonawanda St

Sample Identifier: 150-MW-4

Lab Sample ID: 184392-01

Date Sampled: 9/21/2018

Matrix: Groundwater

Date Received: 9/24/2018

Volatile Organics

| Analyte | Result | Units | Qualifier | Date Analyzed |
|-----------------------------|--------|-------|-----------|-----------------|
| 1,1,1-Trichloroethane | < 2.00 | ug/L | | 9/28/2018 17:58 |
| 1,1,2,2-Tetrachloroethane | < 2.00 | ug/L | | 9/28/2018 17:58 |
| 1,1,2-Trichloroethane | < 2.00 | ug/L | | 9/28/2018 17:58 |
| 1,1-Dichloroethane | < 2.00 | ug/L | | 9/28/2018 17:58 |
| 1,1-Dichloroethene | < 2.00 | ug/L | | 9/28/2018 17:58 |
| 1,2,3-Trichlorobenzene | < 5.00 | ug/L | | 9/28/2018 17:58 |
| 1,2,4-Trichlorobenzene | < 5.00 | ug/L | | 9/28/2018 17:58 |
| 1,2,4-Trimethylbenzene | < 2.00 | ug/L | | 9/28/2018 17:58 |
| 1,2-Dibromo-3-Chloropropane | < 10.0 | ug/L | | 9/28/2018 17:58 |
| 1,2-Dibromoethane | < 2.00 | ug/L | | 9/28/2018 17:58 |
| 1,2-Dichlorobenzene | < 2.00 | ug/L | | 9/28/2018 17:58 |
| 1,2-Dichloroethane | < 2.00 | ug/L | | 9/28/2018 17:58 |
| 1,2-Dichloropropane | < 2.00 | ug/L | | 9/28/2018 17:58 |
| 1,3,5-Trimethylbenzene | < 2.00 | ug/L | | 9/28/2018 17:58 |
| 1,3-Dichlorobenzene | < 2.00 | ug/L | | 9/28/2018 17:58 |
| 1,4-Dichlorobenzene | < 2.00 | ug/L | | 9/28/2018 17:58 |
| 1,4-Dioxane | < 20.0 | ug/L | | 9/28/2018 17:58 |
| 2-Butanone | < 10.0 | ug/L | | 9/28/2018 17:58 |
| 2-Hexanone | < 5.00 | ug/L | | 9/28/2018 17:58 |
| 4-Methyl-2-pentanone | < 5.00 | ug/L | | 9/28/2018 17:58 |
| Acetone | 6.46 | ug/L | J | 9/28/2018 17:58 |
| Benzene | < 1.00 | ug/L | | 9/28/2018 17:58 |
| Bromochloromethane | < 5.00 | ug/L | | 9/28/2018 17:58 |
| Bromodichloromethane | < 2.00 | ug/L | | 9/28/2018 17:58 |
| Bromoform | < 5.00 | ug/L | | 9/28/2018 17:58 |
| Bromomethane | < 2.00 | ug/L | | 9/28/2018 17:58 |
| Carbon disulfide | 2.68 | ug/L | | 9/28/2018 17:58 |

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Report Prepared Monday, October 8, 2018

MAP 10/22/18



PARADIGM

ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 184392

Client: **BE3**

Project Reference: 31+150 Tonawanda St

Sample Identifier: 150-MW-4

Lab Sample ID: 184392-01

Date Sampled: 9/21/2018

Matrix: Groundwater

Date Received: 9/24/2018

| | | | |
|---------------------------|--------|------|-----------------|
| Carbon Tetrachloride | < 2.00 | ug/L | 9/28/2018 17:58 |
| Chlorobenzene | < 2.00 | ug/L | 9/28/2018 17:58 |
| Chloroethane | < 2.00 | ug/L | 9/28/2018 17:58 |
| Chloroform | < 2.00 | ug/L | 9/28/2018 17:58 |
| Chloromethane | < 2.00 | ug/L | 9/28/2018 17:58 |
| cis-1,2-Dichloroethene | < 2.00 | ug/L | 9/28/2018 17:58 |
| cis-1,3-Dichloropropene | < 2.00 | ug/L | 9/28/2018 17:58 |
| Cyclohexane | < 10.0 | ug/L | 9/28/2018 17:58 |
| Dibromochloromethane | < 2.00 | ug/L | 9/28/2018 17:58 |
| Dichlorodifluoromethane | < 2.00 | ug/L | 9/28/2018 17:58 |
| Ethylbenzene | < 2.00 | ug/L | 9/28/2018 17:58 |
| Freon 113 | < 2.00 | ug/L | 9/28/2018 17:58 |
| Isopropylbenzene | < 2.00 | ug/L | 9/28/2018 17:58 |
| m,p-Xylene | < 2.00 | ug/L | 9/28/2018 17:58 |
| Methyl acetate | < 2.00 | ug/L | 9/28/2018 17:58 |
| Methyl tert-butyl Ether | < 2.00 | ug/L | 9/28/2018 17:58 |
| Methylcyclohexane | < 2.00 | ug/L | 9/28/2018 17:58 |
| Methylene chloride | < 5.00 | ug/L | 9/28/2018 17:58 |
| Naphthalene | < 5.00 | ug/L | 9/28/2018 17:58 |
| n-Butylbenzene | < 2.00 | ug/L | 9/28/2018 17:58 |
| n-Propylbenzene | < 2.00 | ug/L | 9/28/2018 17:58 |
| o-Xylene | < 2.00 | ug/L | 9/28/2018 17:58 |
| p-Isopropyltoluene | < 2.00 | ug/L | 9/28/2018 17:58 |
| sec-Butylbenzene | < 2.00 | ug/L | 9/28/2018 17:58 |
| Styrene | < 5.00 | ug/L | 9/28/2018 17:58 |
| tert-Butylbenzene | < 2.00 | ug/L | 9/28/2018 17:58 |
| Tetrachloroethene | < 2.00 | ug/L | 9/28/2018 17:58 |
| Toluene | < 2.00 | ug/L | 9/28/2018 17:58 |
| trans-1,2-Dichloroethene | < 2.00 | ug/L | 9/28/2018 17:58 |
| trans-1,3-Dichloropropene | < 2.00 | ug/L | 9/28/2018 17:58 |

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Report Prepared Monday, October 8, 2018

WMP 10/22/18



PARADIGM

ENVIRONMENTAL SERVICES, INC

Lab Project ID: 184392

Client: **BE3**

Project Reference: 31+150 Tonawanda St

| | | | | | |
|-----------------------------|--|-------------------------|---------------|---------------------------------|----------------------|
| Sample Identifier: | | 150-MW-4 | | | |
| Lab Sample ID: | | 184392-01 | | Date Sampled: 9/21/2018 | |
| Matrix: | | Groundwater | | Date Received: 9/24/2018 | |
| <hr/> | | | | | |
| Trichloroethene | | < 2.00 | ug/L | 9/28/2018 17:58 | |
| Trichlorofluoromethane | | < 2.00 | ug/L | 9/28/2018 17:58 | |
| Vinyl chloride | | < 2.00 | ug/L | 9/28/2018 17:58 | |
| Surrogate | | Percent Recovery | Limits | Outliers | Date Analyzed |
| 1,2-Dichloroethane-d4 | | 104 | 80.7 - 121 | | 9/28/2018 17:58 |
| 4-Bromofluorobenzene | | 84.4 | 74.3 - 121 | | 9/28/2018 17:58 |
| Pentafluorobenzene | | 92.0 | 86.2 - 111 | | 9/28/2018 17:58 |
| Toluene-D8 | | 91.1 | 86.2 - 112 | | 9/28/2018 17:58 |
| <hr/> | | | | | |
| Method Reference(s): | | EPA 8260C | | | |
| | | EPA 5030C | | | |
| Data File: | | x54642.D | | | |

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Report Prepared Monday, October 8, 2018



PARADIGM

ENVIRONMENTAL SERVICES, INC

Lab Project ID: 184392

Client: **BE3**

Project Reference: 31+150 Tonawanda St

Sample Identifier: 150-MW-1

Lab Sample ID: 184392-02

Date Sampled: 9/21/2018

Matrix: Groundwater

Date Received: 9/24/2018

Volatile Organics

| Analyte | Result | Units | Qualifier | Date Analyzed |
|-----------------------------|--------|-------|-----------|-----------------|
| 1,1,1-Trichloroethane | < 2.00 | ug/L | | 9/28/2018 18:22 |
| 1,1,2,2-Tetrachloroethane | < 2.00 | ug/L | | 9/28/2018 18:22 |
| 1,1,2-Trichloroethane | < 2.00 | ug/L | | 9/28/2018 18:22 |
| 1,1-Dichloroethane | < 2.00 | ug/L | | 9/28/2018 18:22 |
| 1,1-Dichloroethene | < 2.00 | ug/L | | 9/28/2018 18:22 |
| 1,2,3-Trichlorobenzene | < 5.00 | ug/L | | 9/28/2018 18:22 |
| 1,2,4-Trichlorobenzene | < 5.00 | ug/L | | 9/28/2018 18:22 |
| 1,2,4-Trimethylbenzene | < 2.00 | ug/L | | 9/28/2018 18:22 |
| 1,2-Dibromo-3-Chloropropane | < 10.0 | ug/L | | 9/28/2018 18:22 |
| 1,2-Dibromoethane | < 2.00 | ug/L | | 9/28/2018 18:22 |
| 1,2-Dichlorobenzene | < 2.00 | ug/L | | 9/28/2018 18:22 |
| 1,2-Dichloroethane | < 2.00 | ug/L | | 9/28/2018 18:22 |
| 1,2-Dichloropropane | < 2.00 | ug/L | | 9/28/2018 18:22 |
| 1,3,5-Trimethylbenzene | < 2.00 | ug/L | | 9/28/2018 18:22 |
| 1,3-Dichlorobenzene | < 2.00 | ug/L | | 9/28/2018 18:22 |
| 1,4-Dichlorobenzene | < 2.00 | ug/L | | 9/28/2018 18:22 |
| 1,4-Dioxane | < 20.0 | ug/L | | 9/28/2018 18:22 |
| 2-Butanone | < 10.0 | ug/L | | 9/28/2018 18:22 |
| 2-Hexanone | < 5.00 | ug/L | | 9/28/2018 18:22 |
| 4-Methyl-2-pentanone | < 5.00 | ug/L | | 9/28/2018 18:22 |
| Acetone | < 10.0 | ug/L | | 9/28/2018 18:22 |
| Benzene | < 1.00 | ug/L | | 9/28/2018 18:22 |
| Bromochloromethane | < 5.00 | ug/L | | 9/28/2018 18:22 |
| Bromodichloromethane | < 2.00 | ug/L | | 9/28/2018 18:22 |
| Bromoform | < 5.00 | ug/L | | 9/28/2018 18:22 |
| Bromomethane | < 2.00 | ug/L | | 9/28/2018 18:22 |
| Carbon disulfide | < 2.00 | ug/L | | 9/28/2018 18:22 |

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Report Prepared Monday, October 8, 2018

MAP 10/23/18



PARADIGM

ENVIRONMENTAL SERVICES, INC

Lab Project ID: 184392

Client: **BE3**

Project Reference: 31+150 Tonawanda St

Sample Identifier: 150-MW-1

Lab Sample ID: 184392-02

Date Sampled: 9/21/2018

Matrix: Groundwater

Date Received: 9/24/2018

| | | | |
|---------------------------|--------|------|-----------------|
| Carbon Tetrachloride | < 2.00 | ug/L | 9/28/2018 18:22 |
| Chlorobenzene | < 2.00 | ug/L | 9/28/2018 18:22 |
| Chloroethane | < 2.00 | ug/L | 9/28/2018 18:22 |
| Chloroform | < 2.00 | ug/L | 9/28/2018 18:22 |
| Chloromethane | < 2.00 | ug/L | 9/28/2018 18:22 |
| cis-1,2-Dichloroethene | < 2.00 | ug/L | 9/28/2018 18:22 |
| cis-1,3-Dichloropropene | < 2.00 | ug/L | 9/28/2018 18:22 |
| Cyclohexane | < 10.0 | ug/L | 9/28/2018 18:22 |
| Dibromochloromethane | < 2.00 | ug/L | 9/28/2018 18:22 |
| Dichlorodifluoromethane | < 2.00 | ug/L | 9/28/2018 18:22 |
| Ethylbenzene | < 2.00 | ug/L | 9/28/2018 18:22 |
| Freon 113 | < 2.00 | ug/L | 9/28/2018 18:22 |
| Isopropylbenzene | < 2.00 | ug/L | 9/28/2018 18:22 |
| m,p-Xylene | < 2.00 | ug/L | 9/28/2018 18:22 |
| Methyl acetate | < 2.00 | ug/L | 9/28/2018 18:22 |
| Methyl tert-butyl Ether | < 2.00 | ug/L | 9/28/2018 18:22 |
| Methylcyclohexane | < 2.00 | ug/L | 9/28/2018 18:22 |
| Methylene chloride | < 5.00 | ug/L | 9/28/2018 18:22 |
| Naphthalene | < 5.00 | ug/L | 9/28/2018 18:22 |
| n-Butylbenzene | < 2.00 | ug/L | 9/28/2018 18:22 |
| n-Propylbenzene | < 2.00 | ug/L | 9/28/2018 18:22 |
| o-Xylene | < 2.00 | ug/L | 9/28/2018 18:22 |
| p-Isopropyltoluene | < 2.00 | ug/L | 9/28/2018 18:22 |
| sec-Butylbenzene | < 2.00 | ug/L | 9/28/2018 18:22 |
| Styrene | < 5.00 | ug/L | 9/28/2018 18:22 |
| tert-Butylbenzene | < 2.00 | ug/L | 9/28/2018 18:22 |
| Tetrachloroethene | < 2.00 | ug/L | 9/28/2018 18:22 |
| Toluene | < 2.00 | ug/L | 9/28/2018 18:22 |
| trans-1,2-Dichloroethene | < 2.00 | ug/L | 9/28/2018 18:22 |
| trans-1,3-Dichloropropene | < 2.00 | ug/L | 9/28/2018 18:22 |

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Report Prepared Monday, October 8, 2018

10/22/18



PARADIGM

ENVIRONMENTAL SERVICES, INC

Lab Project ID: 184392

Client: **BE3**

Project Reference: 31+150 Tonawanda St

Sample Identifier: 150-MW-1

Lab Sample ID: 184392-02

Date Sampled: 9/21/2018

Matrix: Groundwater

Date Received: 9/24/2018

| | | | | |
|------------------------|-------------------------|---------------|-----------------|----------------------|
| Trichloroethene | < 2.00 | ug/L | | 9/28/2018 18:22 |
| Trichlorofluoromethane | < 2.00 | ug/L | | 9/28/2018 18:22 |
| Vinyl chloride | < 2.00 | ug/L | | 9/28/2018 18:22 |
| Surrogate | Percent Recovery | Limits | Outliers | Date Analyzed |
| 1,2-Dichloroethane-d4 | 107 | 80.7 - 121 | | 9/28/2018 18:22 |
| 4-Bromofluorobenzene | 84.4 | 74.3 - 121 | | 9/28/2018 18:22 |
| Pentafluorobenzene | 93.1 | 86.2 - 111 | | 9/28/2018 18:22 |
| Toluene-D8 | 87.7 | 86.2 - 112 | | 9/28/2018 18:22 |

Method Reference(s): EPA 8260C

EPA 5030C

Data File: x54643.D

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Report Prepared Monday, October 8, 2018



PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 184392

Client: **BE3**

Project Reference: 31+150 Tonawanda St

Sample Identifier: 150-MW-3

Lab Sample ID: 184392-03

Date Sampled: 9/21/2018

Matrix: Groundwater

Date Received: 9/24/2018

Volatile Organics

| Analyte | Result | Units | Qualifier | Date Analyzed |
|-----------------------------|------------------|-------|-----------|-----------------|
| 1,1,1-Trichloroethane | < 2.00 | ug/L | | 9/28/2018 18:45 |
| 1,1,2,2-Tetrachloroethane | < 2.00 | ug/L | | 9/28/2018 18:45 |
| 1,1,2-Trichloroethane | < 2.00 | ug/L | | 9/28/2018 18:45 |
| 1,1-Dichloroethane | < 2.00 | ug/L | | 9/28/2018 18:45 |
| 1,1-Dichloroethene | < 2.00 | ug/L | | 9/28/2018 18:45 |
| 1,2,3-Trichlorobenzene | < 5.00 | ug/L | | 9/28/2018 18:45 |
| 1,2,4-Trichlorobenzene | < 5.00 | ug/L | | 9/28/2018 18:45 |
| 1,2,4-Trimethylbenzene | < 2.00 | ug/L | | 9/28/2018 18:45 |
| 1,2-Dibromo-3-Chloropropane | < 10.0 | ug/L | | 9/28/2018 18:45 |
| 1,2-Dibromoethane | < 2.00 | ug/L | | 9/28/2018 18:45 |
| 1,2-Dichlorobenzene | < 2.00 | ug/L | | 9/28/2018 18:45 |
| 1,2-Dichloroethane | < 2.00 | ug/L | | 9/28/2018 18:45 |
| 1,2-Dichloropropane | < 2.00 | ug/L | | 9/28/2018 18:45 |
| 1,3,5-Trimethylbenzene | < 2.00 | ug/L | | 9/28/2018 18:45 |
| 1,3-Dichlorobenzene | < 2.00 | ug/L | | 9/28/2018 18:45 |
| 1,4-Dichlorobenzene | < 2.00 | ug/L | | 9/28/2018 18:45 |
| 1,4-Dioxane | < 20.0 | ug/L | | 9/28/2018 18:45 |
| 2-Butanone | < 10.0 | ug/L | | 9/28/2018 18:45 |
| 2-Hexanone | < 5.00 <i>MS</i> | ug/L | | 9/28/2018 18:45 |
| 4-Methyl-2-pentanone | < 5.00 | ug/L | | 9/28/2018 18:45 |
| Acetone | < 10.0 | ug/L | | 9/28/2018 18:45 |
| Benzene | < 1.00 | ug/L | | 9/28/2018 18:45 |
| Bromochloromethane | < 5.00 | ug/L | | 9/28/2018 18:45 |
| Bromodichloromethane | < 2.00 | ug/L | | 9/28/2018 18:45 |
| Bromoform | < 5.00 | ug/L | | 9/28/2018 18:45 |
| Bromomethane | < 2.00 | ug/L | | 9/28/2018 18:45 |
| Carbon disulfide | < 2.00 | ug/L | | 9/28/2018 18:45 |

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Report Prepared Monday, October 8, 2018

mm 10/22/18



PARADIGM

ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 184392

Client: **BE3**

Project Reference: 31+150 Tonawanda St

Sample Identifier: 150-MW-3

Lab Sample ID: 184392-03

Date Sampled: 9/21/2018

Matrix: Groundwater

Date Received: 9/24/2018

| | | | |
|---------------------------|-----------------------|------|-----------------|
| Carbon Tetrachloride | < 2.00 | ug/L | 9/28/2018 18:45 |
| Chlorobenzene | < 2.00 | ug/L | 9/28/2018 18:45 |
| Chloroethane | < 2.00 | ug/L | 9/28/2018 18:45 |
| Chloroform | < 2.00 | ug/L | 9/28/2018 18:45 |
| Chloromethane | < 2.00 | ug/L | 9/28/2018 18:45 |
| cis-1,2-Dichloroethene | < 2.00 | ug/L | 9/28/2018 18:45 |
| cis-1,3-Dichloropropene | < 2.00 | ug/L | 9/28/2018 18:45 |
| Cyclohexane | < 10.0 | ug/L | 9/28/2018 18:45 |
| Dibromochloromethane | < 2.00 | ug/L | 9/28/2018 18:45 |
| Dichlorodifluoromethane | < 2.00 ^{u/s} | ug/L | 9/28/2018 18:45 |
| Ethylbenzene | < 2.00 | ug/L | 9/28/2018 18:45 |
| Freon 113 | < 2.00 | ug/L | 9/28/2018 18:45 |
| Isopropylbenzene | < 2.00 | ug/L | 9/28/2018 18:45 |
| m,p-Xylene | < 2.00 | ug/L | 9/28/2018 18:45 |
| Methyl acetate | < 2.00 | ug/L | 9/28/2018 18:45 |
| Methyl tert-butyl Ether | < 2.00 | ug/L | 9/28/2018 18:45 |
| Methylcyclohexane | < 2.00 | ug/L | 9/28/2018 18:45 |
| Methylene chloride | < 5.00 | ug/L | 9/28/2018 18:45 |
| Naphthalene | < 5.00 | ug/L | 9/28/2018 18:45 |
| n-Butylbenzene | < 2.00 | ug/L | 9/28/2018 18:45 |
| n-Propylbenzene | < 2.00 | ug/L | 9/28/2018 18:45 |
| o-Xylene | < 2.00 | ug/L | 9/28/2018 18:45 |
| p-Isopropyltoluene | < 2.00 | ug/L | 9/28/2018 18:45 |
| sec-Butylbenzene | < 2.00 | ug/L | 9/28/2018 18:45 |
| Styrene | < 5.00 | ug/L | 9/28/2018 18:45 |
| tert-Butylbenzene | < 2.00 | ug/L | 9/28/2018 18:45 |
| Tetrachloroethene | < 2.00 | ug/L | 9/28/2018 18:45 |
| Toluene | < 2.00 | ug/L | 9/28/2018 18:45 |
| trans-1,2-Dichloroethene | < 2.00 | ug/L | 9/28/2018 18:45 |
| trans-1,3-Dichloropropene | < 2.00 | ug/L | 9/28/2018 18:45 |

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Report Prepared Monday, October 8, 2018

MMP 10/22/18



PARADIGM

ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 184392

Client: **BE3**

Project Reference: 31+150 Tonawanda St

Sample Identifier: 150-MW-3

Lab Sample ID: 184392-03

Date Sampled: 9/21/2018

Matrix: Groundwater

Date Received: 9/24/2018

| | | | | |
|------------------------|-------------------------|---------------|-----------------|----------------------|
| Trichloroethene | < 2.00 | ug/L | | 9/28/2018 18:45 |
| Trichlorofluoromethane | < 2.00 | ug/L | | 9/28/2018 18:45 |
| Vinyl chloride | < 2.00 | ug/L | | 9/28/2018 18:45 |
| Surrogate | Percent Recovery | Limits | Outliers | Date Analyzed |
| 1,2-Dichloroethane-d4 | 107 | 80.7 - 121 | | 9/28/2018 18:45 |
| 4-Bromofluorobenzene | 87.1 | 74.3 - 121 | | 9/28/2018 18:45 |
| Pentafluorobenzene | 91.8 | 86.2 - 111 | | 9/28/2018 18:45 |
| Toluene-D8 | 88.0 | 86.2 - 112 | | 9/28/2018 18:45 |

Method Reference(s): EPA 8260C

EPA 5030C

Data File: x54644.D

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Report Prepared Monday, October 8, 2018



PARADIGM

ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 184392

Client: **BE3**

Project Reference: 31+150 Tonawanda St

Sample Identifier: 150-MW-2

Lab Sample ID: 184392-04

Date Sampled: 9/21/2018

Matrix: Groundwater

Date Received: 9/24/2018

Volatile Organics

| Analyte | Result | Units | Qualifier | Date Analyzed |
|-----------------------------|-----------------------|-------|-----------|-----------------|
| 1,1,1-Trichloroethane | < 2.00 | ug/L | | 9/28/2018 19:09 |
| 1,1,2,2-Tetrachloroethane | < 2.00 | ug/L | | 9/28/2018 19:09 |
| 1,1,2-Trichloroethane | < 2.00 | ug/L | | 9/28/2018 19:09 |
| 1,1-Dichloroethane | < 2.00 | ug/L | | 9/28/2018 19:09 |
| 1,1-Dichloroethene | < 2.00 | ug/L | | 9/28/2018 19:09 |
| 1,2,3-Trichlorobenzene | < 5.00 | ug/L | | 9/28/2018 19:09 |
| 1,2,4-Trichlorobenzene | < 5.00 | ug/L | | 9/28/2018 19:09 |
| 1,2,4-Trimethylbenzene | < 2.00 | ug/L | | 9/28/2018 19:09 |
| 1,2-Dibromo-3-Chloropropane | < 10.0 | ug/L | | 9/28/2018 19:09 |
| 1,2-Dibromoethane | < 2.00 | ug/L | | 9/28/2018 19:09 |
| 1,2-Dichlorobenzene | < 2.00 | ug/L | | 9/28/2018 19:09 |
| 1,2-Dichloroethane | < 2.00 | ug/L | | 9/28/2018 19:09 |
| 1,2-Dichloropropane | < 2.00 | ug/L | | 9/28/2018 19:09 |
| 1,3,5-Trimethylbenzene | < 2.00 | ug/L | | 9/28/2018 19:09 |
| 1,3-Dichlorobenzene | < 2.00 | ug/L | | 9/28/2018 19:09 |
| 1,4-Dichlorobenzene | < 2.00 | ug/L | | 9/28/2018 19:09 |
| 1,4-Dioxane | < 20.0 | ug/L | | 9/28/2018 19:09 |
| 2-Butanone | < 10.0 | ug/L | | 9/28/2018 19:09 |
| 2-Hexanone | < 5.00 ^{1.5} | ug/L | | 9/28/2018 19:09 |
| 4-Methyl-2-pentanone | < 5.00 | ug/L | | 9/28/2018 19:09 |
| Acetone | < 10.0 | ug/L | | 9/28/2018 19:09 |
| Benzene | < 1.00 | ug/L | | 9/28/2018 19:09 |
| Bromochloromethane | < 5.00 | ug/L | | 9/28/2018 19:09 |
| Bromodichloromethane | < 2.00 | ug/L | | 9/28/2018 19:09 |
| Bromoform | < 5.00 | ug/L | | 9/28/2018 19:09 |
| Bromomethane | < 2.00 | ug/L | | 9/28/2018 19:09 |
| Carbon disulfide | 1.44 | ug/L | J | 9/28/2018 19:09 |

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Report Prepared Monday, October 8, 2018

mo 10/22/18



PARADIGM

ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 184392

Client: **BE3**

Project Reference: 31+150 Tonawanda St

Sample Identifier: 150-MW-2

Lab Sample ID: 184392-04

Date Sampled: 9/21/2018

Matrix: Groundwater

Date Received: 9/24/2018

| | | | |
|---------------------------|--------|------|-----------------|
| Carbon Tetrachloride | < 2.00 | ug/L | 9/28/2018 19:09 |
| Chlorobenzene | < 2.00 | ug/L | 9/28/2018 19:09 |
| Chloroethane | < 2.00 | ug/L | 9/28/2018 19:09 |
| Chloroform | < 2.00 | ug/L | 9/28/2018 19:09 |
| Chloromethane | < 2.00 | ug/L | 9/28/2018 19:09 |
| cis-1,2-Dichloroethene | < 2.00 | ug/L | 9/28/2018 19:09 |
| cis-1,3-Dichloropropene | < 2.00 | ug/L | 9/28/2018 19:09 |
| Cyclohexane | < 10.0 | ug/L | 9/28/2018 19:09 |
| Dibromochloromethane | < 2.00 | ug/L | 9/28/2018 19:09 |
| Dichlorodifluoromethane | < 2.00 | ug/L | 9/28/2018 19:09 |
| Ethylbenzene | < 2.00 | ug/L | 9/28/2018 19:09 |
| Freon 113 | < 2.00 | ug/L | 9/28/2018 19:09 |
| Isopropylbenzene | < 2.00 | ug/L | 9/28/2018 19:09 |
| m,p-Xylene | < 2.00 | ug/L | 9/28/2018 19:09 |
| Methyl acetate | < 2.00 | ug/L | 9/28/2018 19:09 |
| Methyl tert-butyl Ether | < 2.00 | ug/L | 9/28/2018 19:09 |
| Methylcyclohexane | < 2.00 | ug/L | 9/28/2018 19:09 |
| Methylene chloride | < 5.00 | ug/L | 9/28/2018 19:09 |
| Naphthalene | < 5.00 | ug/L | 9/28/2018 19:09 |
| n-Butylbenzene | < 2.00 | ug/L | 9/28/2018 19:09 |
| n-Propylbenzene | < 2.00 | ug/L | 9/28/2018 19:09 |
| o-Xylene | < 2.00 | ug/L | 9/28/2018 19:09 |
| p-Isopropyltoluene | < 2.00 | ug/L | 9/28/2018 19:09 |
| sec-Butylbenzene | < 2.00 | ug/L | 9/28/2018 19:09 |
| Styrene | < 5.00 | ug/L | 9/28/2018 19:09 |
| tert-Butylbenzene | < 2.00 | ug/L | 9/28/2018 19:09 |
| Tetrachloroethene | < 2.00 | ug/L | 9/28/2018 19:09 |
| Toluene | < 2.00 | ug/L | 9/28/2018 19:09 |
| trans-1,2-Dichloroethene | < 2.00 | ug/L | 9/28/2018 19:09 |
| trans-1,3-Dichloropropene | < 2.00 | ug/L | 9/28/2018 19:09 |

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Report Prepared Monday, October 8, 2018

10/22/18



PARADIGM

ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 184392

Client: **BE3**

Project Reference: 31+150 Tonawanda St

| | | | | | |
|-----------------------------|--|-------------------------|---------------|---------------------------------|----------------------|
| Sample Identifier: | | 150-MW-2 | | | |
| Lab Sample ID: | | 184392-04 | | Date Sampled: 9/21/2018 | |
| Matrix: | | Groundwater | | Date Received: 9/24/2018 | |
| <hr/> | | | | | |
| Trichloroethene | | < 2.00 | ug/L | 9/28/2018 | 19:09 |
| Trichlorofluoromethane | | < 2.00 | ug/L | 9/28/2018 | 19:09 |
| Vinyl chloride | | < 2.00 | ug/L | 9/28/2018 | 19:09 |
| Surrogate | | Percent Recovery | Limits | Outliers | Date Analyzed |
| 1,2-Dichloroethane-d4 | | 113 | 80.7 - 121 | | 9/28/2018 19:09 |
| 4-Bromofluorobenzene | | 85.5 | 74.3 - 121 | | 9/28/2018 19:09 |
| Pentafluorobenzene | | 88.4 | 86.2 - 111 | | 9/28/2018 19:09 |
| Toluene-D8 | | 86.7 | 86.2 - 112 | | 9/28/2018 19:09 |
| <hr/> | | | | | |
| Method Reference(s): | | EPA 8260C | | | |
| | | EPA 5030C | | | |
| Data File: | | x54645.D | | | |

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Report Prepared Monday, October 8, 2018



PARADIGM

ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 184392

Client: **BE3**

Project Reference: 31+150 Tonawanda St

Sample Identifier: 150-MW-4

Lab Sample ID: 184392-01

Date Sampled: 9/21/2018

Matrix: Groundwater

Date Received: 9/24/2018

Chlorinated Pesticides

| Analyte | Result | Units | Qualifier | Date Analyzed |
|---------------------|---------------|-------|-----------|-----------------|
| 4,4-DDD | < 0.100 | ug/L | | 9/26/2018 15:24 |
| 4,4-DDE | < 0.100 | ug/L | | 9/26/2018 15:24 |
| 4,4-DDT | < 0.100 | ug/L | | 9/26/2018 15:24 |
| Aldrin | 0.127 J | ug/L | | 9/26/2018 15:24 |
| alpha-BHC | 0.111 | ug/L | | 9/26/2018 15:24 |
| beta-BHC | 0-1004 0.0765 | ug/L | JP | 9/26/2018 15:24 |
| cis-Chlordane | < 0.100 | ug/L | | 9/26/2018 15:24 |
| delta-BHC | < 0.100 | ug/L | | 9/26/2018 15:24 |
| Dieldrin | < 0.100 | ug/L | | 9/26/2018 15:24 |
| Endosulfan I | < 0.100 | ug/L | | 9/26/2018 15:24 |
| Endosulfan II | < 0.100 | ug/L | | 9/26/2018 15:24 |
| Endosulfan Sulfate | < 0.100 | ug/L | | 9/26/2018 15:24 |
| Endrin | 0.172 | ug/L | | 9/26/2018 15:24 |
| Endrin Aldehyde | < 0.100 | ug/L | | 9/26/2018 15:24 |
| Endrin Ketone | < 0.100 | ug/L | | 9/26/2018 15:24 |
| gamma-BHC (Lindane) | < 0.100 | ug/L | | 9/26/2018 15:24 |
| Heptachlor | 0.141 JN | ug/L | P | 9/26/2018 15:24 |
| Heptachlor Epoxide | 0.110 JN | ug/L | P | 9/26/2018 15:24 |
| Methoxychlor | < 0.100 | ug/L | | 9/26/2018 15:24 |
| Toxaphene | < 1.00 | ug/L | | 9/26/2018 15:24 |
| trans-Chlordane | < 0.100 | ug/L | | 9/26/2018 15:24 |

| Surrogate | Percent Recovery | Limits | Outliers | Date Analyzed |
|--------------------------|------------------|------------|----------|-----------------|
| Decachlorobiphenyl (1) | 94.3 | 23.1 - 153 | | 9/26/2018 15:24 |
| Tetrachloro-m-xylene (1) | 122 | 35.1 - 106 | * | 9/26/2018 15:24 |

Method Reference(s): EPA 8081B

EPA 3510C

Preparation Date: 9/26/2018

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Report Prepared Monday, October 8, 2018

MRP 10/22/18



PARADIGM

ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 184392

Client: **BE3**

Project Reference: 31+150 Tonawanda St

Sample Identifier: 150-MW-1

Lab Sample ID: 184392-02

Date Sampled: 9/21/2018

Matrix: Groundwater

Date Received: 9/24/2018

Chlorinated Pesticides

| Analyte | Result | Units | Qualifier | Date Analyzed |
|---------------------|------------------------------------|-------|-----------|-----------------|
| 4,4-DDD | < 0.100 | ug/L | | 9/26/2018 15:39 |
| 4,4-DDE | < 0.100 | ug/L | | 9/26/2018 15:39 |
| 4,4-DDT | < 0.100 | ug/L | | 9/26/2018 15:39 |
| Aldrin | 0.100 0.0561 | ug/L | JP | 9/26/2018 15:39 |
| alpha-BHC | < 0.100 | ug/L | | 9/26/2018 15:39 |
| beta-BHC | < 0.100 | ug/L | | 9/26/2018 15:39 |
| cis-Chlordane | < 0.100 | ug/L | | 9/26/2018 15:39 |
| delta-BHC | < 0.100 | ug/L | | 9/26/2018 15:39 |
| Dieldrin | < 0.100 | ug/L | | 9/26/2018 15:39 |
| Endosulfan I | < 0.100 | ug/L | | 9/26/2018 15:39 |
| Endosulfan II | < 0.100 | ug/L | | 9/26/2018 15:39 |
| Endosulfan Sulfate | < 0.100 | ug/L | | 9/26/2018 15:39 |
| Endrin | 0.108 ON | ug/L | P | 9/26/2018 15:39 |
| Endrin Aldehyde | < 0.100 | ug/L | | 9/26/2018 15:39 |
| Endrin Ketone | < 0.100 | ug/L | | 9/26/2018 15:39 |
| gamma-BHC (Lindane) | < 0.100 | ug/L | | 9/26/2018 15:39 |
| Heptachlor | < 0.100 | ug/L | | 9/26/2018 15:39 |
| Heptachlor Epoxide | 0.178 J | ug/L | P | 9/26/2018 15:39 |
| Methoxychlor | < 0.100 | ug/L | | 9/26/2018 15:39 |
| Toxaphene | < 1.00 | ug/L | | 9/26/2018 15:39 |
| trans-Chlordane | 0.0558 | ug/L | J | 9/26/2018 15:39 |

| Surrogate | Percent Recovery | Limits | Outliers | Date Analyzed |
|--------------------------|------------------|------------|----------|-----------------|
| Decachlorobiphenyl (1) | 93.7 | 23.1 - 153 | | 9/26/2018 15:39 |
| Tetrachloro-m-xylene (1) | 100 | 35.1 - 106 | | 9/26/2018 15:39 |

Method Reference(s): EPA 8081B

EPA 3510C

Preparation Date: 9/26/2018

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Report Prepared Monday, October 8, 2018

map 10/22/18



PARADIGM

ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 184392

Client: **BE3**

Project Reference: 31+150 Tonawanda St

Sample Identifier: 150-MW-3

Lab Sample ID: 184392-03

Date Sampled: 9/21/2018

Matrix: Groundwater

Date Received: 9/24/2018

Chlorinated Pesticides

| Analyte | Result | Units | Qualifier | Date Analyzed |
|---------------------|---------------------------|-------|-----------|-----------------|
| 4,4-DDD | < 0.100 | ug/L | | 9/26/2018 15:55 |
| 4,4-DDE | < 0.100 | ug/L | | 9/26/2018 15:55 |
| 4,4-DDT | < 0.100 | ug/L | | 9/26/2018 15:55 |
| Aldrin | < 0.100 | ug/L | | 9/26/2018 15:55 |
| alpha-BHC | < 0.100 | ug/L | | 9/26/2018 15:55 |
| beta-BHC | < 0.100 | ug/L | | 9/26/2018 15:55 |
| cis-Chlordane | < 0.100 | ug/L | | 9/26/2018 15:55 |
| delta-BHC | < 0.100 | ug/L | | 9/26/2018 15:55 |
| Dieldrin | < 0.100 | ug/L | | 9/26/2018 15:55 |
| Endosulfan I | < 0.100 | ug/L | | 9/26/2018 15:55 |
| Endosulfan II | < 0.100 | ug/L | | 9/26/2018 15:55 |
| Endosulfan Sulfate | < 0.100 | ug/L | | 9/26/2018 15:55 |
| Endrin | < 0.100 | ug/L | | 9/26/2018 15:55 |
| Endrin Aldehyde | < 0.100 | ug/L | | 9/26/2018 15:55 |
| Endrin Ketone | < 0.100 | ug/L | | 9/26/2018 15:55 |
| gamma-BHC (Lindane) | < 0.100 | ug/L | | 9/26/2018 15:55 |
| Heptachlor | < 0.100 | ug/L | | 9/26/2018 15:55 |
| Heptachlor Epoxide | 0.100 u 0.0678 | ug/L | JP | 9/26/2018 15:55 |
| Methoxychlor | < 0.100 | ug/L | | 9/26/2018 15:55 |
| Toxaphene | < 1.00 | ug/L | | 9/26/2018 15:55 |
| trans-Chlordane | < 0.100 | ug/L | | 9/26/2018 15:55 |

| Surrogate | Percent Recovery | Limits | Outliers | Date Analyzed |
|--------------------------|------------------|------------|----------|-----------------|
| Decachlorobiphenyl (1) | 86.5 | 23.1 - 153 | | 9/26/2018 15:55 |
| Tetrachloro-m-xylene (1) | 78.0 | 35.1 - 106 | | 9/26/2018 15:55 |

Method Reference(s): EPA 8081B

EPA 3510C

Preparation Date: 9/26/2018

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Report Prepared Monday, October 8, 2018

MAP 10/22/18



PARADIGM

ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 184392

Client: **BE3**

Project Reference: 31+150 Tonawanda St

Sample Identifier: 150-MW-3

Lab Sample ID: 184392-03

Date Sampled: 9/21/2018

Matrix: Groundwater

Date Received: 9/24/2018

PCBs

| Analyte | Result | Units | Qualifier | Date Analyzed |
|----------|----------|-------|-----------|-----------------|
| PCB-1016 | < 0.100 | ug/L | | 9/28/2018 01:16 |
| PCB-1221 | < 0.100 | ug/L | | 9/28/2018 01:16 |
| PCB-1232 | < 0.100 | ug/L | | 9/28/2018 01:16 |
| PCB-1242 | < 0.100 | ug/L | | 9/28/2018 01:16 |
| PCB-1248 | < 0.100 | ug/L | | 9/28/2018 01:16 |
| PCB-1254 | 0.0648 J | ug/L | J | 9/28/2018 01:16 |
| PCB-1260 | 0.134 J | ug/L | | 9/28/2018 01:16 |
| PCB-1262 | < 0.100 | ug/L | | 9/28/2018 01:16 |
| PCB-1268 | < 0.100 | ug/L | | 9/28/2018 01:16 |

| Surrogate | Percent Recovery | Limits | Outliers | Date Analyzed |
|----------------------|------------------|-----------|----------|-----------------|
| Decachlorobiphenyl | 88.8 | 10 - 103 | | 9/28/2018 01:16 |
| Tetrachloro-m-xylene | 54.4 | 10 - 84.8 | | 9/28/2018 01:16 |

Method Reference(s): EPA 8082A

EPA 3510C

Preparation Date: 9/25/2018

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Monday, October 8, 2018

mep10/22/18



ANALYTICAL REPORT

| | |
|-----------------|---|
| Lab Number: | L1838016 |
| Client: | Paradigm Environmental Services 179 Lake Avenue Rochester, NY 14608 |
| ATTN: | Jane Daloia |
| Phone: | (585) 647-2530 |
| Project Name: | 31-150 TONAWANDA ST |
| Project Number: | 31-150 TONAWANDA ST |
| Report Date: | 10/05/18 |

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Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

320 Forbes Boulevard, Mansfield, MA 02048-1806
508-822-9300 (Fax) 508-822-3288 800-624-9220 - www.alphalab.com



Project Name: 31-150 TONAWANDA ST
Project Number: 31-150 TONAWANDA ST

Lab Number: L1838016
Report Date: 10/05/18

| Alpha Sample ID | Client ID | Matrix | Sample Location | Collection Date/Time | Receive Date |
|----------------------------|------------------|---------------|----------------------------|---------------------------------|---------------------|
| L1838016-01 | 150-MW-4 | WATER | Not Specified | 09/21/18 11:00 | 09/21/18 |
| L1838016-02 | 150-MW-1 | WATER | Not Specified | 09/21/18 12:50 | 09/21/18 |
| L1838016-03 | 150-MW-3 | WATER | Not Specified | 09/21/18 14:15 | 09/21/18 |
| L1838016-05 | FIELD BLANK | WATER | Not Specified | | 09/21/18 |

Project Name: 31-150 TONAWANDA ST
Project Number: 31-150 TONAWANDA ST

Lab Number: L1838016
Report Date: 10/05/18

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Sample Receipt

L1838016-05: A sample identified as "FIELD BLANK" was received but not listed on the Chain of Custody. At the client's request, this sample was not analyzed.

Perfluorinated Alkyl Acids by Isotope Dilution

The WG1161455-2 LCS recoveries, associated with L1838016-01 through -03, are above the acceptance criteria for n-methyl perfluorooctanesulfonamidoacetic acid (nmefosaa) (189%) and n-ethyl perfluorooctanesulfonamidoacetic acid (netfosaa) (171%); however, the associated samples are non-detect to the RL for this target analyte. The results of the original analysis are reported.

The WG1161455-2/-3 LCS/LCSD RPD(s), associated with L1838016-01 through -03, are above the acceptance criteria for n-methyl perfluorooctanesulfonamidoacetic acid (nmefosaa) (51%) and n-ethyl perfluorooctanesulfonamidoacetic acid (netfosaa) (35%).

WG1164294-1: The continuing calibration standard, associated with L1838016 as well as the associated QC, had the response for Perfluorohexanesulfonic Acid-Branched (br-PFHxS) (47.8%D) outside the acceptance criteria for the method, however the response for Perfluorohexanesulfonic Acid-Total (PFHxS) (75%D) was within acceptance criteria, therefore no further action was taken.

WG1164294-1: The continuing calibration standard, associated with L1838016 as well as the associated QC, had the response for 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS) (22%D) outside the acceptance criteria for the method. This value represents less than 10% of all compounds, therefore the calibration was accepted.

WG1164294-2: The continuing calibration standard, associated with L1838016 as well as the associated QC, had the response for the extracted internal standard Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS) (157.6%D) above the acceptance criteria for the method. The associated target analytes were within acceptance criteria, therefore no further action was taken.

Project Name: 31-150 TONAWANDA ST
Project Number: 31-150 TONAWANDA ST

Lab Number: L1838016
Report Date: 10/05/18

Case Narrative (continued)

WG1164294-2: The continuing calibration standard, associated with L1838016 as well as the associated QC, had the response for N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA) (142.1%D) above the acceptance criteria for the method. The associated samples were non-detect, therefore no further action was taken.

WG1164294-1: The continuing calibration standard, associated with L1838016 as well as the associated QC, had the response for N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA) (165.1%D), Perfluorodecanesulfonic Acid (PFDS) (151.7%D), N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA) (234.2%D) above the acceptance criteria for the method. The associated samples were non-detect, therefore no further action was taken.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:



Susan O'Neil

Title: Technical Director/Representative

Date: 10/05/18

Project Name: 31-150 TONAWANDA ST
Project Number: 31-150 TONAWANDA ST

Serial_No:10051812:43
Lab Number: L1838016
Report Date: 10/05/18

SAMPLE RESULTS

Lab ID: L1838016-02
Client ID: 150-MW-1
Sample Location: Not Specified

Date Collected: 09/21/18 12:50
Date Received: 09/21/18
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 122,537(M)
Analytical Date: 10/04/18 19:58
Analyst: AJ

Extraction Method: EPA 537
Extraction Date: 09/27/18 08:35

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|--|-----------------------|-----------|-------|------|-------|-----------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab | | | | | | |
| Perfluorobutanoic Acid (PFBA) | 7.88 | | ng/l | 1.94 | 0.128 | 1 |
| Perfluoropentanoic Acid (PFPeA) | ND | | ng/l | 1.94 | 0.083 | 1 |
| Perfluorobutanesulfonic Acid (PFBS) | ND | | ng/l | 1.94 | 0.107 | 1 |
| Perfluorohexanoic Acid (PFHxA) | ND | | ng/l | 1.94 | 0.123 | 1 |
| Perfluoroheptanoic Acid (PFHpA) | ND | | ng/l | 1.94 | 0.090 | 1 |
| Perfluorohexanesulfonic Acid (PFHxS) | 0.467 | J | ng/l | 1.94 | 0.105 | 1 |
| Perfluorooctanoic Acid (PFOA) | 1.944 1.18 | J | ng/l | 1.94 | 0.049 | 1 |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS) | 3.38 | | ng/l | 1.94 | 0.189 | 1 |
| Perfluoroheptanesulfonic Acid (PFHpS) | ND | | ng/l | 1.94 | 0.151 | 1 |
| Perfluorononanoic Acid (PFNA) | 0.895 | J | ng/l | 1.94 | 0.098 | 1 |
| Perfluorooctanesulfonic Acid (PFOS) | 0.370 | J | ng/l | 1.94 | 0.108 | 1 |
| Perfluorodecanoic Acid (PFDA) | ND | | ng/l | 1.94 | 0.185 | 1 |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS) | ND | | ng/l | 1.94 | 0.283 | 1 |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA) | ND | | ng/l | 1.94 | 0.244 | 1 |
| Perfluoroundecanoic Acid (PFUnA) | ND | | ng/l | 1.94 | 0.186 | 1 |
| Perfluorodecanesulfonic Acid (PFDS) | ND | | ng/l | 1.94 | 0.216 | 1 |
| Perfluorooctanesulfonamide (FOSA) | ND | | ng/l | 1.94 | 0.221 | 1 |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA) | ND | | ng/l | 1.94 | 0.363 | 1 |
| Perfluorododecanoic Acid (PFDoA) | ND | | ng/l | 1.94 | 0.089 | 1 |
| Perfluorotridecanoic Acid (PFTriDA) | ND | | ng/l | 1.94 | 0.088 | 1 |
| Perfluorotetradecanoic Acid (PFTA) | ND | | ng/l | 1.94 | 0.070 | 1 |



Project Name: 31-150 TONAWANDA ST
Project Number: 31-150 TONAWANDA ST

Serial_No:10051812:43
Lab Number: L1838016
Report Date: 10/05/18

SAMPLE RESULTS

Lab ID: L1838016-03
Client ID: 150-MW-3
Sample Location: Not Specified

Date Collected: 09/21/18 14:15
Date Received: 09/21/18
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 122,537(M)
Analytical Date: 10/04/18 20:15
Analyst: AJ

Extraction Method: EPA 537
Extraction Date: 09/27/18 08:35

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|--|------------------------|-----------|-------|------|-------|-----------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab | | | | | | |
| Perfluorobutanoic Acid (PFBA) | ND | | ng/l | 1.97 | 0.129 | 1 |
| Perfluoropentanoic Acid (PFPeA) | ND | | ng/l | 1.97 | 0.084 | 1 |
| Perfluorobutanesulfonic Acid (PFBS) | ND | | ng/l | 1.97 | 0.108 | 1 |
| Perfluorohexanoic Acid (PFHxA) | ND | | ng/l | 1.97 | 0.124 | 1 |
| Perfluoroheptanoic Acid (PFHpA) | ND | | ng/l | 1.97 | 0.091 | 1 |
| Perfluorohexanesulfonic Acid (PFHxS) | ND | | ng/l | 1.97 | 0.106 | 1 |
| Perfluorooctanoic Acid (PFOA) | 1.474 0.889 | J | ng/l | 1.97 | 0.050 | 1 |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS) | 1.46 | J | ng/l | 1.97 | 0.191 | 1 |
| Perfluoroheptanesulfonic Acid (PFHpS) | ND | | ng/l | 1.97 | 0.153 | 1 |
| Perfluorononanoic Acid (PFNA) | 0.189 | J | ng/l | 1.97 | 0.099 | 1 |
| Perfluorooctanesulfonic Acid (PFOS) | ND | | ng/l | 1.97 | 0.110 | 1 |
| Perfluorodecanoic Acid (PFDA) | ND | | ng/l | 1.97 | 0.187 | 1 |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS) | ND | | ng/l | 1.97 | 0.286 | 1 |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA) | ND | | ng/l | 1.97 | 0.246 | 1 |
| Perfluoroundecanoic Acid (PFUnA) | ND | | ng/l | 1.97 | 0.188 | 1 |
| Perfluorodecanesulfonic Acid (PFDS) | ND | | ng/l | 1.97 | 0.219 | 1 |
| Perfluorooctanesulfonamide (FOSA) | ND | | ng/l | 1.97 | 0.223 | 1 |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA) | ND | | ng/l | 1.97 | 0.367 | 1 |
| Perfluorododecanoic Acid (PFDoA) | ND | | ng/l | 1.97 | 0.090 | 1 |
| Perfluorotridecanoic Acid (PFTrDA) | ND | | ng/l | 1.97 | 0.089 | 1 |
| Perfluorotetradecanoic Acid (PFTA) | ND | | ng/l | 1.97 | 0.071 | 1 |



mm 10/22/18

Appendix B

Laboratory QC Documentation

Evaluate Continuing Calibration Report

Data File: C:\msdchem\1\DATA\180928\X54625.D

DataAcq Meth: 8260RUN.M

Acq On : 28 Sep 2018 11:20 am

Sample : 50ppb mega CC

Misc :

ALS Vial : 4 Sample Multiplier: 1

Operator: Bill Brew

Inst : Instrument #1

Quant Time: Sep 28 11:42:49 2018

Quant Method : C:\msdchem\1\METHODS\180920.M

Quant Title : 8260/624 Analysis

QLast Update : Wed Sep 26 11:16:52 2018

Response via : Initial Calibration

Integrator: RTE



Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|-------|---------------------------|---------|---------|---------|-------|----------|
| 1 I | Fluorobenzene | 50.000 | 50.000 | 0.0 | 100 | 0.00 |
| 2 P | Dichlorodifluoromethane | 50.000 | 39.754 | ↓ 20.5# | 85 | 0.00 |
| 3 P | Chloromethane | 50.000 | 44.595 | 10.8 | 98 | 0.00 |
| 4 P | Vinyl chloride | 50.000 | 48.680 | 2.6 | 104 | 0.00 |
| 5 P | Bromomethane | 50.000 | 47.797 | 4.4 | 112 | 0.00 |
| 6 P | Chloroethane | 50.000 | 51.367 | -2.7 | 113 | 0.00 |
| 7 P | Trichlorofluoromethane | 50.000 | 52.424 | -4.8 | 112 | 0.00 |
| 8 | Ethyl ether | 50.000 | 50.347 | -0.7 | 109 | 0.00 |
| 9 P | Freon 113 | 50.000 | 54.274 | -8.5 | 117 | 0.00 |
| 10 P | 1,1-Dichloroethene | 50.000 | 52.675 | -5.3 | 111 | 0.00 |
| 11 P | Acetone | 50.000 | 59.448 | -18.9 | 142 | 0.00 |
| 12 | Isopropyl Alcohol | 500.000 | 0.000 | 100.0# | 0 | 0.06 |
| 13 P | Carbon disulfide | 50.000 | 50.103 | -0.2 | 106 | 0.00 |
| 14 P | Methyl acetate | 50.000 | 51.328 | -2.7 | 115 | 0.00 |
| 15 P | Methylene chloride | 50.000 | 47.908 | 4.2 | 110 | 0.00 |
| 16 | Acrylonitrile | 50.000 | 49.741 | 0.5 | 109 | 0.00 |
| 17 | tert-Butyl Alcohol | 500.000 | 542.009 | -8.4 | 114 | 0.00 |
| 18 P | Methyl tert-butyl Ether | 50.000 | 51.229 | -2.5 | 109 | 0.00 |
| 19 P | trans-1,2-Dichloroethene | 50.000 | 52.352 | -4.7 | 112 | 0.00 |
| 20 P | 1,1-Dichloroethane | 50.000 | 51.457 | -2.9 | 110 | 0.00 |
| 21 | Vinyl acetate | 50.000 | 52.063 | -4.1 | 106 | 0.00 |
| 22 | 2,2-Dichloropropane | 50.000 | 55.939 | -11.9 | 116 | 0.00 |
| 23 P | 2-Butanone | 50.000 | 59.499 | -19.0 | 126 | 0.00 |
| 24 P | cis-1,2-Dichloroethene | 50.000 | 49.783 | 0.4 | 106 | 0.00 |
| 25 | Bromochloromethane | 50.000 | 48.780 | 2.4 | 109 | 0.00 |
| 26 P | Chloroform | 50.000 | 51.858 | -3.7 | 111 | 0.00 |
| 27 S | Pentafluorobenzene | 30.000 | 29.612 | 1.3 | 97 | 0.00 |
| 28 | Tetrahydrofuran | 100.000 | 107.282 | -7.3 | 112 | 0.00 |
| 29 P | 1,1,1-Trichloroethane | 50.000 | 54.153 | -8.3 | 113 | 0.00 |
| 30 P | Cyclohexane | 50.000 | 58.504 | -17.0 | 118 | 0.00 |
| 31 S | 1,2-Dichloroethane-d4 | 30.000 | 31.498 | -5.0 | 103 | 0.00 |
| 32 P | Carbon Tetrachloride | 50.000 | 53.346 | -6.7 | 111 | 0.00 |
| 33 P | Benzene | 50.000 | 51.887 | -3.8 | 109 | 0.00 |
| 34 P | 1,2-Dichloroethane | 50.000 | 51.112 | -2.2 | 111 | 0.00 |
| 35 P | Trichloroethene | 50.000 | 50.465 | -0.9 | 107 | 0.00 |
| 36 | tert-Butyl Acetate | 50.000 | 0.000 | 100.0# | 0 | 0.10 |
| 37 P | Methylcyclohexane | 50.000 | 56.294 | -12.6 | 111 | 0.00 |
| 38 | 1,4-Dioxane | 50.000 | 49.911 | 0.2 | 124 | 0.00 |
| 39 UN | Ethyl acetate | -1.000 | 0.000 | 0.0 | 0 | 0.00 |
| 40 P | 1,2-Dichloropropane | 50.000 | 50.716 | -1.4 | 109 | 0.00 |
| 41 UN | Isobutyl alcohol | -1.000 | 0.000 | 0.0 | 0 | 0.00 |
| 42 | Dibromomethane | 50.000 | 50.985 | -2.0 | 110 | 0.00 |
| 43 P | Bromodichloromethane | 50.000 | 51.920 | -3.8 | 110 | 0.00 |
| 44 | 2-Chloroethyl vinyl Ether | 50.000 | 32.026 | ↓ 35.9# | 86 | 0.00 |
| 45 UN | Isopropyl acetate | -1.000 | 0.000 | 0.0 | 0 | 0.00 |
| 46 | 1,1-Dichloropropene | 50.000 | 53.397 | -6.8 | 113 | 0.00 |
| 47 P | cis-1,3-Dichloropropene | 50.000 | 53.708 | -7.4 | 109 | 0.00 |
| 48 P | 4-Methyl-2-pentanone | 50.000 | 53.458 | -6.9 | 108 | 0.00 |
| 49 S | Toluene-D8 | 30.000 | 31.135 | -3.8 | 101 | 0.00 |
| 50 P | Toluene | 50.000 | 52.300 | -4.6 | 113 | 0.00 |

see RL 54 d

NT

Evaluate Continuing Calibration Report

Data File: C:\msdchem\1\DATA\180928\X54625.D

DataAcq Meth: 8260RUN.M

Acq On : 28 Sep 2018 11:20 am

Sample : 50ppb mega CC

Misc :

ALS Vial : 4 Sample Multiplier: 1

Operator: Bill Brew

Inst : Instrument #1

Quant Time: Sep 28 11:42:49 2018

Quant Method : C:\msdchem\1\METHODS\180920.M

Quant Title : 8260/624 Analysis

QLast Update : Wed Sep 26 11:16:52 2018

Response via : Initial Calibration

Integrator: RTE

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min

Max. RRF Dev : 20% Max. Rel. Area : 200%

| | Compound | Amount | Calc. | %Dev | Area% | Dev (min) |
|-------|-----------------------------|---------|---------|--------|-------|------------------|
| 51 P | trans-1,3-Dichloropropene | 50.000 | 52.229 | -4.5 | 105 | 0.00 |
| 52 P | 1,1,2-Trichloroethane | 50.000 | 51.066 | -2.1 | 114 | 0.00 |
| 53 | 1,3-Dichloropropane | 50.000 | 52.996 | -6.0 | 108 | 0.00 |
| 54 P | Tetrachloroethene | 50.000 | 55.452 | -10.9 | 113 | 0.00 |
| 55 P | 2-Hexanone | 50.000 | 66.929 | -33.9# | 133 | 0.00 OK, it's ND |
| 56 P | Dibromochloromethane | 50.000 | 51.467 | -2.9 | 105 | 0.00 |
| 57 P | 1,2-Dibromoethane | 50.000 | 50.907 | -1.8 | 109 | 0.00 |
| 58 I | Chlorobenzene-d5 | 50.000 | 50.000 | 0.0 | 101 | 0.00 |
| 59 P | Chlorobenzene | 50.000 | 49.196 | 1.6 | 111 | 0.00 |
| 60 | 1,1,1,2-Tetrachloroethane | 50.000 | 49.533 | 0.9 | 110 | 0.00 |
| 61 P | Ethylbenzene | 50.000 | 54.475 | -9.0 | 114 | 0.00 |
| 62 P | m,p-Xylene | 100.000 | 109.626 | -9.6 | 113 | 0.00 |
| 63 P | o-Xylene | 50.000 | 56.088 | -12.2 | 111 | 0.00 |
| 64 P | Styrene | 50.000 | 55.417 | -10.8 | 113 | 0.00 |
| 65 P | Bromoform | 50.000 | 50.335 | -0.7 | 105 | 0.00 |
| 66 P | Isopropylbenzene | 50.000 | 58.471 | -16.9 | 114 | 0.00 |
| 67 | 1,2,3-Trichloropropane | 50.000 | 50.000 | 0.0 | 111 | 0.00 |
| 68 S | 4-Bromofluorobenzene | 30.000 | 30.133 | -0.4 | 101 | 0.00 |
| 69 | Bromobenzene | 50.000 | 49.494 | 1.0 | 112 | 0.00 |
| 70 P | 1,1,2,2-Tetrachloroethane | 50.000 | 50.029 | -0.1 | 110 | 0.00 |
| 71 | n-Propylbenzene | 50.000 | 56.991 | -14.0 | 115 | 0.00 |
| 72 | 2-Chlorotoluene | 50.000 | 53.578 | -7.2 | 114 | 0.00 |
| 73 | 4-Chlorotoluene | 50.000 | 54.163 | -8.3 | 116 | 0.00 |
| 74 | 1,3,5-Trimethylbenzene | 50.000 | 57.081 | -14.2 | 113 | 0.00 |
| 75 | tert-Butylbenzene | 50.000 | 58.598 | -17.2 | 118 | 0.00 |
| 76 | 1,2,4-Trimethylbenzene | 50.000 | 57.827 | -15.7 | 115 | 0.00 |
| 77 | sec-Butylbenzene | 50.000 | 59.267 | -18.5 | 116 | 0.00 |
| 78 | p-Isopropyltoluene | 50.000 | 58.657 | -17.3 | 116 | 0.00 |
| 79 I | 1,4-Dichlorobenzene-d4 | 50.000 | 50.000 | 0.0 | 105 | 0.00 |
| 80 P | 1,3-Dichlorobenzene | 50.000 | 51.049 | -2.1 | 113 | 0.00 |
| 81 P | 1,4-Dichlorobenzene | 50.000 | 49.789 | 0.4 | 116 | 0.00 |
| 82 | n-Butylbenzene | 50.000 | 56.672 | -13.3 | 114 | 0.00 |
| 83 P | 1,2-Dichlorobenzene | 50.000 | 51.624 | -3.2 | 113 | 0.00 |
| 84 UN | Tetraethyllead | -1.000 | 0.000 | 0.0 | 0 | 0.00 |
| 85 P | 1,2-Dibromo-3-Chloropropane | 50.000 | 48.278 | 3.4 | 109 | 0.00 |
| 86 P | 1,2,4-Trichlorobenzene | 50.000 | 53.923 | -7.8 | 113 | 0.00 |
| 87 | 1,2,3-Trichlorobenzene | 50.000 | 53.718 | -7.4 | 113 | 0.00 |
| 88 | Hexachlorobutadiene | 50.000 | 50.930 | -1.9 | 118 | 0.00 |
| 89 | Naphthalene | 50.000 | 43.155 | 13.7 | 110 | 0.00 |

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Sample ID: 150-MW-4
Lab Sample #: 184392-01

Date Analyzed: 9/26/2018
Time Analyzed: 15:24
Matrix: Groundwater

Instrument ID: Dual ECD 1

GC Column 1: Rtx-CLPesticides1 ID (mm): 0.32 Detector 1: ECD1

GC Column 2: Rtx-CLPesticides2 ID (mm): 0.32 Detector 2: ECD2

[illegible]

%D = $\leq 40\%$; Passes
* = Outside QC limits

Sample ID: 150-MW-1
Lab Sample #: 184392-02

Date Analyzed: 9/26/2018
Time Analyzed: 15:39
Matrix: Groundwater

Detector 2: ECD2

CRQL-4
JH
J

* = Outside QC limits

Sample ID: 150-MW-3
Lab Sample #: 184392-03

Date Analyzed: 9/26/2018
Time Analyzed: 15:55
Matrix: Groundwater

Detector 2: ECD2

CRQL-4

* = Outside QC limits

Lab Control Sample Analysis**Batch Quality Control****Project Name:** 31-150 TONAWANDA ST**Lab Number:** L1838016**Project Number:** 31-150 TONAWANDA ST**Report Date:** 10/05/18

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-03 Batch: WG1161455-2 WG1161455-3 | | | | | | | | |
| Perfluorobutanoic Acid (PFBA) | 113 | | 115 | | 67-148 | 2 | | 30 |
| Perfluoropentanoic Acid (PFPeA) | 102 | | 102 | | 63-161 | 0 | | 30 |
| Perfluorobutanesulfonic Acid (PFBS) | 116 | | 120 | | 65-157 | 3 | | 30 |
| Perfluorohexanoic Acid (PFHxA) | 119 | | 116 | | 69-168 | 3 | | 30 |
| Perfluoroheptanoic Acid (PFHpA) | 112 | | 105 | | 58-159 | 6 | | 30 |
| Perfluorohexanesulfonic Acid (PFHxS) | 109 | | 121 | | 69-177 | 10 | | 30 |
| Perfluorooctanoic Acid (PFOA) | 101 | | 111 | | 63-159 | 9 | | 30 |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS) | 119 | | 110 | | 49-187 | 8 | | 30 |
| Perfluoroheptanesulfonic Acid (PFHpS) | 123 | | 116 | | 61-179 | 6 | | 30 |
| Perfluorononanoic Acid (PFNA) | 114 | | 103 | | 68-171 | 10 | | 30 |
| Perfluorooctanesulfonic Acid (PFOS) | 89 | | 78 | | 52-151 | 13 | | 30 |
| Perfluorodecanoic Acid (PFDA) | 106 | | 121 | | 63-171 | 13 | | 30 |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS) | 134 | | 100 | | 56-173 | 29 | | 30 |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA) | 189 | Q | 112 | | 60-166 | 51 | Q | 30 |
| Perfluoroundecanoic Acid (PFUnA) | 104 | | 111 | | 60-153 | 7 | | 30 |
| Perfluorodecanesulfonic Acid (PFDS) | 103 | | 111 | | 38-156 | 7 | | 30 |
| Perfluorooctanesulfonamide (FOSA) | 102 | | 94 | | 46-170 | 8 | | 30 |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA) | 171 | Q | 120 | | 45-170 | 35 | Q | 30 |
| Perfluorododecanoic Acid (PFDoA) | 111 | | 101 | | 67-153 | 9 | | 30 |
| Perfluorotridecanoic Acid (PFTTrDA) | 82 | | 85 | | 48-158 | 4 | | 30 |
| Perfluorotetradecanoic Acid (PFTA) | 126 | | 128 | | 59-182 | 2 | | 30 |

Project Name: 31-150 TONAWANDA ST

Lab Number: L1838016

Project Number: 31-150 TONAWANDA ST

Report Date: 10/05/18

Method Blank Analysis Batch Quality Control

Analytical Method: 122,537(M)
 Analytical Date: 10/04/18 18:52
 Analyst: AJ

Extraction Method: EPA 537
 Extraction Date: 09/27/18 08:34

| Parameter | Result | Qualifier | Units | RL | MDL |
|--|--------|-----------|-------|------|-------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01-03 Batch: WG1161455-1 | | | | | |
| Perfluorobutanoic Acid (PFBA) | ND | | ng/l | 2.00 | 0.131 |
| Perfluoropentanoic Acid (PFPeA) | ND | | ng/l | 2.00 | 0.086 |
| Perfluorobutanesulfonic Acid (PFBS) | ND | | ng/l | 2.00 | 0.110 |
| Perfluorohexanoic Acid (PFHxA) | ND | | ng/l | 2.00 | 0.126 |
| Perfluoroheptanoic Acid (PFHpA) | ND | | ng/l | 2.00 | 0.092 |
| Perfluorohexanesulfonic Acid (PFHxS) | ND | | ng/l | 2.00 | 0.108 |
| Perfluorooctanoic Acid (PFOA) | 0.252 | J | ng/l | 2.00 | 0.050 |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS) | ND | | ng/l | 2.00 | 0.194 |
| Perfluoroheptanesulfonic Acid (PFHpS) | ND | | ng/l | 2.00 | 0.155 |
| Perfluorononanoic Acid (PFNA) | ND | | ng/l | 2.00 | 0.101 |
| Perfluorooctanesulfonic Acid (PFOS) | ND | | ng/l | 2.00 | 0.112 |
| Perfluorodecanoic Acid (PFDA) | ND | | ng/l | 2.00 | 0.190 |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS) | ND | | ng/l | 2.00 | 0.291 |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA) | ND | | ng/l | 2.00 | 0.250 |
| Perfluoroundecanoic Acid (PFUnA) | ND | | ng/l | 2.00 | 0.191 |
| Perfluorodecanesulfonic Acid (PFDS) | ND | | ng/l | 2.00 | 0.222 |
| Perfluorooctanesulfonamide (FOSA) | ND | | ng/l | 2.00 | 0.227 |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA) | ND | | ng/l | 2.00 | 0.373 |
| Perfluorododecanoic Acid (PFDoA) | ND | | ng/l | 2.00 | 0.092 |
| Perfluorotridecanoic Acid (PFTrDA) | ND | | ng/l | 2.00 | 0.090 |
| Perfluorotetradecanoic Acid (PFTA) | ND | | ng/l | 2.00 | 0.072 |

Appendix C

Validator Qualifications

KENNETH R. APPLIN
Geochemist/Data Validator

Ph.D., Geochemistry and Mineralogy, The Pennsylvania State University

M.S., Geochemistry and Mineralogy, The Pennsylvania State University

B.A., Geological Sciences, SUNY at Geneseo, NY

Dr. Applin has over 35 years of experience working with the geochemistry of natural waters. His prior experience includes working as an Assistant Professor of Geology at the University of Missouri-Columbia and as Chief Hydrogeologist and Geochemist with a leading engineering firm in Rochester, NY. In 1993, he established KR Applin and Associates, a small consulting business that focuses on the geochemistry of natural waters, especially as applied to problems involving the contamination of groundwater and surface water.

Dr. Applin is also an experienced analytical data validator and has provided data validation services since 1994 to a variety of clients performing brownfield cleanup projects, hazardous waste remediation, groundwater monitoring at solid waste facilities, and other projects requiring third-party data validation. Dr. Applin has several years of hands-on experience with the laboratory analysis of natural waters and has successfully completed the USEPA Region II certification courses for performing inorganic and organic analytical data validation.

MICHAEL K. PERRY
Chemist/Data Validator

B.S. Chemistry, Georgia State University, Atlanta, GA

A.A.S., Chemical Technology, Alfred State College, Alfred, NY

Mr. Perry has over 30 years of experience in the analytical laboratory business. During his early career, he spent several years as a laboratory analyst performing the analysis of soil, water, and air samples for inorganic and organic chemical parameters. During his last 20 years in the environmental laboratory business, he managed and directed two major analytical laboratories in Rochester, NY. His management responsibilities included oversight of the daily operations of the lab, staff training and supervision, the selection, purchase, and maintenance of analytical instruments, the introduction of new laboratory methods, analytical quality assurance and quality control, data acquisition and management, and other business-related activities.

Mr. Perry has an extensive working knowledge of the methods and procedures used for sampling and analyzing both inorganic and organic analytes in soil, water, and air. He is an accomplished laboratory chemist and is familiar with the analytical methods and procedures established under the USEPA Contract Laboratory Protocols (CLP), the NYSDEC Analytical Services Protocols (ASP), and the NYSDOH Environmental Laboratory Approval Program (ELAP).

31 TONAWANDA

ANALYTICAL RESULTS & DUSRS



Lab Project ID: 183775

Client: **BE3**

Project Reference: 31 + 150 Tonawanda St

Sample Identifier: BH-6 (4-6)

Lab Sample ID: 183775-01

Matrix: Soil

Date Sampled: 8/16/2018

Date Received: 8/17/2018

Mercury

| <u>Analyte</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|-----------------------|----------------------|---------------------|-------------------------|-----------------------------|
| Mercury | 1.34 | mg/Kg | | 8/28/2018 12:55 |

Method Reference(s): EPA 7471B

Preparation Date: 8/27/2018

Data File: Hg180828B

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Tuesday, September 4, 2018



Lab Project ID: 183775

Client: **BE3**

Project Reference: 31 + 150 Tonawanda St

Sample Identifier: BH-6 (4-6)

Lab Sample ID: 183775-01

Matrix: Soil

Date Sampled: 8/16/2018

Date Received: 8/17/2018

PCBs

| <u>Analyte</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|----------------|---------------|--------------|------------------|----------------------|
| PCB-1016 | < 0.0390 | mg/Kg | | 8/22/2018 09:47 |
| PCB-1221 | < 0.0390 | mg/Kg | | 8/22/2018 09:47 |
| PCB-1232 | < 0.0390 | mg/Kg | | 8/22/2018 09:47 |
| PCB-1242 | < 0.0390 | mg/Kg | | 8/22/2018 09:47 |
| PCB-1248 | < 0.0390 | mg/Kg | | 8/22/2018 09:47 |
| PCB-1254 | < 0.0390 | mg/Kg | | 8/22/2018 09:47 |
| PCB-1260 | < 0.0390 | mg/Kg | | 8/22/2018 09:47 |
| PCB-1262 | < 0.0390 | mg/Kg | | 8/22/2018 09:47 |
| PCB-1268 | < 0.0390 | mg/Kg | | 8/22/2018 09:47 |

| <u>Surrogate</u> | <u>Percent Recovery</u> | <u>Limits</u> | <u>Outliers</u> | <u>Date Analyzed</u> |
|----------------------|-------------------------|---------------|-----------------|----------------------|
| Decachlorobiphenyl | 18.5 | 23.4 - 108 | * | 8/22/2018 09:47 |
| Tetrachloro-m-xylene | 11.7 | 10 - 84 | | 8/22/2018 09:47 |

Method Reference(s): EPA 8082A

EPA 3546

Preparation Date: 8/21/2018

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Report Prepared Tuesday, September 4, 2018



Lab Project ID: 183775

Client: **BE3**

Project Reference: 31 + 150 Tonawanda St

Sample Identifier: BH-6 (4-6)

Lab Sample ID: 183775-01

Matrix: Soil

Date Sampled: 8/16/2018

Date Received: 8/17/2018

Chlorinated Pesticides

| Analyte | Result | Units | Qualifier | Date Analyzed |
|---------------------|-------------|-------|-----------|-----------------|
| 4,4-DDD | < 3.90 | ug/Kg | | 8/23/2018 19:12 |
| 4,4-DDE | < 3.90 | ug/Kg | | 8/23/2018 19:12 |
| 4,4-DDT | 2.58 | ug/Kg | JP | 8/23/2018 19:12 |
| Aldrin | < 3.90 | ug/Kg | | 8/23/2018 19:12 |
| alpha-BHC | 2.39 | ug/Kg | J | 8/23/2018 19:12 |
| beta-BHC | 2.27 | ug/Kg | JP | 8/23/2018 19:12 |
| cis-Chlordane | 5.47 | ug/Kg | | 8/23/2018 19:12 |
| delta-BHC | < 3.90 | ug/Kg | | 8/23/2018 19:12 |
| Dieldrin | < 3.90 | ug/Kg | | 8/23/2018 19:12 |
| Endosulfan I | < 3.90 | ug/Kg | | 8/23/2018 19:12 |
| Endosulfan II | < 3.90 | ug/Kg | | 8/23/2018 19:12 |
| Endosulfan Sulfate | 7.11 | ug/Kg | | 8/23/2018 19:12 |
| Endrin | < 3.90 | ug/Kg | | 8/23/2018 19:12 |
| Endrin Aldehyde | 5.58 | ug/Kg | | 8/23/2018 19:12 |
| Endrin Ketone | 3.43 | ug/Kg | JP | 8/23/2018 19:12 |
| gamma-BHC (Lindane) | < 3.90 | ug/Kg | | 8/23/2018 19:12 |
| Heptachlor | < 3.90 | ug/Kg | | 8/23/2018 19:12 |
| Heptachlor Epoxide | < 3.90 | ug/Kg | | 8/23/2018 19:12 |
| Methoxychlor | 14.9 | ug/Kg | | 8/23/2018 19:12 |
| Toxaphene | < 39.0 | ug/Kg | | 8/23/2018 19:12 |
| trans-Chlordane | < 3.90 | ug/Kg | | 8/23/2018 19:12 |

| Surrogate | Percent Recovery | Limits | Outliers | Date Analyzed |
|--------------------------|------------------|------------|----------|-----------------|
| Decachlorobiphenyl (1) | 43.9 | 46.2 - 125 | * | 8/23/2018 19:12 |
| Tetrachloro-m-xylene (1) | 28.3 | 29 - 98.8 | * | 8/23/2018 19:12 |

Method Reference(s): EPA 8081B

EPA 3546

Preparation Date: 8/21/2018

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Report Prepared Tuesday, September 4, 2018



Lab Project ID: 183775

Client: **BE3**

Project Reference: 31 + 150 Tonawanda St

Sample Identifier: BH-6 (4-6)

Lab Sample ID: 183775-01

Matrix: Soil

Date Sampled: 8/16/2018

Date Received: 8/17/2018

Semi-Volatile Organics (Acid/Base Neutrals)

| Analyte | Result | Units | Qualifier | Date Analyzed |
|------------------------------|------------|-------|-----------|-----------------|
| 1,1-Biphenyl | < 349 | ug/Kg | | 8/23/2018 07:23 |
| 1,2,4,5-Tetrachlorobenzene | < 349 | ug/Kg | | 8/23/2018 07:23 |
| 1,2,4-Trichlorobenzene | < 349 | ug/Kg | | 8/23/2018 07:23 |
| 1,2-Dichlorobenzene | < 349 | ug/Kg | | 8/23/2018 07:23 |
| 1,3-Dichlorobenzene | < 349 | ug/Kg | | 8/23/2018 07:23 |
| 1,4-Dichlorobenzene | < 349 | ug/Kg | | 8/23/2018 07:23 |
| 2,2-Oxybis (1-chloropropane) | < 349 | ug/Kg | | 8/23/2018 07:23 |
| 2,3,4,6-Tetrachlorophenol | < 349 | ug/Kg | | 8/23/2018 07:23 |
| 2,4,5-Trichlorophenol | < 349 | ug/Kg | | 8/23/2018 07:23 |
| 2,4,6-Trichlorophenol | < 349 | ug/Kg | | 8/23/2018 07:23 |
| 2,4-Dichlorophenol | < 349 | ug/Kg | | 8/23/2018 07:23 |
| 2,4-Dimethylphenol | < 349 | ug/Kg | | 8/23/2018 07:23 |
| 2,4-Dinitrophenol | < 1400 | ug/Kg | | 8/23/2018 07:23 |
| 2,4-Dinitrotoluene | < 349 | ug/Kg | | 8/23/2018 07:23 |
| 2,6-Dinitrotoluene | < 349 | ug/Kg | | 8/23/2018 07:23 |
| 2-Chloronaphthalene | < 349 | ug/Kg | | 8/23/2018 07:23 |
| 2-Chlorophenol | < 349 | ug/Kg | | 8/23/2018 07:23 |
| 2-Methylnapthalene | 357 | ug/Kg | | 8/23/2018 07:23 |
| 2-Methylphenol | < 349 | ug/Kg | | 8/23/2018 07:23 |
| 2-Nitroaniline | < 349 | ug/Kg | | 8/23/2018 07:23 |
| 2-Nitrophenol | < 349 | ug/Kg | | 8/23/2018 07:23 |
| 3&4-Methylphenol | < 349 | ug/Kg | | 8/23/2018 07:23 |
| 3,3'-Dichlorobenzidine | < 349 | ug/Kg | | 8/23/2018 07:23 |
| 3-Nitroaniline | < 349 | ug/Kg | | 8/23/2018 07:23 |
| 4,6-Dinitro-2-methylphenol | < 698 | ug/Kg | | 8/23/2018 07:23 |
| 4-Bromophenyl phenyl ether | < 349 | ug/Kg | | 8/23/2018 07:23 |
| 4-Chloro-3-methylphenol | < 349 | ug/Kg | | 8/23/2018 07:23 |

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Report Prepared Tuesday, September 4, 2018



Lab Project ID: 183775

Client: **BE3**

Project Reference: 31 + 150 Tonawanda St

| | | | | | |
|------------------------------|------------|-------|-----------------------|-----------|-------|
| Sample Identifier: | BH-6 (4-6) | | | | |
| Lab Sample ID: | 183775-01 | | Date Sampled: | 8/16/2018 | |
| Matrix: | Soil | | Date Received: | 8/17/2018 | |
| 4-Chloroaniline | < 349 | ug/Kg | | 8/23/2018 | 07:23 |
| 4-Chlorophenyl phenyl ether | < 349 | ug/Kg | | 8/23/2018 | 07:23 |
| 4-Nitroaniline | < 349 | ug/Kg | | 8/23/2018 | 07:23 |
| 4-Nitrophenol | < 349 | ug/Kg | | 8/23/2018 | 07:23 |
| Acenaphthene | < 349 | ug/Kg | | 8/23/2018 | 07:23 |
| Acenaphthylene | < 349 | ug/Kg | | 8/23/2018 | 07:23 |
| Acetophenone | < 349 | ug/Kg | | 8/23/2018 | 07:23 |
| Anthracene | < 349 | ug/Kg | | 8/23/2018 | 07:23 |
| Atrazine | < 349 | ug/Kg | | 8/23/2018 | 07:23 |
| Benzaldehyde | < 349 | ug/Kg | | 8/23/2018 | 07:23 |
| Benzo (a) anthracene | 282 | ug/Kg | J | 8/23/2018 | 07:23 |
| Benzo (a) pyrene | 239 | ug/Kg | J | 8/23/2018 | 07:23 |
| Benzo (b) fluoranthene | 348 | ug/Kg | J | 8/23/2018 | 07:23 |
| Benzo (g,h,i) perylene | 217 | ug/Kg | J | 8/23/2018 | 07:23 |
| Benzo (k) fluoranthene | 224 | ug/Kg | J | 8/23/2018 | 07:23 |
| Bis (2-chloroethoxy) methane | < 349 | ug/Kg | | 8/23/2018 | 07:23 |
| Bis (2-chloroethyl) ether | < 349 | ug/Kg | | 8/23/2018 | 07:23 |
| Bis (2-ethylhexyl) phthalate | < 349 | ug/Kg | | 8/23/2018 | 07:23 |
| Butylbenzylphthalate | < 349 | ug/Kg | | 8/23/2018 | 07:23 |
| Caprolactam | < 349 | ug/Kg | | 8/23/2018 | 07:23 |
| Carbazole | < 349 | ug/Kg | | 8/23/2018 | 07:23 |
| Chrysene | 409 | ug/Kg | | 8/23/2018 | 07:23 |
| Dibenz (a,h) anthracene | < 349 | ug/Kg | | 8/23/2018 | 07:23 |
| Dibenzofuran | < 349 | ug/Kg | | 8/23/2018 | 07:23 |
| Diethyl phthalate | < 349 | ug/Kg | | 8/23/2018 | 07:23 |
| Dimethyl phthalate | < 349 | ug/Kg | | 8/23/2018 | 07:23 |
| Di-n-butyl phthalate | < 349 | ug/Kg | | 8/23/2018 | 07:23 |
| Di-n-octylphthalate | < 349 | ug/Kg | | 8/23/2018 | 07:23 |
| Fluoranthene | 498 | ug/Kg | | 8/23/2018 | 07:23 |
| Fluorene | < 349 | ug/Kg | | 8/23/2018 | 07:23 |

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Report Prepared Tuesday, September 4, 2018



Lab Project ID: 183775

Client: **BE3**

Project Reference: 31 + 150 Tonawanda St

Sample Identifier: BH-6 (4-6)

Lab Sample ID: 183775-01

Date Sampled: 8/16/2018

Matrix: Soil

Date Received: 8/17/2018

| | | | | |
|----------------------------|------------|-------|---|-----------------|
| Hexachlorobenzene | < 349 | ug/Kg | | 8/23/2018 07:23 |
| Hexachlorobutadiene | < 349 | ug/Kg | | 8/23/2018 07:23 |
| Hexachlorocyclopentadiene | < 1400 | ug/Kg | | 8/23/2018 07:23 |
| Hexachloroethane | < 349 | ug/Kg | | 8/23/2018 07:23 |
| Indeno (1,2,3-cd) pyrene | 210 | ug/Kg | J | 8/23/2018 07:23 |
| Isophorone | < 349 | ug/Kg | | 8/23/2018 07:23 |
| Naphthalene | 212 | ug/Kg | J | 8/23/2018 07:23 |
| Nitrobenzene | < 349 | ug/Kg | | 8/23/2018 07:23 |
| N-Nitroso-di-n-propylamine | < 349 | ug/Kg | | 8/23/2018 07:23 |
| N-Nitrosodiphenylamine | < 349 | ug/Kg | | 8/23/2018 07:23 |
| Pentachlorophenol | < 698 | ug/Kg | | 8/23/2018 07:23 |
| Phenanthrene | 582 | ug/Kg | | 8/23/2018 07:23 |
| Phenol | < 349 | ug/Kg | | 8/23/2018 07:23 |
| Pyrene | 490 | ug/Kg | | 8/23/2018 07:23 |

| Surrogate | Percent Recovery | Limits | Outliers | Date Analyzed |
|----------------------|------------------|-------------|----------|-----------------|
| 2,4,6-Tribromophenol | 28.6 | 35.7 - 94.4 | * | 8/23/2018 07:23 |
| 2-Fluorobiphenyl | 33.6 | 35.7 - 85.7 | * | 8/23/2018 07:23 |
| 2-Fluorophenol | 31.1 | 39.4 - 78.1 | * | 8/23/2018 07:23 |
| Nitrobenzene-d5 | 32.6 | 36.1 - 74.4 | * | 8/23/2018 07:23 |
| Phenol-d5 | 34.3 | 40.6 - 79.3 | * | 8/23/2018 07:23 |
| Terphenyl-d14 | 33.3 | 46.6 - 99.9 | * | 8/23/2018 07:23 |

Method Reference(s): EPA 8270D

EPA 3546

Preparation Date: 8/22/2018

Data File: B30687.D

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Report Prepared Tuesday, September 4, 2018



Lab Project ID: 183775

Client: **BE3**

Project Reference: 31 + 150 Tonawanda St

Sample Identifier: BH-6 (4-6)

Lab Sample ID: 183775-01

Matrix: Soil

Date Sampled: 8/16/2018

Date Received: 8/17/2018

Volatile Organics

| Analyte | Result | Units | Qualifier | Date Analyzed |
|-----------------------------|--------|-------|-----------|-----------------|
| 1,1,1-Trichloroethane | 101 | ug/Kg | | 8/28/2018 19:31 |
| 1,1,2,2-Tetrachloroethane | < 12.3 | ug/Kg | | 8/28/2018 19:31 |
| 1,1,2-Trichloroethane | < 12.3 | ug/Kg | | 8/28/2018 19:31 |
| 1,1-Dichloroethane | 192 | ug/Kg | | 8/28/2018 19:31 |
| 1,1-Dichloroethene | 7.32 | ug/Kg | J | 8/28/2018 19:31 |
| 1,2,3-Trichlorobenzene | < 30.8 | ug/Kg | | 8/28/2018 19:31 |
| 1,2,4-Trichlorobenzene | < 30.8 | ug/Kg | | 8/28/2018 19:31 |
| 1,2,4-Trimethylbenzene | 96.6 | ug/Kg | | 8/28/2018 19:31 |
| 1,2-Dibromo-3-Chloropropane | < 61.6 | ug/Kg | | 8/28/2018 19:31 |
| 1,2-Dibromoethane | < 12.3 | ug/Kg | | 8/28/2018 19:31 |
| 1,2-Dichlorobenzene | < 12.3 | ug/Kg | | 8/28/2018 19:31 |
| 1,2-Dichloroethane | 13.9 | ug/Kg | | 8/28/2018 19:31 |
| 1,2-Dichloropropane | < 12.3 | ug/Kg | | 8/28/2018 19:31 |
| 1,3,5-Trimethylbenzene | 40.7 | ug/Kg | | 8/28/2018 19:31 |
| 1,3-Dichlorobenzene | < 12.3 | ug/Kg | | 8/28/2018 19:31 |
| 1,4-Dichlorobenzene | < 12.3 | ug/Kg | | 8/28/2018 19:31 |
| 1,4-Dioxane | < 123 | ug/Kg | | 8/28/2018 19:31 |
| 2-Butanone | 102 | ug/Kg | | 8/28/2018 19:31 |
| 2-Hexanone | < 30.8 | ug/Kg | | 8/28/2018 19:31 |
| 4-Methyl-2-pentanone | < 30.8 | ug/Kg | | 8/28/2018 19:31 |
| Acetone | 380 | ug/Kg | | 8/28/2018 19:31 |
| Benzene | 7.43 | ug/Kg | J | 8/28/2018 19:31 |
| Bromochloromethane | < 30.8 | ug/Kg | | 8/28/2018 19:31 |
| Bromodichloromethane | < 12.3 | ug/Kg | | 8/28/2018 19:31 |
| Bromoform | < 30.8 | ug/Kg | | 8/28/2018 19:31 |
| Bromomethane | < 12.3 | ug/Kg | | 8/28/2018 19:31 |
| Carbon disulfide | 33.8 | ug/Kg | | 8/28/2018 19:31 |

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Report Prepared Tuesday, September 4, 2018



Lab Project ID: 183775

Client: **BE3**

Project Reference: 31 + 150 Tonawanda St

| | | | | |
|---------------------------|-------------|-------|----------------|-----------------|
| Sample Identifier: | BH-6 (4-6) | | | |
| Lab Sample ID: | 183775-01 | | Date Sampled: | 8/16/2018 |
| Matrix: | Soil | | Date Received: | 8/17/2018 |
| Carbon Tetrachloride | < 12.3 | ug/Kg | | 8/28/2018 19:31 |
| Chlorobenzene | < 12.3 | ug/Kg | | 8/28/2018 19:31 |
| Chloroethane | 413 | ug/Kg | | 8/28/2018 19:31 |
| Chloroform | < 12.3 | ug/Kg | | 8/28/2018 19:31 |
| Chloromethane | < 12.3 | ug/Kg | | 8/28/2018 19:31 |
| cis-1,2-Dichloroethene | 417 | ug/Kg | | 8/28/2018 19:31 |
| cis-1,3-Dichloropropene | < 12.3 | ug/Kg | | 8/28/2018 19:31 |
| Cyclohexane | < 61.6 | ug/Kg | | 8/28/2018 19:31 |
| Dibromochloromethane | < 12.3 | ug/Kg | | 8/28/2018 19:31 |
| Dichlorodifluoromethane | < 12.3 | ug/Kg | | 8/28/2018 19:31 |
| Ethylbenzene | 51.0 | ug/Kg | | 8/28/2018 19:31 |
| Freon 113 | < 12.3 | ug/Kg | | 8/28/2018 19:31 |
| Isopropylbenzene | 7.39 | ug/Kg | J | 8/28/2018 19:31 |
| m,p-Xylene | 172 | ug/Kg | | 8/28/2018 19:31 |
| Methyl acetate | < 12.3 | ug/Kg | | 8/28/2018 19:31 |
| Methyl tert-butyl Ether | < 12.3 | ug/Kg | | 8/28/2018 19:31 |
| Methylcyclohexane | 35.5 | ug/Kg | | 8/28/2018 19:31 |
| Methylene chloride | 19.6 | ug/Kg | J | 8/28/2018 19:31 |
| Naphthalene | < 30.8 | ug/Kg | | 8/28/2018 19:31 |
| n-Butylbenzene | < 12.3 | ug/Kg | | 8/28/2018 19:31 |
| n-Propylbenzene | 9.65 | ug/Kg | J | 8/28/2018 19:31 |
| o-Xylene | 128 | ug/Kg | | 8/28/2018 19:31 |
| p-Isopropyltoluene | 7.44 | ug/Kg | J | 8/28/2018 19:31 |
| sec-Butylbenzene | 7.23 | ug/Kg | J | 8/28/2018 19:31 |
| Styrene | < 30.8 | ug/Kg | | 8/28/2018 19:31 |
| tert-Butylbenzene | < 12.3 | ug/Kg | | 8/28/2018 19:31 |
| Tetrachloroethene | 18.9 | ug/Kg | | 8/28/2018 19:31 |
| Toluene | 219 | ug/Kg | | 8/28/2018 19:31 |
| trans-1,2-Dichloroethene | 19.3 | ug/Kg | | 8/28/2018 19:31 |
| trans-1,3-Dichloropropene | < 12.3 | ug/Kg | | 8/28/2018 19:31 |

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Report Prepared Tuesday, September 4, 2018



Lab Project ID: 183775

Client: **BE3**

Project Reference: 31 + 150 Tonawanda St

Sample Identifier: BH-6 (4-6)

Lab Sample ID: 183775-01

Date Sampled: 8/16/2018

Matrix: Soil

Date Received: 8/17/2018

| | | | | |
|------------------------|-------------------------|---------------|-----------------|----------------------|
| Trichloroethene | 160 | ug/Kg | | 8/28/2018 19:31 |
| Trichlorofluoromethane | < 12.3 | ug/Kg | | 8/28/2018 19:31 |
| Vinyl chloride | 86.4 | ug/Kg | | 8/28/2018 19:31 |
| Surrogate | Percent Recovery | Limits | Outliers | Date Analyzed |
| 1,2-Dichloroethane-d4 | 113 | 80.4 - 128 | | 8/28/2018 19:31 |
| 4-Bromofluorobenzene | 62.5 | 75.7 - 120 | * | 8/28/2018 19:31 |
| Pentafluorobenzene | 85.7 | 85.3 - 111 | | 8/28/2018 19:31 |
| Toluene-D8 | 84.4 | 85 - 112 | * | 8/28/2018 19:31 |

Internal standard outliers indicate probable matrix interference

Method Reference(s): EPA 8260C
EPA 5035A - L

Data File: x53596.D

This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.

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Report Prepared Tuesday, September 4, 2018



Lab Project ID: 183775

Client: **BE3**

Project Reference: 31 + 150 Tonawanda St

Sample Identifier: BH-6 (4-6)

Lab Sample ID: 183775-01

Matrix: Soil

Date Sampled: 8/16/2018

Date Received: 8/17/2018

Total Cyanide

| <u>Analyte</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|----------------|---------------|--------------|------------------|----------------------|
| Cyanide, Total | < 0.610 | mg/Kg | | 8/30/2018 |

Method Reference(s): EPA 9014
Preparation Date: 8/28/2018

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Report Prepared Tuesday, September 4, 2018



Lab Project ID: 183775

Client: **BE3**

Project Reference: 31 + 150 Tonawanda St

Sample Identifier: BH-2 (19-20)

Lab Sample ID: 183775-02

Date Sampled: 8/16/2018

Matrix: Soil

Date Received: 8/17/2018

Mercury

| <u>Analyte</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|-----------------------|----------------------|---------------------|-------------------------|-----------------------------|
| Mercury | 0.0103 | mg/Kg | | 8/28/2018 11:53 |

Method Reference(s): EPA 7471B
Preparation Date: 8/27/2018
Data File: Hg180828B

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Report Prepared Tuesday, September 4, 2018



Lab Project ID: 183775

Client: **BE3**

Project Reference: 31 + 150 Tonawanda St

Sample Identifier: BH-2 (19-20)

Lab Sample ID: 183775-02

Matrix: Soil

Date Sampled: 8/16/2018

Date Received: 8/17/2018

PCBs

| <u>Analyte</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|-----------------------|----------------------|---------------------|-------------------------|-----------------------------|
| PCB-1016 | < 0.0346 | mg/Kg | | 8/22/2018 10:10 |
| PCB-1221 | < 0.0346 | mg/Kg | | 8/22/2018 10:10 |
| PCB-1232 | < 0.0346 | mg/Kg | | 8/22/2018 10:10 |
| PCB-1242 | < 0.0346 | mg/Kg | | 8/22/2018 10:10 |
| PCB-1248 | < 0.0346 | mg/Kg | | 8/22/2018 10:10 |
| PCB-1254 | < 0.0346 | mg/Kg | | 8/22/2018 10:10 |
| PCB-1260 | < 0.0346 | mg/Kg | | 8/22/2018 10:10 |
| PCB-1262 | < 0.0346 | mg/Kg | | 8/22/2018 10:10 |
| PCB-1268 | < 0.0346 | mg/Kg | | 8/22/2018 10:10 |

| <u>Surrogate</u> | <u>Percent Recovery</u> | <u>Limits</u> | <u>Outliers</u> | <u>Date Analyzed</u> |
|-------------------------|--------------------------------|----------------------|------------------------|-----------------------------|
| Decachlorobiphenyl | 55.7 | 23.4 - 108 | | 8/22/2018 10:10 |
| Tetrachloro-m-xylene | 27.7 | 10 - 84 | | 8/22/2018 10:10 |

Method Reference(s): EPA 8082A

EPA 3546

Preparation Date: 8/21/2018

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Report Prepared Tuesday, September 4, 2018



Lab Project ID: 183775

Client: **BE3**

Project Reference: 31 + 150 Tonawanda St

Sample Identifier: BH-2 (19-20)

Lab Sample ID: 183775-02

Matrix: Soil

Date Sampled: 8/16/2018

Date Received: 8/17/2018

Chlorinated Pesticides

| Analyte | Result | Units | Qualifier | Date Analyzed |
|---------------------|--------|-------|-----------|-----------------|
| 4,4-DDD | < 3.46 | ug/Kg | | 8/23/2018 19:28 |
| 4,4-DDE | < 3.46 | ug/Kg | | 8/23/2018 19:28 |
| 4,4-DDT | < 3.46 | ug/Kg | | 8/23/2018 19:28 |
| Aldrin | < 3.46 | ug/Kg | | 8/23/2018 19:28 |
| alpha-BHC | < 3.46 | ug/Kg | | 8/23/2018 19:28 |
| beta-BHC | < 3.46 | ug/Kg | | 8/23/2018 19:28 |
| cis-Chlordane | < 3.46 | ug/Kg | | 8/23/2018 19:28 |
| delta-BHC | < 3.46 | ug/Kg | | 8/23/2018 19:28 |
| Dieldrin | < 3.46 | ug/Kg | | 8/23/2018 19:28 |
| Endosulfan I | < 3.46 | ug/Kg | | 8/23/2018 19:28 |
| Endosulfan II | < 3.46 | ug/Kg | | 8/23/2018 19:28 |
| Endosulfan Sulfate | < 3.46 | ug/Kg | | 8/23/2018 19:28 |
| Endrin | < 3.46 | ug/Kg | | 8/23/2018 19:28 |
| Endrin Aldehyde | < 3.46 | ug/Kg | | 8/23/2018 19:28 |
| Endrin Ketone | < 3.46 | ug/Kg | | 8/23/2018 19:28 |
| gamma-BHC (Lindane) | < 3.46 | ug/Kg | | 8/23/2018 19:28 |
| Heptachlor | < 3.46 | ug/Kg | | 8/23/2018 19:28 |
| Heptachlor Epoxide | < 3.46 | ug/Kg | | 8/23/2018 19:28 |
| Methoxychlor | < 3.46 | ug/Kg | | 8/23/2018 19:28 |
| Toxaphene | < 34.6 | ug/Kg | | 8/23/2018 19:28 |
| trans-Chlordane | < 3.46 | ug/Kg | | 8/23/2018 19:28 |

| Surrogate | Percent Recovery | Limits | Outliers | Date Analyzed |
|--------------------------|------------------|------------|----------|-----------------|
| Decachlorobiphenyl (1) | 80.8 | 46.2 - 125 | | 8/23/2018 19:28 |
| Tetrachloro-m-xylene (1) | 50.9 | 29 - 98.8 | | 8/23/2018 19:28 |

Method Reference(s): EPA 8081B

EPA 3546

Preparation Date: 8/21/2018

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Report Prepared Tuesday, September 4, 2018



Lab Project ID: 183775

Client: **BE3**

Project Reference: 31 + 150 Tonawanda St

Sample Identifier: BH-2 (19-20)

Lab Sample ID: 183775-02

Matrix: Soil

Date Sampled: 8/16/2018

Date Received: 8/17/2018

Semi-Volatile Organics (Acid/Base Neutrals)

| Analyte | Result | Units | Qualifier | Date Analyzed |
|------------------------------|--------|-------|-----------|-----------------|
| 1,1-Biphenyl | 183 | ug/Kg | J | 8/23/2018 07:51 |
| 1,2,4,5-Tetrachlorobenzene | < 280 | ug/Kg | | 8/23/2018 07:51 |
| 1,2,4-Trichlorobenzene | < 280 | ug/Kg | | 8/23/2018 07:51 |
| 1,2-Dichlorobenzene | < 280 | ug/Kg | | 8/23/2018 07:51 |
| 1,3-Dichlorobenzene | < 280 | ug/Kg | | 8/23/2018 07:51 |
| 1,4-Dichlorobenzene | < 280 | ug/Kg | | 8/23/2018 07:51 |
| 2,2-Oxybis (1-chloropropane) | < 280 | ug/Kg | | 8/23/2018 07:51 |
| 2,3,4,6-Tetrachlorophenol | < 280 | ug/Kg | | 8/23/2018 07:51 |
| 2,4,5-Trichlorophenol | < 280 | ug/Kg | | 8/23/2018 07:51 |
| 2,4,6-Trichlorophenol | < 280 | ug/Kg | | 8/23/2018 07:51 |
| 2,4-Dichlorophenol | < 280 | ug/Kg | | 8/23/2018 07:51 |
| 2,4-Dimethylphenol | < 280 | ug/Kg | | 8/23/2018 07:51 |
| 2,4-Dinitrophenol | < 1120 | ug/Kg | | 8/23/2018 07:51 |
| 2,4-Dinitrotoluene | < 280 | ug/Kg | | 8/23/2018 07:51 |
| 2,6-Dinitrotoluene | < 280 | ug/Kg | | 8/23/2018 07:51 |
| 2-Chloronaphthalene | < 280 | ug/Kg | | 8/23/2018 07:51 |
| 2-Chlorophenol | < 280 | ug/Kg | | 8/23/2018 07:51 |
| 2-Methylnapthalene | 683 | ug/Kg | | 8/23/2018 07:51 |
| 2-Methylphenol | < 280 | ug/Kg | | 8/23/2018 07:51 |
| 2-Nitroaniline | < 280 | ug/Kg | | 8/23/2018 07:51 |
| 2-Nitrophenol | < 280 | ug/Kg | | 8/23/2018 07:51 |
| 3&4-Methylphenol | < 280 | ug/Kg | | 8/23/2018 07:51 |
| 3,3'-Dichlorobenzidine | < 280 | ug/Kg | | 8/23/2018 07:51 |
| 3-Nitroaniline | < 280 | ug/Kg | | 8/23/2018 07:51 |
| 4,6-Dinitro-2-methylphenol | < 560 | ug/Kg | | 8/23/2018 07:51 |
| 4-Bromophenyl phenyl ether | < 280 | ug/Kg | | 8/23/2018 07:51 |
| 4-Chloro-3-methylphenol | < 280 | ug/Kg | | 8/23/2018 07:51 |

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Report Prepared Tuesday, September 4, 2018



Lab Project ID: 183775

Client: **BE3**

Project Reference: 31 + 150 Tonawanda St

| | | | | |
|------------------------------|--------------|-------|----------------|-----------------|
| Sample Identifier: | BH-2 (19-20) | | | |
| Lab Sample ID: | 183775-02 | | Date Sampled: | 8/16/2018 |
| Matrix: | Soil | | Date Received: | 8/17/2018 |
| 4-Chloroaniline | < 280 | ug/Kg | | 8/23/2018 07:51 |
| 4-Chlorophenyl phenyl ether | < 280 | ug/Kg | | 8/23/2018 07:51 |
| 4-Nitroaniline | < 280 | ug/Kg | | 8/23/2018 07:51 |
| 4-Nitrophenol | < 280 | ug/Kg | | 8/23/2018 07:51 |
| Acenaphthene | 438 | ug/Kg | | 8/23/2018 07:51 |
| Acenaphthylene | 310 | ug/Kg | | 8/23/2018 07:51 |
| Acetophenone | < 280 | ug/Kg | | 8/23/2018 07:51 |
| Anthracene | < 280 | ug/Kg | | 8/23/2018 07:51 |
| Atrazine | < 280 | ug/Kg | | 8/23/2018 07:51 |
| Benzaldehyde | < 280 | ug/Kg | | 8/23/2018 07:51 |
| Benzo (a) anthracene | < 280 | ug/Kg | | 8/23/2018 07:51 |
| Benzo (a) pyrene | < 280 | ug/Kg | | 8/23/2018 07:51 |
| Benzo (b) fluoranthene | < 280 | ug/Kg | | 8/23/2018 07:51 |
| Benzo (g,h,i) perylene | < 280 | ug/Kg | | 8/23/2018 07:51 |
| Benzo (k) fluoranthene | < 280 | ug/Kg | | 8/23/2018 07:51 |
| Bis (2-chloroethoxy) methane | < 280 | ug/Kg | | 8/23/2018 07:51 |
| Bis (2-chloroethyl) ether | < 280 | ug/Kg | | 8/23/2018 07:51 |
| Bis (2-ethylhexyl) phthalate | < 280 | ug/Kg | | 8/23/2018 07:51 |
| Butylbenzylphthalate | < 280 | ug/Kg | | 8/23/2018 07:51 |
| Caprolactam | < 280 | ug/Kg | | 8/23/2018 07:51 |
| Carbazole | < 280 | ug/Kg | | 8/23/2018 07:51 |
| Chrysene | < 280 | ug/Kg | | 8/23/2018 07:51 |
| Dibenz (a,h) anthracene | < 280 | ug/Kg | | 8/23/2018 07:51 |
| Dibenzofuran | < 280 | ug/Kg | | 8/23/2018 07:51 |
| Diethyl phthalate | < 280 | ug/Kg | | 8/23/2018 07:51 |
| Dimethyl phthalate | < 280 | ug/Kg | | 8/23/2018 07:51 |
| Di-n-butyl phthalate | < 280 | ug/Kg | | 8/23/2018 07:51 |
| Di-n-octylphthalate | < 280 | ug/Kg | | 8/23/2018 07:51 |
| Fluoranthene | < 280 | ug/Kg | | 8/23/2018 07:51 |
| Fluorene | 226 | ug/Kg | J | 8/23/2018 07:51 |

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Report Prepared Tuesday, September 4, 2018



Lab Project ID: 183775

Client: **BE3**

Project Reference: 31 + 150 Tonawanda St

| | | | | | |
|-----------------------------|-------------------------|--------------|---------------|-----------------------|----------------------|
| Sample Identifier: | | BH-2 (19-20) | | | |
| Lab Sample ID: | | 183775-02 | | Date Sampled: | 8/16/2018 |
| Matrix: | | Soil | | Date Received: | 8/17/2018 |
| Hexachlorobenzene | < 280 | ug/Kg | | 8/23/2018 | 07:51 |
| Hexachlorobutadiene | < 280 | ug/Kg | | 8/23/2018 | 07:51 |
| Hexachlorocyclopentadiene | < 1120 | ug/Kg | | 8/23/2018 | 07:51 |
| Hexachloroethane | < 280 | ug/Kg | | 8/23/2018 | 07:51 |
| Indeno (1,2,3-cd) pyrene | < 280 | ug/Kg | | 8/23/2018 | 07:51 |
| Isophorone | < 280 | ug/Kg | | 8/23/2018 | 07:51 |
| Naphthalene | 2730 | ug/Kg | | 8/23/2018 | 07:51 |
| Nitrobenzene | < 280 | ug/Kg | | 8/23/2018 | 07:51 |
| N-Nitroso-di-n-propylamine | < 280 | ug/Kg | | 8/23/2018 | 07:51 |
| N-Nitrosodiphenylamine | < 280 | ug/Kg | | 8/23/2018 | 07:51 |
| Pentachlorophenol | < 560 | ug/Kg | | 8/23/2018 | 07:51 |
| Phenanthrene | 577 | ug/Kg | | 8/23/2018 | 07:51 |
| Phenol | < 280 | ug/Kg | | 8/23/2018 | 07:51 |
| Pyrene | < 280 | ug/Kg | | 8/23/2018 | 07:51 |
| Surrogate | Percent Recovery | | Limits | Outliers | Date Analyzed |
| 2,4,6-Tribromophenol | 65.6 | | 35.7 - 94.4 | | 8/23/2018 07:51 |
| 2-Fluorobiphenyl | 64.0 | | 35.7 - 85.7 | | 8/23/2018 07:51 |
| 2-Fluorophenol | 66.2 | | 39.4 - 78.1 | | 8/23/2018 07:51 |
| Nitrobenzene-d5 | 63.6 | | 36.1 - 74.4 | | 8/23/2018 07:51 |
| Phenol-d5 | 70.4 | | 40.6 - 79.3 | | 8/23/2018 07:51 |
| Terphenyl-d14 | 71.9 | | 46.6 - 99.9 | | 8/23/2018 07:51 |
| Method Reference(s): | | EPA 8270D | | | |
| | | EPA 3546 | | | |
| Preparation Date: | | 8/22/2018 | | | |
| Data File: | | B30688.D | | | |

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Report Prepared Tuesday, September 4, 2018



Lab Project ID: 183775

Client: **BE3**

Project Reference: 31 + 150 Tonawanda St

Sample Identifier: BH-2 (19-20)

Lab Sample ID: 183775-02

Matrix: Soil

Date Sampled: 8/16/2018

Date Received: 8/17/2018

Volatile Organics

| Analyte | Result | Units | Qualifier | Date Analyzed |
|-----------------------------|-------------|-------|-----------|-----------------|
| 1,1,1-Trichloroethane | < 104 | ug/Kg | | 8/29/2018 20:01 |
| 1,1,2,2-Tetrachloroethane | < 104 | ug/Kg | | 8/29/2018 20:01 |
| 1,1,2-Trichloroethane | < 104 | ug/Kg | | 8/29/2018 20:01 |
| 1,1-Dichloroethane | < 104 | ug/Kg | | 8/29/2018 20:01 |
| 1,1-Dichloroethene | < 104 | ug/Kg | | 8/29/2018 20:01 |
| 1,2,3-Trichlorobenzene | < 259 | ug/Kg | | 8/29/2018 20:01 |
| 1,2,4-Trichlorobenzene | < 259 | ug/Kg | | 8/29/2018 20:01 |
| 1,2,4-Trimethylbenzene | < 104 | ug/Kg | | 8/29/2018 20:01 |
| 1,2-Dibromo-3-Chloropropane | < 519 | ug/Kg | | 8/29/2018 20:01 |
| 1,2-Dibromoethane | < 104 | ug/Kg | | 8/29/2018 20:01 |
| 1,2-Dichlorobenzene | < 104 | ug/Kg | | 8/29/2018 20:01 |
| 1,2-Dichloroethane | < 104 | ug/Kg | | 8/29/2018 20:01 |
| 1,2-Dichloropropane | < 104 | ug/Kg | | 8/29/2018 20:01 |
| 1,3,5-Trimethylbenzene | < 104 | ug/Kg | | 8/29/2018 20:01 |
| 1,3-Dichlorobenzene | < 104 | ug/Kg | | 8/29/2018 20:01 |
| 1,4-Dichlorobenzene | < 104 | ug/Kg | | 8/29/2018 20:01 |
| 1,4-Dioxane | < 1040 | ug/Kg | | 8/29/2018 20:01 |
| 2-Butanone | < 519 | ug/Kg | | 8/29/2018 20:01 |
| 2-Hexanone | < 259 | ug/Kg | | 8/29/2018 20:01 |
| 4-Methyl-2-pentanone | < 259 | ug/Kg | | 8/29/2018 20:01 |
| Acetone | < 519 | ug/Kg | | 8/29/2018 20:01 |
| Benzene | 81.7 | ug/Kg | J | 8/29/2018 20:01 |
| Bromochloromethane | < 259 | ug/Kg | | 8/29/2018 20:01 |
| Bromodichloromethane | < 104 | ug/Kg | | 8/29/2018 20:01 |
| Bromoform | < 259 | ug/Kg | | 8/29/2018 20:01 |
| Bromomethane | < 104 | ug/Kg | | 8/29/2018 20:01 |
| Carbon disulfide | < 104 | ug/Kg | | 8/29/2018 20:01 |

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Report Prepared Tuesday, September 4, 2018



Lab Project ID: 183775

Client: **BE3**

Project Reference: 31 + 150 Tonawanda St

Sample Identifier: BH-2 (19-20)

Lab Sample ID: 183775-02

Date Sampled: 8/16/2018

Matrix: Soil

Date Received: 8/17/2018

| | | | |
|---------------------------|-------------|-------|-----------------|
| Carbon Tetrachloride | < 104 | ug/Kg | 8/29/2018 20:01 |
| Chlorobenzene | < 104 | ug/Kg | 8/29/2018 20:01 |
| Chloroethane | < 104 | ug/Kg | 8/29/2018 20:01 |
| Chloroform | < 104 | ug/Kg | 8/29/2018 20:01 |
| Chloromethane | < 104 | ug/Kg | 8/29/2018 20:01 |
| cis-1,2-Dichloroethene | 364 | ug/Kg | 8/29/2018 20:01 |
| cis-1,3-Dichloropropene | < 104 | ug/Kg | 8/29/2018 20:01 |
| Cyclohexane | < 519 | ug/Kg | 8/29/2018 20:01 |
| Dibromochloromethane | < 104 | ug/Kg | 8/29/2018 20:01 |
| Dichlorodifluoromethane | < 104 | ug/Kg | 8/29/2018 20:01 |
| Ethylbenzene | 183 | ug/Kg | 8/29/2018 20:01 |
| Freon 113 | < 104 | ug/Kg | 8/29/2018 20:01 |
| Isopropylbenzene | < 104 | ug/Kg | 8/29/2018 20:01 |
| m,p-Xylene | < 104 | ug/Kg | 8/29/2018 20:01 |
| Methyl acetate | < 104 | ug/Kg | 8/29/2018 20:01 |
| Methyl tert-butyl Ether | < 104 | ug/Kg | 8/29/2018 20:01 |
| Methylcyclohexane | < 104 | ug/Kg | 8/29/2018 20:01 |
| Methylene chloride | < 259 | ug/Kg | 8/29/2018 20:01 |
| Naphthalene | 1160 | ug/Kg | 8/29/2018 20:01 |
| n-Butylbenzene | < 104 | ug/Kg | 8/29/2018 20:01 |
| n-Propylbenzene | < 104 | ug/Kg | 8/29/2018 20:01 |
| o-Xylene | < 104 | ug/Kg | 8/29/2018 20:01 |
| p-Isopropyltoluene | < 104 | ug/Kg | 8/29/2018 20:01 |
| sec-Butylbenzene | < 104 | ug/Kg | 8/29/2018 20:01 |
| Styrene | < 259 | ug/Kg | 8/29/2018 20:01 |
| tert-Butylbenzene | < 104 | ug/Kg | 8/29/2018 20:01 |
| Tetrachloroethene | < 104 | ug/Kg | 8/29/2018 20:01 |
| Toluene | < 104 | ug/Kg | 8/29/2018 20:01 |
| trans-1,2-Dichloroethene | < 104 | ug/Kg | 8/29/2018 20:01 |
| trans-1,3-Dichloropropene | < 104 | ug/Kg | 8/29/2018 20:01 |

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Report Prepared Tuesday, September 4, 2018



Lab Project ID: 183775

Client: **BE3**

Project Reference: 31 + 150 Tonawanda St

Sample Identifier: BH-2 (19-20)

Lab Sample ID: 183775-02

Date Sampled: 8/16/2018

Matrix: Soil

Date Received: 8/17/2018

| | | | | |
|------------------------|------------|-------|-----------|-------|
| Trichloroethene | < 104 | ug/Kg | 8/29/2018 | 20:01 |
| Trichlorofluoromethane | < 104 | ug/Kg | 8/29/2018 | 20:01 |
| Vinyl chloride | 199 | ug/Kg | 8/29/2018 | 20:01 |

| Surrogate | Percent Recovery | Limits | Outliers | Date Analyzed |
|-----------------------|-------------------------|---------------|-----------------|----------------------|
| 1,2-Dichloroethane-d4 | 107 | 80.4 - 128 | | 8/29/2018 20:01 |
| 4-Bromofluorobenzene | 95.8 | 75.7 - 120 | | 8/29/2018 20:01 |
| Pentafluorobenzene | 98.1 | 85.3 - 111 | | 8/29/2018 20:01 |
| Toluene-D8 | 94.0 | 85 - 112 | | 8/29/2018 20:01 |

Method Reference(s): EPA 8260C
EPA 5035A - L
Data File: x53637.D

This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.

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Report Prepared Tuesday, September 4, 2018



Lab Project ID: 183775

Client: **BE3**

Project Reference: 31 + 150 Tonawanda St

Sample Identifier: BH-2 (19-20)

Lab Sample ID: 183775-02

Date Sampled: 8/16/2018

Matrix: Soil

Date Received: 8/17/2018

Total Cyanide

| <u>Analyte</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|----------------|---------------|--------------|------------------|----------------------|
| Cyanide, Total | < 0.554 | mg/Kg | | 8/30/2018 |

Method Reference(s): EPA 9014
Preparation Date: 8/28/2018

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Report Prepared Tuesday, September 4, 2018



Lab Project ID: 183775

Client: **BE3**

Project Reference: 31 + 150 Tonawanda St

Sample Identifier: BH-1 (0-3)

Lab Sample ID: 183775-03

Date Sampled: 8/16/2018

Matrix: Soil

Date Received: 8/17/2018

Mercury

| <u>Analyte</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|-----------------------|----------------------|---------------------|-------------------------|-----------------------------|
| Mercury | 0.0811 | mg/Kg | | 8/28/2018 11:55 |

Method Reference(s): EPA 7471B
Preparation Date: 8/27/2018
Data File: Hg180828B

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Report Prepared Tuesday, September 4, 2018



Lab Project ID: 183775

Client: **BE3**

Project Reference: 31 + 150 Tonawanda St

Sample Identifier: BH-1 (0-3)

Lab Sample ID: 183775-03

Matrix: Soil

Date Sampled: 8/16/2018

Date Received: 8/17/2018

PCBs

| <u>Analyte</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|----------------|---------------|--------------|------------------|----------------------|
| PCB-1016 | < 0.0333 | mg/Kg | | 8/23/2018 16:36 |
| PCB-1221 | < 0.0333 | mg/Kg | | 8/23/2018 16:36 |
| PCB-1232 | < 0.0333 | mg/Kg | | 8/23/2018 16:36 |
| PCB-1242 | < 0.0333 | mg/Kg | | 8/23/2018 16:36 |
| PCB-1248 | < 0.0333 | mg/Kg | | 8/23/2018 16:36 |
| PCB-1254 | < 0.0333 | mg/Kg | | 8/23/2018 16:36 |
| PCB-1260 | 0.0345 | mg/Kg | | 8/23/2018 16:36 |
| PCB-1262 | < 0.0333 | mg/Kg | | 8/23/2018 16:36 |
| PCB-1268 | < 0.0333 | mg/Kg | | 8/23/2018 16:36 |

| <u>Surrogate</u> | <u>Percent Recovery</u> | <u>Limits</u> | <u>Outliers</u> | <u>Date Analyzed</u> |
|----------------------|-------------------------|---------------|-----------------|----------------------|
| Decachlorobiphenyl | 57.1 | 23.4 - 108 | | 8/23/2018 16:36 |
| Tetrachloro-m-xylene | 42.3 | 10 - 84 | | 8/23/2018 16:36 |

Method Reference(s): EPA 8082A

EPA 3546

Preparation Date: 8/21/2018

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Tuesday, September 4, 2018



Lab Project ID: 183775

Client: **BE3**

Project Reference: 31 + 150 Tonawanda St

Sample Identifier: BH-1 (0-3)

Lab Sample ID: 183775-03

Matrix: Soil

Date Sampled: 8/16/2018

Date Received: 8/17/2018

Chlorinated Pesticides

| Analyte | Result | Units | Qualifier | Date Analyzed |
|---------------------|-------------|-------|-----------|-----------------|
| 4,4-DDD | < 33.3 | ug/Kg | | 8/29/2018 11:45 |
| 4,4-DDE | < 33.3 | ug/Kg | | 8/29/2018 11:45 |
| 4,4-DDT | 33.1 | ug/Kg | J | 8/29/2018 11:45 |
| Aldrin | < 33.3 | ug/Kg | | 8/29/2018 11:45 |
| alpha-BHC | < 33.3 | ug/Kg | | 8/29/2018 11:45 |
| beta-BHC | 244 | ug/Kg | | 8/29/2018 11:45 |
| cis-Chlordane | 277 | ug/Kg | | 8/29/2018 11:45 |
| delta-BHC | < 33.3 | ug/Kg | | 8/29/2018 11:45 |
| Dieldrin | 112 | ug/Kg | P | 8/29/2018 11:45 |
| Endosulfan I | < 33.3 | ug/Kg | | 8/29/2018 11:45 |
| Endosulfan II | < 33.3 | ug/Kg | | 8/29/2018 11:45 |
| Endosulfan Sulfate | 75.6 | ug/Kg | P | 8/29/2018 11:45 |
| Endrin | 18.7 | ug/Kg | J | 8/29/2018 11:45 |
| Endrin Aldehyde | 304 | ug/Kg | | 8/29/2018 11:45 |
| Endrin Ketone | 95.4 | ug/Kg | | 8/29/2018 11:45 |
| gamma-BHC (Lindane) | < 33.3 | ug/Kg | | 8/29/2018 11:45 |
| Heptachlor | < 33.3 | ug/Kg | | 8/29/2018 11:45 |
| Heptachlor Epoxide | 50.5 | ug/Kg | P | 8/29/2018 11:45 |
| Methoxychlor | < 33.3 | ug/Kg | | 8/29/2018 11:45 |
| Toxaphene | < 33.3 | ug/Kg | | 8/29/2018 11:45 |
| trans-Chlordane | < 33.3 | ug/Kg | | 8/29/2018 11:45 |

| Surrogate | Percent Recovery | Limits | Outliers | Date Analyzed |
|--------------------------|------------------|------------|----------|-----------------|
| Decachlorobiphenyl (1) | NC | 46.2 - 125 | | 8/29/2018 11:45 |
| Tetrachloro-m-xylene (1) | NC | 29 - 98.8 | | 8/29/2018 11:45 |

Method Reference(s): EPA 8081B

EPA 3546

Preparation Date: 8/21/2018

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Report Prepared Tuesday, September 4, 2018



Lab Project ID: 183775

Client: **BE3**

Project Reference: 31 + 150 Tonawanda St

Sample Identifier: BH-1 (0-3)

Lab Sample ID: 183775-03

Matrix: Soil

Date Sampled: 8/16/2018

Date Received: 8/17/2018

Semi-Volatile Organics (Acid/Base Neutrals)

| Analyte | Result | Units | Qualifier | Date Analyzed |
|------------------------------|--------|-------|-----------|-----------------|
| 1,1-Biphenyl | < 1560 | ug/Kg | | 8/23/2018 08:21 |
| 1,2,4,5-Tetrachlorobenzene | < 1560 | ug/Kg | | 8/23/2018 08:21 |
| 1,2,4-Trichlorobenzene | < 1560 | ug/Kg | | 8/23/2018 08:21 |
| 1,2-Dichlorobenzene | < 1560 | ug/Kg | | 8/23/2018 08:21 |
| 1,3-Dichlorobenzene | < 1560 | ug/Kg | | 8/23/2018 08:21 |
| 1,4-Dichlorobenzene | < 1560 | ug/Kg | | 8/23/2018 08:21 |
| 2,2-Oxybis (1-chloropropane) | < 1560 | ug/Kg | | 8/23/2018 08:21 |
| 2,3,4,6-Tetrachlorophenol | < 1560 | ug/Kg | | 8/23/2018 08:21 |
| 2,4,5-Trichlorophenol | < 1560 | ug/Kg | | 8/23/2018 08:21 |
| 2,4,6-Trichlorophenol | < 1560 | ug/Kg | | 8/23/2018 08:21 |
| 2,4-Dichlorophenol | < 1560 | ug/Kg | | 8/23/2018 08:21 |
| 2,4-Dimethylphenol | < 1560 | ug/Kg | | 8/23/2018 08:21 |
| 2,4-Dinitrophenol | < 6250 | ug/Kg | | 8/23/2018 08:21 |
| 2,4-Dinitrotoluene | < 1560 | ug/Kg | | 8/23/2018 08:21 |
| 2,6-Dinitrotoluene | < 1560 | ug/Kg | | 8/23/2018 08:21 |
| 2-Chloronaphthalene | < 1560 | ug/Kg | | 8/23/2018 08:21 |
| 2-Chlorophenol | < 1560 | ug/Kg | | 8/23/2018 08:21 |
| 2-Methylnapthalene | < 1560 | ug/Kg | | 8/23/2018 08:21 |
| 2-Methylphenol | < 1560 | ug/Kg | | 8/23/2018 08:21 |
| 2-Nitroaniline | < 1560 | ug/Kg | | 8/23/2018 08:21 |
| 2-Nitrophenol | < 1560 | ug/Kg | | 8/23/2018 08:21 |
| 3&4-Methylphenol | < 1560 | ug/Kg | | 8/23/2018 08:21 |
| 3,3'-Dichlorobenzidine | < 1560 | ug/Kg | | 8/23/2018 08:21 |
| 3-Nitroaniline | < 1560 | ug/Kg | | 8/23/2018 08:21 |
| 4,6-Dinitro-2-methylphenol | < 3120 | ug/Kg | | 8/23/2018 08:21 |
| 4-Bromophenyl phenyl ether | < 1560 | ug/Kg | | 8/23/2018 08:21 |
| 4-Chloro-3-methylphenol | < 1560 | ug/Kg | | 8/23/2018 08:21 |

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Report Prepared Tuesday, September 4, 2018



Lab Project ID: 183775

Client: **BE3**

Project Reference: 31 + 150 Tonawanda St

| | | | | | |
|------------------------------|--------------|-------|---|-----------------------|-----------------|
| Sample Identifier: | BH-1 (0-3) | | | | |
| Lab Sample ID: | 183775-03 | | | Date Sampled: | 8/16/2018 |
| Matrix: | Soil | | | Date Received: | 8/17/2018 |
| 4-Chloroaniline | < 1560 | ug/Kg | | | 8/23/2018 08:21 |
| 4-Chlorophenyl phenyl ether | < 1560 | ug/Kg | | | 8/23/2018 08:21 |
| 4-Nitroaniline | < 1560 | ug/Kg | | | 8/23/2018 08:21 |
| 4-Nitrophenol | < 1560 | ug/Kg | | | 8/23/2018 08:21 |
| Acenaphthene | 1230 | ug/Kg | J | | 8/23/2018 08:21 |
| Acenaphthylene | < 1560 | ug/Kg | | | 8/23/2018 08:21 |
| Acetophenone | < 1560 | ug/Kg | | | 8/23/2018 08:21 |
| Anthracene | 2250 | ug/Kg | | | 8/23/2018 08:21 |
| Atrazine | < 1560 | ug/Kg | | | 8/23/2018 08:21 |
| Benzaldehyde | < 1560 | ug/Kg | | | 8/23/2018 08:21 |
| Benzo (a) anthracene | 7170 | ug/Kg | | | 8/23/2018 08:21 |
| Benzo (a) pyrene | 6370 | ug/Kg | | | 8/23/2018 08:21 |
| Benzo (b) fluoranthene | 6760 | ug/Kg | | | 8/23/2018 08:21 |
| Benzo (g,h,i) perylene | 4250 | ug/Kg | | | 8/23/2018 08:21 |
| Benzo (k) fluoranthene | 5410 | ug/Kg | | | 8/23/2018 08:21 |
| Bis (2-chloroethoxy) methane | < 1560 | ug/Kg | | | 8/23/2018 08:21 |
| Bis (2-chloroethyl) ether | < 1560 | ug/Kg | | | 8/23/2018 08:21 |
| Bis (2-ethylhexyl) phthalate | < 1560 | ug/Kg | | | 8/23/2018 08:21 |
| Butylbenzylphthalate | < 1560 | ug/Kg | | | 8/23/2018 08:21 |
| Caprolactam | < 1560 | ug/Kg | | | 8/23/2018 08:21 |
| Carbazole | 2150 | ug/Kg | | | 8/23/2018 08:21 |
| Chrysene | 8830 | ug/Kg | | | 8/23/2018 08:21 |
| Dibenz (a,h) anthracene | 1560 | ug/Kg | J | | 8/23/2018 08:21 |
| Dibenzofuran | < 1560 | ug/Kg | | | 8/23/2018 08:21 |
| Diethyl phthalate | < 1560 | ug/Kg | | | 8/23/2018 08:21 |
| Dimethyl phthalate | < 1560 | ug/Kg | | | 8/23/2018 08:21 |
| Di-n-butyl phthalate | < 1560 | ug/Kg | | | 8/23/2018 08:21 |
| Di-n-octylphthalate | < 1560 | ug/Kg | | | 8/23/2018 08:21 |
| Fluoranthene | 18800 | ug/Kg | | | 8/23/2018 08:21 |
| Fluorene | 1060 | ug/Kg | J | | 8/23/2018 08:21 |

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Report Prepared Tuesday, September 4, 2018



Lab Project ID: 183775

Client: **BE3**

Project Reference: 31 + 150 Tonawanda St

| | | | | | |
|----------------------------|-------------------------|---------------|-----------------|---------------------------------|-------|
| Sample Identifier: | | BH-1 (0-3) | | | |
| Lab Sample ID: | | 183775-03 | | Date Sampled: 8/16/2018 | |
| Matrix: | | Soil | | Date Received: 8/17/2018 | |
| Hexachlorobenzene | < 1560 | ug/Kg | | 8/23/2018 | 08:21 |
| Hexachlorobutadiene | < 1560 | ug/Kg | | 8/23/2018 | 08:21 |
| Hexachlorocyclopentadiene | < 6250 | ug/Kg | | 8/23/2018 | 08:21 |
| Hexachloroethane | < 1560 | ug/Kg | | 8/23/2018 | 08:21 |
| Indeno (1,2,3-cd) pyrene | 4890 | ug/Kg | | 8/23/2018 | 08:21 |
| Isophorone | < 1560 | ug/Kg | | 8/23/2018 | 08:21 |
| Naphthalene | 884 | ug/Kg | J | 8/23/2018 | 08:21 |
| Nitrobenzene | < 1560 | ug/Kg | | 8/23/2018 | 08:21 |
| N-Nitroso-di-n-propylamine | < 1560 | ug/Kg | | 8/23/2018 | 08:21 |
| N-Nitrosodiphenylamine | < 1560 | ug/Kg | | 8/23/2018 | 08:21 |
| Pentachlorophenol | < 3120 | ug/Kg | | 8/23/2018 | 08:21 |
| Phenanthrene | 15100 | ug/Kg | | 8/23/2018 | 08:21 |
| Phenol | < 1560 | ug/Kg | | 8/23/2018 | 08:21 |
| Pyrene | 16000 | ug/Kg | | 8/23/2018 | 08:21 |
| Surrogate | Percent Recovery | Limits | Outliers | Date Analyzed | |
| 2,4,6-Tribromophenol | 39.4 | 35.7 - 94.4 | | 8/23/2018 | 08:21 |
| 2-Fluorobiphenyl | 48.4 | 35.7 - 85.7 | | 8/23/2018 | 08:21 |
| 2-Fluorophenol | 49.8 | 39.4 - 78.1 | | 8/23/2018 | 08:21 |
| Nitrobenzene-d5 | 49.7 | 36.1 - 74.4 | | 8/23/2018 | 08:21 |
| Phenol-d5 | 53.1 | 40.6 - 79.3 | | 8/23/2018 | 08:21 |
| Terphenyl-d14 | 46.7 | 46.6 - 99.9 | | 8/23/2018 | 08:21 |

Method Reference(s): EPA 8270D
EPA 3546
Preparation Date: 8/22/2018
Data File: B30689.D

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Report Prepared Tuesday, September 4, 2018



Lab Project ID: 183775

Client: BE3

Project Reference: 31 + 150 Tonawanda St

Sample Identifier: BH-1 (0-3)

Lab Sample ID: 183775-03

Matrix: Soil

Date Sampled: 8/16/2018

Date Received: 8/17/2018

Volatile Organics

| Analyte | Result | Units | Qualifier | Date Analyzed |
|-----------------------------|---------------|--------------|------------------|----------------------|
| 1,1,1-Trichloroethane | 7.24 | ug/Kg | | 8/27/2018 19:46 |
| 1,1,2,2-Tetrachloroethane | < 4.56 | ug/Kg | | 8/27/2018 19:46 |
| 1,1,2-Trichloroethane | < 4.56 | ug/Kg | | 8/27/2018 19:46 |
| 1,1-Dichloroethane | < 4.56 | ug/Kg | | 8/27/2018 19:46 |
| 1,1-Dichloroethene | < 4.56 | ug/Kg | | 8/27/2018 19:46 |
| 1,2,3-Trichlorobenzene | < 11.4 | ug/Kg | | 8/27/2018 19:46 |
| 1,2,4-Trichlorobenzene | < 11.4 | ug/Kg | | 8/27/2018 19:46 |
| 1,2,4-Trimethylbenzene | < 4.56 | ug/Kg | | 8/27/2018 19:46 |
| 1,2-Dibromo-3-Chloropropane | < 22.8 | ug/Kg | | 8/27/2018 19:46 |
| 1,2-Dibromoethane | < 4.56 | ug/Kg | | 8/27/2018 19:46 |
| 1,2-Dichlorobenzene | < 4.56 | ug/Kg | | 8/27/2018 19:46 |
| 1,2-Dichloroethane | < 4.56 | ug/Kg | | 8/27/2018 19:46 |
| 1,2-Dichloropropane | < 4.56 | ug/Kg | | 8/27/2018 19:46 |
| 1,3,5-Trimethylbenzene | < 4.56 | ug/Kg | | 8/27/2018 19:46 |
| 1,3-Dichlorobenzene | < 4.56 | ug/Kg | | 8/27/2018 19:46 |
| 1,4-Dichlorobenzene | < 4.56 | ug/Kg | | 8/27/2018 19:46 |
| 1,4-Dioxane | < 45.6 | ug/Kg | | 8/27/2018 19:46 |
| 2-Butanone | < 22.8 | ug/Kg | | 8/27/2018 19:46 |
| 2-Hexanone | < 11.4 | ug/Kg | | 8/27/2018 19:46 |
| 4-Methyl-2-pentanone | < 11.4 | ug/Kg | | 8/27/2018 19:46 |
| Acetone | < 22.8 | ug/Kg | | 8/27/2018 19:46 |
| Benzene | < 4.56 | ug/Kg | | 8/27/2018 19:46 |
| Bromochloromethane | < 11.4 | ug/Kg | | 8/27/2018 19:46 |
| Bromodichloromethane | < 4.56 | ug/Kg | | 8/27/2018 19:46 |
| Bromoform | < 11.4 | ug/Kg | | 8/27/2018 19:46 |
| Bromomethane | < 4.56 | ug/Kg | | 8/27/2018 19:46 |
| Carbon disulfide | < 4.56 | ug/Kg | | 8/27/2018 19:46 |

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Report Prepared Tuesday, September 4, 2018



Lab Project ID: 183775

Client: **BE3**

Project Reference: 31 + 150 Tonawanda St

Sample Identifier: BH-1 (0-3)

Lab Sample ID: 183775-03

Matrix: Soil

Date Sampled: 8/16/2018

Date Received: 8/17/2018

| | | | | |
|---------------------------|-------------|-------|---|-----------------|
| Carbon Tetrachloride | < 4.56 | ug/Kg | | 8/27/2018 19:46 |
| Chlorobenzene | < 4.56 | ug/Kg | | 8/27/2018 19:46 |
| Chloroethane | < 4.56 | ug/Kg | | 8/27/2018 19:46 |
| Chloroform | < 4.56 | ug/Kg | | 8/27/2018 19:46 |
| Chloromethane | < 4.56 | ug/Kg | | 8/27/2018 19:46 |
| cis-1,2-Dichloroethene | 4.11 | ug/Kg | J | 8/27/2018 19:46 |
| cis-1,3-Dichloropropene | < 4.56 | ug/Kg | | 8/27/2018 19:46 |
| Cyclohexane | < 22.8 | ug/Kg | | 8/27/2018 19:46 |
| Dibromochloromethane | < 4.56 | ug/Kg | | 8/27/2018 19:46 |
| Dichlorodifluoromethane | < 4.56 | ug/Kg | | 8/27/2018 19:46 |
| Ethylbenzene | < 4.56 | ug/Kg | | 8/27/2018 19:46 |
| Freon 113 | < 4.56 | ug/Kg | | 8/27/2018 19:46 |
| Isopropylbenzene | < 4.56 | ug/Kg | | 8/27/2018 19:46 |
| m,p-Xylene | < 4.56 | ug/Kg | | 8/27/2018 19:46 |
| Methyl acetate | < 4.56 | ug/Kg | | 8/27/2018 19:46 |
| Methyl tert-butyl Ether | < 4.56 | ug/Kg | | 8/27/2018 19:46 |
| Methylcyclohexane | 30.6 | ug/Kg | | 8/27/2018 19:46 |
| Methylene chloride | < 11.4 | ug/Kg | | 8/27/2018 19:46 |
| Naphthalene | < 11.4 | ug/Kg | | 8/27/2018 19:46 |
| n-Butylbenzene | < 4.56 | ug/Kg | | 8/27/2018 19:46 |
| n-Propylbenzene | < 4.56 | ug/Kg | | 8/27/2018 19:46 |
| o-Xylene | < 4.56 | ug/Kg | | 8/27/2018 19:46 |
| p-Isopropyltoluene | < 4.56 | ug/Kg | | 8/27/2018 19:46 |
| sec-Butylbenzene | < 4.56 | ug/Kg | | 8/27/2018 19:46 |
| Styrene | < 11.4 | ug/Kg | | 8/27/2018 19:46 |
| tert-Butylbenzene | < 4.56 | ug/Kg | | 8/27/2018 19:46 |
| Tetrachloroethene | < 4.56 | ug/Kg | | 8/27/2018 19:46 |
| Toluene | < 4.56 | ug/Kg | | 8/27/2018 19:46 |
| trans-1,2-Dichloroethene | < 4.56 | ug/Kg | | 8/27/2018 19:46 |
| trans-1,3-Dichloropropene | < 4.56 | ug/Kg | | 8/27/2018 19:46 |

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Report Prepared Tuesday, September 4, 2018



Lab Project ID: 183775

Client: BE3

Project Reference: 31 + 150 Tonawanda St

Sample Identifier: BH-1 (0-3)

Lab Sample ID: 183775-03

Date Sampled: 8/16/2018

Matrix: Soil

Date Received: 8/17/2018

| | | | |
|------------------------|------------|-------|-----------------|
| Trichloroethene | 206 | ug/Kg | 8/27/2018 19:46 |
| Trichlorofluoromethane | < 4.56 | ug/Kg | 8/27/2018 19:46 |
| Vinyl chloride | < 4.56 | ug/Kg | 8/27/2018 19:46 |

| <u>Surrogate</u> | <u>Percent Recovery</u> | <u>Limits</u> | <u>Outliers</u> | <u>Date Analyzed</u> |
|-----------------------|-------------------------|---------------|-----------------|----------------------|
| 1,2-Dichloroethane-d4 | 106 | 80.4 - 128 | | 8/27/2018 19:46 |
| 4-Bromofluorobenzene | 91.2 | 75.7 - 120 | | 8/27/2018 19:46 |
| Pentafluorobenzene | 89.4 | 85.3 - 111 | | 8/27/2018 19:46 |
| Toluene-D8 | 93.0 | 85 - 112 | | 8/27/2018 19:46 |

Method Reference(s): EPA 8260C
EPA 5035A - L

Data File: x53547.D

This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.

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Report Prepared Tuesday, September 4, 2018



Lab Project ID: 183775

Client: **BE3**

Project Reference: 31 + 150 Tonawanda St

Sample Identifier: BH-1 (0-3)

Lab Sample ID: 183775-03

Matrix: Soil

Date Sampled: 8/16/2018

Date Received: 8/17/2018

Total Cyanide

| <u>Analyte</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|----------------|---------------|--------------|------------------|----------------------|
| Cyanide, Total | 0.392 | mg/Kg | J | 8/30/2018 |

Method Reference(s): EPA 9014
Preparation Date: 8/28/2018

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Report Prepared Tuesday, September 4, 2018



Lab Project ID: 183775

Client: **BE3**

Project Reference: 31 + 150 Tonawanda St

Sample Identifier: BH-1 (13.5-15)

Lab Sample ID: 183775-04

Date Sampled: 8/16/2018

Matrix: Soil

Date Received: 8/17/2018

Mercury

| <u>Analyte</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|-----------------------|----------------------|---------------------|-------------------------|-----------------------------|
| Mercury | 0.458 | mg/Kg | | 8/28/2018 11:58 |

Method Reference(s): EPA 7471B
Preparation Date: 8/27/2018
Data File: Hg180828B

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Report Prepared Tuesday, September 4, 2018



Lab Project ID: 183775

Client: **BE3**

Project Reference: 31 + 150 Tonawanda St

Sample Identifier: BH-1 (13.5-15)

Lab Sample ID: 183775-04

Date Sampled: 8/16/2018

Matrix: Soil

Date Received: 8/17/2018

PCBs

| <u>Analyte</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|----------------|---------------|--------------|------------------|----------------------|
| PCB-1016 | < 0.0458 | mg/Kg | | 8/23/2018 17:00 |
| PCB-1221 | < 0.0458 | mg/Kg | | 8/23/2018 17:00 |
| PCB-1232 | < 0.0458 | mg/Kg | | 8/23/2018 17:00 |
| PCB-1242 | < 0.0458 | mg/Kg | | 8/23/2018 17:00 |
| PCB-1248 | < 0.0458 | mg/Kg | | 8/23/2018 17:00 |
| PCB-1254 | < 0.0458 | mg/Kg | | 8/23/2018 17:00 |
| PCB-1260 | < 0.0458 | mg/Kg | | 8/23/2018 17:00 |
| PCB-1262 | < 0.0458 | mg/Kg | | 8/23/2018 17:00 |
| PCB-1268 | < 0.0458 | mg/Kg | | 8/23/2018 17:00 |

| <u>Surrogate</u> | <u>Percent Recovery</u> | <u>Limits</u> | <u>Outliers</u> | <u>Date Analyzed</u> |
|----------------------|-------------------------|---------------|-----------------|----------------------|
| Decachlorobiphenyl | 23.9 | 23.4 - 108 | | 8/23/2018 17:00 |
| Tetrachloro-m-xylene | 18.2 | 10 - 84 | | 8/23/2018 17:00 |

Method Reference(s): EPA 8082A

EPA 3546

Preparation Date: 8/21/2018

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Report Prepared Tuesday, September 4, 2018



Lab Project ID: 183775

Client: **BE3**

Project Reference: 31 + 150 Tonawanda St

Sample Identifier: BH-1 (13.5-15)

Lab Sample ID: 183775-04

Matrix: Soil

Date Sampled: 8/16/2018

Date Received: 8/17/2018

Chlorinated Pesticides

| Analyte | Result | Units | Qualifier | Date Analyzed |
|---------------------|--------|-------|-----------|-----------------|
| 4,4-DDD | < 4.58 | ug/Kg | | 8/23/2018 19:59 |
| 4,4-DDE | < 4.58 | ug/Kg | | 8/23/2018 19:59 |
| 4,4-DDT | < 4.58 | ug/Kg | | 8/23/2018 19:59 |
| Aldrin | < 4.58 | ug/Kg | | 8/23/2018 19:59 |
| alpha-BHC | < 4.58 | ug/Kg | | 8/23/2018 19:59 |
| beta-BHC | < 4.58 | ug/Kg | | 8/23/2018 19:59 |
| cis-Chlordane | < 4.58 | ug/Kg | | 8/23/2018 19:59 |
| delta-BHC | < 4.58 | ug/Kg | | 8/23/2018 19:59 |
| Dieldrin | < 4.58 | ug/Kg | | 8/23/2018 19:59 |
| Endosulfan I | < 4.58 | ug/Kg | | 8/23/2018 19:59 |
| Endosulfan II | < 4.58 | ug/Kg | | 8/23/2018 19:59 |
| Endosulfan Sulfate | < 4.58 | ug/Kg | | 8/23/2018 19:59 |
| Endrin | < 4.58 | ug/Kg | | 8/23/2018 19:59 |
| Endrin Aldehyde | < 4.58 | ug/Kg | | 8/23/2018 19:59 |
| Endrin Ketone | < 4.58 | ug/Kg | | 8/23/2018 19:59 |
| gamma-BHC (Lindane) | < 4.58 | ug/Kg | | 8/23/2018 19:59 |
| Heptachlor | < 4.58 | ug/Kg | | 8/23/2018 19:59 |
| Heptachlor Epoxide | < 4.58 | ug/Kg | | 8/23/2018 19:59 |
| Methoxychlor | < 4.58 | ug/Kg | | 8/23/2018 19:59 |
| Toxaphene | < 45.8 | ug/Kg | | 8/23/2018 19:59 |
| trans-Chlordane | < 4.58 | ug/Kg | | 8/23/2018 19:59 |

| Surrogate | Percent Recovery | Limits | Outliers | Date Analyzed |
|--------------------------|------------------|------------|----------|-----------------|
| Decachlorobiphenyl (1) | 16.1 | 46.2 - 125 | * | 8/23/2018 19:59 |
| Tetrachloro-m-xylene (1) | 36.0 | 29 - 98.8 | | 8/23/2018 19:59 |

Method Reference(s): EPA 8081B

EPA 3546

Preparation Date: 8/21/2018

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Tuesday, September 4, 2018



Lab Project ID: 183775

Client: **BE3**

Project Reference: 31 + 150 Tonawanda St

Sample Identifier: BH-1 (13.5-15)

Lab Sample ID: 183775-04

Matrix: Soil

Date Sampled: 8/16/2018

Date Received: 8/17/2018

Semi-Volatile Organics (Acid/Base Neutrals)

| Analyte | Result | Units | Qualifier | Date Analyzed |
|------------------------------|--------|-------|-----------|-----------------|
| 1,1-Biphenyl | < 440 | ug/Kg | | 8/23/2018 08:50 |
| 1,2,4,5-Tetrachlorobenzene | < 440 | ug/Kg | | 8/23/2018 08:50 |
| 1,2,4-Trichlorobenzene | < 440 | ug/Kg | | 8/23/2018 08:50 |
| 1,2-Dichlorobenzene | < 440 | ug/Kg | | 8/23/2018 08:50 |
| 1,3-Dichlorobenzene | < 440 | ug/Kg | | 8/23/2018 08:50 |
| 1,4-Dichlorobenzene | < 440 | ug/Kg | | 8/23/2018 08:50 |
| 2,2-Oxybis (1-chloropropane) | < 440 | ug/Kg | | 8/23/2018 08:50 |
| 2,3,4,6-Tetrachlorophenol | < 440 | ug/Kg | | 8/23/2018 08:50 |
| 2,4,5-Trichlorophenol | < 440 | ug/Kg | | 8/23/2018 08:50 |
| 2,4,6-Trichlorophenol | < 440 | ug/Kg | | 8/23/2018 08:50 |
| 2,4-Dichlorophenol | < 440 | ug/Kg | | 8/23/2018 08:50 |
| 2,4-Dimethylphenol | < 440 | ug/Kg | | 8/23/2018 08:50 |
| 2,4-Dinitrophenol | < 1760 | ug/Kg | | 8/23/2018 08:50 |
| 2,4-Dinitrotoluene | < 440 | ug/Kg | | 8/23/2018 08:50 |
| 2,6-Dinitrotoluene | < 440 | ug/Kg | | 8/23/2018 08:50 |
| 2-Chloronaphthalene | < 440 | ug/Kg | | 8/23/2018 08:50 |
| 2-Chlorophenol | < 440 | ug/Kg | | 8/23/2018 08:50 |
| 2-Methylnapthalene | < 440 | ug/Kg | | 8/23/2018 08:50 |
| 2-Methylphenol | < 440 | ug/Kg | | 8/23/2018 08:50 |
| 2-Nitroaniline | < 440 | ug/Kg | | 8/23/2018 08:50 |
| 2-Nitrophenol | < 440 | ug/Kg | | 8/23/2018 08:50 |
| 3&4-Methylphenol | < 440 | ug/Kg | | 8/23/2018 08:50 |
| 3,3'-Dichlorobenzidine | < 440 | ug/Kg | | 8/23/2018 08:50 |
| 3-Nitroaniline | < 440 | ug/Kg | | 8/23/2018 08:50 |
| 4,6-Dinitro-2-methylphenol | < 880 | ug/Kg | | 8/23/2018 08:50 |
| 4-Bromophenyl phenyl ether | < 440 | ug/Kg | | 8/23/2018 08:50 |
| 4-Chloro-3-methylphenol | < 440 | ug/Kg | | 8/23/2018 08:50 |

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Report Prepared Tuesday, September 4, 2018



Lab Project ID: 183775

Client: **BE3**

Project Reference: 31 + 150 Tonawanda St

Sample Identifier: BH-1 (13.5-15)

Lab Sample ID: 183775-04

Date Sampled: 8/16/2018

Matrix: Soil

Date Received: 8/17/2018

| | | | | |
|------------------------------|-------------|-------|---|-----------------|
| 4-Chloroaniline | < 440 | ug/Kg | | 8/23/2018 08:50 |
| 4-Chlorophenyl phenyl ether | < 440 | ug/Kg | | 8/23/2018 08:50 |
| 4-Nitroaniline | < 440 | ug/Kg | | 8/23/2018 08:50 |
| 4-Nitrophenol | < 440 | ug/Kg | | 8/23/2018 08:50 |
| Acenaphthene | < 440 | ug/Kg | | 8/23/2018 08:50 |
| Acenaphthylene | < 440 | ug/Kg | | 8/23/2018 08:50 |
| Acetophenone | < 440 | ug/Kg | | 8/23/2018 08:50 |
| Anthracene | 731 | ug/Kg | | 8/23/2018 08:50 |
| Atrazine | < 440 | ug/Kg | | 8/23/2018 08:50 |
| Benzaldehyde | < 440 | ug/Kg | | 8/23/2018 08:50 |
| Benzo (a) anthracene | 1450 | ug/Kg | | 8/23/2018 08:50 |
| Benzo (a) pyrene | 908 | ug/Kg | | 8/23/2018 08:50 |
| Benzo (b) fluoranthene | 663 | ug/Kg | | 8/23/2018 08:50 |
| Benzo (g,h,i) perylene | 354 | ug/Kg | J | 8/23/2018 08:50 |
| Benzo (k) fluoranthene | 762 | ug/Kg | | 8/23/2018 08:50 |
| Bis (2-chloroethoxy) methane | < 440 | ug/Kg | | 8/23/2018 08:50 |
| Bis (2-chloroethyl) ether | < 440 | ug/Kg | | 8/23/2018 08:50 |
| Bis (2-ethylhexyl) phthalate | < 440 | ug/Kg | | 8/23/2018 08:50 |
| Butylbenzylphthalate | < 440 | ug/Kg | | 8/23/2018 08:50 |
| Caprolactam | < 440 | ug/Kg | | 8/23/2018 08:50 |
| Carbazole | < 440 | ug/Kg | | 8/23/2018 08:50 |
| Chrysene | 1300 | ug/Kg | | 8/23/2018 08:50 |
| Dibenz (a,h) anthracene | < 440 | ug/Kg | | 8/23/2018 08:50 |
| Dibenzofuran | < 440 | ug/Kg | | 8/23/2018 08:50 |
| Diethyl phthalate | < 440 | ug/Kg | | 8/23/2018 08:50 |
| Dimethyl phthalate | < 440 | ug/Kg | | 8/23/2018 08:50 |
| Di-n-butyl phthalate | < 440 | ug/Kg | | 8/23/2018 08:50 |
| Di-n-octylphthalate | < 440 | ug/Kg | | 8/23/2018 08:50 |
| Fluoranthene | 2290 | ug/Kg | | 8/23/2018 08:50 |
| Fluorene | 283 | ug/Kg | J | 8/23/2018 08:50 |

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Report Prepared Tuesday, September 4, 2018



Lab Project ID: 183775

Client: **BE3**

Project Reference: 31 + 150 Tonawanda St

| | | | | | |
|----------------------------|-------------------------|----------------|-----------------|-----------------------|-----------|
| Sample Identifier: | | BH-1 (13.5-15) | | | |
| Lab Sample ID: | | 183775-04 | | Date Sampled: | 8/16/2018 |
| Matrix: | | Soil | | Date Received: | 8/17/2018 |
| Hexachlorobenzene | < 440 | ug/Kg | | 8/23/2018 | 08:50 |
| Hexachlorobutadiene | < 440 | ug/Kg | | 8/23/2018 | 08:50 |
| Hexachlorocyclopentadiene | < 1760 | ug/Kg | | 8/23/2018 | 08:50 |
| Hexachloroethane | < 440 | ug/Kg | | 8/23/2018 | 08:50 |
| Indeno (1,2,3-cd) pyrene | 458 | ug/Kg | | 8/23/2018 | 08:50 |
| Isophorone | < 440 | ug/Kg | | 8/23/2018 | 08:50 |
| Naphthalene | < 440 | ug/Kg | | 8/23/2018 | 08:50 |
| Nitrobenzene | < 440 | ug/Kg | | 8/23/2018 | 08:50 |
| N-Nitroso-di-n-propylamine | < 440 | ug/Kg | | 8/23/2018 | 08:50 |
| N-Nitrosodiphenylamine | < 440 | ug/Kg | | 8/23/2018 | 08:50 |
| Pentachlorophenol | < 880 | ug/Kg | | 8/23/2018 | 08:50 |
| Phenanthrene | 1410 | ug/Kg | | 8/23/2018 | 08:50 |
| Phenol | < 440 | ug/Kg | | 8/23/2018 | 08:50 |
| Pyrene | 1960 | ug/Kg | | 8/23/2018 | 08:50 |
| Surrogate | Percent Recovery | Limits | Outliers | Date Analyzed | |
| 2,4,6-Tribromophenol | 26.8 | 35.7 - 94.4 | * | 8/23/2018 | 08:50 |
| 2-Fluorobiphenyl | 30.2 | 35.7 - 85.7 | * | 8/23/2018 | 08:50 |
| 2-Fluorophenol | 30.2 | 39.4 - 78.1 | * | 8/23/2018 | 08:50 |
| Nitrobenzene-d5 | 21.4 | 36.1 - 74.4 | * | 8/23/2018 | 08:50 |
| Phenol-d5 | 32.3 | 40.6 - 79.3 | * | 8/23/2018 | 08:50 |
| Terphenyl-d14 | 27.7 | 46.6 - 99.9 | * | 8/23/2018 | 08:50 |

Method Reference(s): EPA 8270D
EPA 3546
Preparation Date: 8/22/2018
Data File: B30690.D

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Report Prepared Tuesday, September 4, 2018



Lab Project ID: 183775

Client: BE3

Project Reference: 31 + 150 Tonawanda St

Sample Identifier: BH-1 (13.5-15)

Lab Sample ID: 183775-04

Matrix: Soil

Date Sampled: 8/16/2018

Date Received: 8/17/2018

Volatile Organics

| Analyte | Result | Units | Qualifier | Date Analyzed |
|-----------------------------|---------------|--------------|------------------|----------------------|
| 1,1,1-Trichloroethane | < 3300 | ug/Kg | | 8/30/2018 10:44 |
| 1,1,2,2-Tetrachloroethane | < 3300 | ug/Kg | | 8/30/2018 10:44 |
| 1,1,2-Trichloroethane | < 3300 | ug/Kg | | 8/30/2018 10:44 |
| 1,1-Dichloroethane | < 3300 | ug/Kg | | 8/30/2018 10:44 |
| 1,1-Dichloroethene | < 3300 | ug/Kg | | 8/30/2018 10:44 |
| 1,2,3-Trichlorobenzene | < 8240 | ug/Kg | | 8/30/2018 10:44 |
| 1,2,4-Trichlorobenzene | < 8240 | ug/Kg | | 8/30/2018 10:44 |
| 1,2,4-Trimethylbenzene | < 3300 | ug/Kg | | 8/30/2018 10:44 |
| 1,2-Dibromo-3-Chloropropane | < 16500 | ug/Kg | | 8/30/2018 10:44 |
| 1,2-Dibromoethane | < 3300 | ug/Kg | | 8/30/2018 10:44 |
| 1,2-Dichlorobenzene | < 3300 | ug/Kg | | 8/30/2018 10:44 |
| 1,2-Dichloroethane | < 3300 | ug/Kg | | 8/30/2018 10:44 |
| 1,2-Dichloropropane | < 3300 | ug/Kg | | 8/30/2018 10:44 |
| 1,3,5-Trimethylbenzene | < 3300 | ug/Kg | | 8/30/2018 10:44 |
| 1,3-Dichlorobenzene | < 3300 | ug/Kg | | 8/30/2018 10:44 |
| 1,4-Dichlorobenzene | < 3300 | ug/Kg | | 8/30/2018 10:44 |
| 1,4-Dioxane | < 33000 | ug/Kg | | 8/30/2018 10:44 |
| 2-Butanone | < 16500 | ug/Kg | | 8/30/2018 10:44 |
| 2-Hexanone | < 8240 | ug/Kg | | 8/30/2018 10:44 |
| 4-Methyl-2-pentanone | < 8240 | ug/Kg | | 8/30/2018 10:44 |
| Acetone | < 16500 | ug/Kg | | 8/30/2018 10:44 |
| Benzene | < 3300 | ug/Kg | | 8/30/2018 10:44 |
| Bromochloromethane | < 8240 | ug/Kg | | 8/30/2018 10:44 |
| Bromodichloromethane | < 3300 | ug/Kg | | 8/30/2018 10:44 |
| Bromoform | < 8240 | ug/Kg | | 8/30/2018 10:44 |
| Bromomethane | < 3300 | ug/Kg | | 8/30/2018 10:44 |
| Carbon disulfide | < 3300 | ug/Kg | | 8/30/2018 10:44 |

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Report Prepared Tuesday, September 4, 2018



Lab Project ID: 183775

Client: **BE3**

Project Reference: 31 + 150 Tonawanda St

Sample Identifier: BH-1 (13.5-15)

Lab Sample ID: 183775-04

Date Sampled: 8/16/2018

Matrix: Soil

Date Received: 8/17/2018

| | | | |
|---------------------------|---------------|-------|-------------------|
| Carbon Tetrachloride | < 3300 | ug/Kg | 8/30/2018 10:44 |
| Chlorobenzene | < 3300 | ug/Kg | 8/30/2018 10:44 |
| Chloroethane | < 3300 | ug/Kg | 8/30/2018 10:44 |
| Chloroform | < 3300 | ug/Kg | 8/30/2018 10:44 |
| Chloromethane | < 3300 | ug/Kg | 8/30/2018 10:44 |
| cis-1,2-Dichloroethene | 152000 | ug/Kg | 8/30/2018 10:44 |
| cis-1,3-Dichloropropene | < 3300 | ug/Kg | 8/30/2018 10:44 |
| Cyclohexane | < 16500 | ug/Kg | 8/30/2018 10:44 |
| Dibromochloromethane | < 3300 | ug/Kg | 8/30/2018 10:44 |
| Dichlorodifluoromethane | < 3300 | ug/Kg | 8/30/2018 10:44 |
| Ethylbenzene | < 3300 | ug/Kg | 8/30/2018 10:44 |
| Freon 113 | < 3300 | ug/Kg | 8/30/2018 10:44 |
| Isopropylbenzene | < 3300 | ug/Kg | 8/30/2018 10:44 |
| m,p-Xylene | < 3300 | ug/Kg | 8/30/2018 10:44 |
| Methyl acetate | < 3300 | ug/Kg | 8/30/2018 10:44 |
| Methyl tert-butyl Ether | < 3300 | ug/Kg | 8/30/2018 10:44 |
| Methylcyclohexane | < 3300 | ug/Kg | 8/30/2018 10:44 |
| Methylene chloride | < 8240 | ug/Kg | 8/30/2018 10:44 |
| Naphthalene | < 8240 | ug/Kg | 8/30/2018 10:44 |
| n-Butylbenzene | < 3300 | ug/Kg | 8/30/2018 10:44 |
| n-Propylbenzene | < 3300 | ug/Kg | 8/30/2018 10:44 |
| o-Xylene | < 3300 | ug/Kg | 8/30/2018 10:44 |
| p-Isopropyltoluene | < 3300 | ug/Kg | 8/30/2018 10:44 |
| sec-Butylbenzene | < 3300 | ug/Kg | 8/30/2018 10:44 |
| Styrene | < 8240 | ug/Kg | 8/30/2018 10:44 |
| tert-Butylbenzene | < 3300 | ug/Kg | 8/30/2018 10:44 |
| Tetrachloroethene | < 3300 | ug/Kg | 8/30/2018 10:44 |
| Toluene | < 3300 | ug/Kg | 8/30/2018 10:44 |
| trans-1,2-Dichloroethene | 2300 | ug/Kg | J 8/30/2018 10:44 |
| trans-1,3-Dichloropropene | < 3300 | ug/Kg | 8/30/2018 10:44 |

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Report Prepared Tuesday, September 4, 2018



Lab Project ID: 183775

Client: **BE3**

Project Reference: 31 + 150 Tonawanda St

Sample Identifier: BH-1 (13.5-15)

Lab Sample ID: 183775-04

Date Sampled: 8/16/2018

Matrix: Soil

Date Received: 8/17/2018

| | | | | |
|------------------------|--------------|-------|-----------|-------|
| Trichloroethene | < 3300 | ug/Kg | 8/30/2018 | 10:44 |
| Trichlorofluoromethane | < 3300 | ug/Kg | 8/30/2018 | 10:44 |
| Vinyl chloride | 30700 | ug/Kg | 8/30/2018 | 10:44 |

| Surrogate | Percent Recovery | Limits | Outliers | Date Analyzed |
|-----------------------|-------------------------|---------------|-----------------|----------------------|
| 1,2-Dichloroethane-d4 | 97.3 | 80.4 - 128 | | 8/30/2018 10:44 |
| 4-Bromofluorobenzene | 93.6 | 75.7 - 120 | | 8/30/2018 10:44 |
| Pentafluorobenzene | 103 | 85.3 - 111 | | 8/30/2018 10:44 |
| Toluene-D8 | 98.4 | 85 - 112 | | 8/30/2018 10:44 |

Method Reference(s): EPA 8260C
EPA 5035A - H
Data File: x53671.D

This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.

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Report Prepared Tuesday, September 4, 2018



Lab Project ID: 183775

Client: **BE3**

Project Reference: 31 + 150 Tonawanda St

Sample Identifier: BH-1 (13.5-15)

Lab Sample ID: 183775-04

Date Sampled: 8/16/2018

Matrix: Soil

Date Received: 8/17/2018

Total Cyanide

| <u>Analyte</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|----------------|---------------|--------------|------------------|----------------------|
| Cyanide, Total | < 0.721 | mg/Kg | | 8/30/2018 |

Method Reference(s): EPA 9014
Preparation Date: 8/28/2018

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Report Prepared Tuesday, September 4, 2018



Lab Project ID: 183775

Client: **BE3**

Project Reference: 31 + 150 Tonawanda St

Sample Identifier: BH-3S (12-13.5)

Lab Sample ID: 183775-05

Date Sampled: 8/16/2018

Matrix: Soil

Date Received: 8/17/2018

Mercury

| <u>Analyte</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|-----------------------|----------------------|---------------------|-------------------------|-----------------------------|
| Mercury | 0.562 | mg/Kg | | 8/28/2018 12:01 |

Method Reference(s): EPA 7471B

Preparation Date: 8/27/2018

Data File: Hg180828B

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Report Prepared Tuesday, September 4, 2018



Lab Project ID: 183775

Client: **BE3**

Project Reference: 31 + 150 Tonawanda St

Sample Identifier: BH-3S (12-13.5)

Lab Sample ID: 183775-05

Date Sampled: 8/16/2018

Matrix: Soil

Date Received: 8/17/2018

PCBs

| <u>Analyte</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|-----------------------|----------------------|---------------------|-------------------------|-----------------------------|
| PCB-1016 | < 0.0563 | mg/Kg | | 8/23/2018 17:23 |
| PCB-1221 | < 0.0563 | mg/Kg | | 8/23/2018 17:23 |
| PCB-1232 | < 0.0563 | mg/Kg | | 8/23/2018 17:23 |
| PCB-1242 | < 0.0563 | mg/Kg | | 8/23/2018 17:23 |
| PCB-1248 | < 0.0563 | mg/Kg | | 8/23/2018 17:23 |
| PCB-1254 | < 0.0563 | mg/Kg | | 8/23/2018 17:23 |
| PCB-1260 | < 0.0563 | mg/Kg | | 8/23/2018 17:23 |
| PCB-1262 | < 0.0563 | mg/Kg | | 8/23/2018 17:23 |
| PCB-1268 | < 0.0563 | mg/Kg | | 8/23/2018 17:23 |

| <u>Surrogate</u> | <u>Percent Recovery</u> | <u>Limits</u> | <u>Outliers</u> | <u>Date Analyzed</u> |
|-------------------------|--------------------------------|----------------------|------------------------|-----------------------------|
| Decachlorobiphenyl | 12.5 | 23.4 - 108 | * | 8/23/2018 17:23 |
| Tetrachloro-m-xylene | 7.90 | 10 - 84 | * | 8/23/2018 17:23 |

Method Reference(s): EPA 8082A

EPA 3546

Preparation Date: 8/21/2018

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Report Prepared Tuesday, September 4, 2018



Lab Project ID: 183775

Client: **BE3**

Project Reference: 31 + 150 Tonawanda St

Sample Identifier: BH-3S (12-13.5)

Lab Sample ID: 183775-05

Date Sampled: 8/16/2018

Matrix: Soil

Date Received: 8/17/2018

Chlorinated Pesticides

| Analyte | Result | Units | Qualifier | Date Analyzed |
|---------------------|--------|-------|-----------|-----------------|
| 4,4-DDD | < 5.63 | ug/Kg | | 8/23/2018 20:14 |
| 4,4-DDE | < 5.63 | ug/Kg | | 8/23/2018 20:14 |
| 4,4-DDT | < 5.63 | ug/Kg | | 8/23/2018 20:14 |
| Aldrin | < 5.63 | ug/Kg | | 8/23/2018 20:14 |
| alpha-BHC | < 5.63 | ug/Kg | | 8/23/2018 20:14 |
| beta-BHC | < 5.63 | ug/Kg | | 8/23/2018 20:14 |
| cis-Chlordane | < 5.63 | ug/Kg | | 8/23/2018 20:14 |
| delta-BHC | < 5.63 | ug/Kg | | 8/23/2018 20:14 |
| Dieldrin | < 5.63 | ug/Kg | | 8/23/2018 20:14 |
| Endosulfan I | < 5.63 | ug/Kg | | 8/23/2018 20:14 |
| Endosulfan II | < 5.63 | ug/Kg | | 8/23/2018 20:14 |
| Endosulfan Sulfate | < 5.63 | ug/Kg | | 8/23/2018 20:14 |
| Endrin | < 5.63 | ug/Kg | | 8/23/2018 20:14 |
| Endrin Aldehyde | < 5.63 | ug/Kg | | 8/23/2018 20:14 |
| Endrin Ketone | < 5.63 | ug/Kg | | 8/23/2018 20:14 |
| gamma-BHC (Lindane) | < 5.63 | ug/Kg | | 8/23/2018 20:14 |
| Heptachlor | < 5.63 | ug/Kg | | 8/23/2018 20:14 |
| Heptachlor Epoxide | < 5.63 | ug/Kg | | 8/23/2018 20:14 |
| Methoxychlor | 3.94 | ug/Kg | JP | 8/23/2018 20:14 |
| Toxaphene | < 5.63 | ug/Kg | | 8/23/2018 20:14 |
| trans-Chlordane | < 5.63 | ug/Kg | | 8/23/2018 20:14 |

| Surrogate | Percent Recovery | Limits | Outliers | Date Analyzed |
|--------------------------|------------------|------------|----------|-----------------|
| Decachlorobiphenyl (1) | 17.5 | 46.2 - 125 | * | 8/23/2018 20:14 |
| Tetrachloro-m-xylene (1) | 22.1 | 29 - 98.8 | * | 8/23/2018 20:14 |

Method Reference(s): EPA 8081B

EPA 3546

Preparation Date: 8/21/2018

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Report Prepared Tuesday, September 4, 2018



Lab Project ID: 183775

Client: **BE3**

Project Reference: 31 + 150 Tonawanda St

Sample Identifier: BH-3S (12-13.5)

Lab Sample ID: 183775-05

Matrix: Soil

Date Sampled: 8/16/2018

Date Received: 8/17/2018

Semi-Volatile Organics (Acid/Base Neutrals)

| Analyte | Result | Units | Qualifier | Date Analyzed |
|------------------------------|------------|-------|-----------|-----------------|
| 1,1-Biphenyl | < 528 | ug/Kg | | 8/23/2018 09:19 |
| 1,2,4,5-Tetrachlorobenzene | < 528 | ug/Kg | | 8/23/2018 09:19 |
| 1,2,4-Trichlorobenzene | < 528 | ug/Kg | | 8/23/2018 09:19 |
| 1,2-Dichlorobenzene | < 528 | ug/Kg | | 8/23/2018 09:19 |
| 1,3-Dichlorobenzene | < 528 | ug/Kg | | 8/23/2018 09:19 |
| 1,4-Dichlorobenzene | < 528 | ug/Kg | | 8/23/2018 09:19 |
| 2,2-Oxybis (1-chloropropane) | < 528 | ug/Kg | | 8/23/2018 09:19 |
| 2,3,4,6-Tetrachlorophenol | < 528 | ug/Kg | | 8/23/2018 09:19 |
| 2,4,5-Trichlorophenol | < 528 | ug/Kg | | 8/23/2018 09:19 |
| 2,4,6-Trichlorophenol | < 528 | ug/Kg | | 8/23/2018 09:19 |
| 2,4-Dichlorophenol | < 528 | ug/Kg | | 8/23/2018 09:19 |
| 2,4-Dimethylphenol | < 528 | ug/Kg | | 8/23/2018 09:19 |
| 2,4-Dinitrophenol | < 2110 | ug/Kg | | 8/23/2018 09:19 |
| 2,4-Dinitrotoluene | < 528 | ug/Kg | | 8/23/2018 09:19 |
| 2,6-Dinitrotoluene | < 528 | ug/Kg | | 8/23/2018 09:19 |
| 2-Chloronaphthalene | < 528 | ug/Kg | | 8/23/2018 09:19 |
| 2-Chlorophenol | < 528 | ug/Kg | | 8/23/2018 09:19 |
| 2-Methylnapthalene | 606 | ug/Kg | | 8/23/2018 09:19 |
| 2-Methylphenol | < 528 | ug/Kg | | 8/23/2018 09:19 |
| 2-Nitroaniline | < 528 | ug/Kg | | 8/23/2018 09:19 |
| 2-Nitrophenol | < 528 | ug/Kg | | 8/23/2018 09:19 |
| 3&4-Methylphenol | 480 | ug/Kg | J | 8/23/2018 09:19 |
| 3,3'-Dichlorobenzidine | < 528 | ug/Kg | | 8/23/2018 09:19 |
| 3-Nitroaniline | < 528 | ug/Kg | | 8/23/2018 09:19 |
| 4,6-Dinitro-2-methylphenol | < 1060 | ug/Kg | | 8/23/2018 09:19 |
| 4-Bromophenyl phenyl ether | < 528 | ug/Kg | | 8/23/2018 09:19 |
| 4-Chloro-3-methylphenol | < 528 | ug/Kg | | 8/23/2018 09:19 |

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Report Prepared Tuesday, September 4, 2018



Lab Project ID: 183775

Client: **BE3**

Project Reference: 31 + 150 Tonawanda St

| | | | | |
|------------------------------|-----------------|-------|----------------|-----------|
| Sample Identifier: | BH-3S (12-13.5) | | | |
| Lab Sample ID: | 183775-05 | | Date Sampled: | 8/16/2018 |
| Matrix: | Soil | | Date Received: | 8/17/2018 |
| 4-Chloroaniline | < 528 | ug/Kg | 8/23/2018 | 09:19 |
| 4-Chlorophenyl phenyl ether | < 528 | ug/Kg | 8/23/2018 | 09:19 |
| 4-Nitroaniline | < 528 | ug/Kg | 8/23/2018 | 09:19 |
| 4-Nitrophenol | < 528 | ug/Kg | 8/23/2018 | 09:19 |
| Acenaphthene | 1460 | ug/Kg | 8/23/2018 | 09:19 |
| Acenaphthylene | 595 | ug/Kg | 8/23/2018 | 09:19 |
| Acetophenone | < 528 | ug/Kg | 8/23/2018 | 09:19 |
| Anthracene | 1760 | ug/Kg | 8/23/2018 | 09:19 |
| Atrazine | < 528 | ug/Kg | 8/23/2018 | 09:19 |
| Benzaldehyde | < 528 | ug/Kg | 8/23/2018 | 09:19 |
| Benzo (a) anthracene | 2580 | ug/Kg | 8/23/2018 | 09:19 |
| Benzo (a) pyrene | 1680 | ug/Kg | 8/23/2018 | 09:19 |
| Benzo (b) fluoranthene | 1140 | ug/Kg | 8/23/2018 | 09:19 |
| Benzo (g,h,i) perylene | 908 | ug/Kg | 8/23/2018 | 09:19 |
| Benzo (k) fluoranthene | 1020 | ug/Kg | 8/23/2018 | 09:19 |
| Bis (2-chloroethoxy) methane | < 528 | ug/Kg | 8/23/2018 | 09:19 |
| Bis (2-chloroethyl) ether | < 528 | ug/Kg | 8/23/2018 | 09:19 |
| Bis (2-ethylhexyl) phthalate | < 528 | ug/Kg | 8/23/2018 | 09:19 |
| Butylbenzylphthalate | < 528 | ug/Kg | 8/23/2018 | 09:19 |
| Caprolactam | < 528 | ug/Kg | 8/23/2018 | 09:19 |
| Carbazole | < 528 | ug/Kg | 8/23/2018 | 09:19 |
| Chrysene | 2880 | ug/Kg | 8/23/2018 | 09:19 |
| Dibenz (a,h) anthracene | < 528 | ug/Kg | 8/23/2018 | 09:19 |
| Dibenzofuran | < 528 | ug/Kg | 8/23/2018 | 09:19 |
| Diethyl phthalate | < 528 | ug/Kg | 8/23/2018 | 09:19 |
| Dimethyl phthalate | < 528 | ug/Kg | 8/23/2018 | 09:19 |
| Di-n-butyl phthalate | < 528 | ug/Kg | 8/23/2018 | 09:19 |
| Di-n-octylphthalate | < 528 | ug/Kg | 8/23/2018 | 09:19 |
| Fluoranthene | 4360 | ug/Kg | 8/23/2018 | 09:19 |
| Fluorene | 1140 | ug/Kg | 8/23/2018 | 09:19 |

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Report Prepared Tuesday, September 4, 2018



Lab Project ID: 183775

Client: **BE3**

Project Reference: 31 + 150 Tonawanda St

Sample Identifier: BH-3S (12-13.5)

Lab Sample ID: 183775-05

Date Sampled: 8/16/2018

Matrix: Soil

Date Received: 8/17/2018

| | | | | |
|----------------------------|-------------|-------|-----------|-------|
| Hexachlorobenzene | < 528 | ug/Kg | 8/23/2018 | 09:19 |
| Hexachlorobutadiene | < 528 | ug/Kg | 8/23/2018 | 09:19 |
| Hexachlorocyclopentadiene | < 2110 | ug/Kg | 8/23/2018 | 09:19 |
| Hexachloroethane | < 528 | ug/Kg | 8/23/2018 | 09:19 |
| Indeno (1,2,3-cd) pyrene | 829 | ug/Kg | 8/23/2018 | 09:19 |
| Isophorone | < 528 | ug/Kg | 8/23/2018 | 09:19 |
| Naphthalene | 701 | ug/Kg | 8/23/2018 | 09:19 |
| Nitrobenzene | < 528 | ug/Kg | 8/23/2018 | 09:19 |
| N-Nitroso-di-n-propylamine | < 528 | ug/Kg | 8/23/2018 | 09:19 |
| N-Nitrosodiphenylamine | < 528 | ug/Kg | 8/23/2018 | 09:19 |
| Pentachlorophenol | < 1060 | ug/Kg | 8/23/2018 | 09:19 |
| Phenanthrene | 5110 | ug/Kg | 8/23/2018 | 09:19 |
| Phenol | < 528 | ug/Kg | 8/23/2018 | 09:19 |
| Pyrene | 7750 | ug/Kg | 8/23/2018 | 09:19 |

| Surrogate | Percent Recovery | Limits | Outliers | Date Analyzed |
|----------------------|------------------|-------------|----------|-----------------|
| 2,4,6-Tribromophenol | 34.7 | 35.7 - 94.4 | * | 8/23/2018 09:19 |
| 2-Fluorobiphenyl | 37.4 | 35.7 - 85.7 | | 8/23/2018 09:19 |
| 2-Fluorophenol | 36.9 | 39.4 - 78.1 | * | 8/23/2018 09:19 |
| Nitrobenzene-d5 | 32.6 | 36.1 - 74.4 | * | 8/23/2018 09:19 |
| Phenol-d5 | 38.7 | 40.6 - 79.3 | * | 8/23/2018 09:19 |
| Terphenyl-d14 | 37.1 | 46.6 - 99.9 | * | 8/23/2018 09:19 |

Method Reference(s): EPA 8270D

EPA 3546

Preparation Date: 8/22/2018

Data File: B30691.D

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Report Prepared Tuesday, September 4, 2018



Lab Project ID: 183775

Client: **BE3**

Project Reference: 31 + 150 Tonawanda St

Sample Identifier: BH-3S (12-13.5)

Lab Sample ID: 183775-05

Matrix: Soil

Date Sampled: 8/16/2018

Date Received: 8/17/2018

Volatile Organics

| Analyte | Result | Units | Qualifier | Date Analyzed |
|-----------------------------|--------|-------|-----------|-----------------|
| 1,1,1-Trichloroethane | < 7.72 | ug/Kg | | 8/28/2018 19:07 |
| 1,1,2,2-Tetrachloroethane | < 7.72 | ug/Kg | | 8/28/2018 19:07 |
| 1,1,2-Trichloroethane | < 7.72 | ug/Kg | | 8/28/2018 19:07 |
| 1,1-Dichloroethane | < 7.72 | ug/Kg | | 8/28/2018 19:07 |
| 1,1-Dichloroethene | < 7.72 | ug/Kg | | 8/28/2018 19:07 |
| 1,2,3-Trichlorobenzene | < 19.3 | ug/Kg | | 8/28/2018 19:07 |
| 1,2,4-Trichlorobenzene | < 19.3 | ug/Kg | | 8/28/2018 19:07 |
| 1,2,4-Trimethylbenzene | 7.56 | ug/Kg | J | 8/28/2018 19:07 |
| 1,2-Dibromo-3-Chloropropane | < 38.6 | ug/Kg | | 8/28/2018 19:07 |
| 1,2-Dibromoethane | < 7.72 | ug/Kg | | 8/28/2018 19:07 |
| 1,2-Dichlorobenzene | < 7.72 | ug/Kg | | 8/28/2018 19:07 |
| 1,2-Dichloroethane | < 7.72 | ug/Kg | | 8/28/2018 19:07 |
| 1,2-Dichloropropane | < 7.72 | ug/Kg | | 8/28/2018 19:07 |
| 1,3,5-Trimethylbenzene | 5.78 | ug/Kg | J | 8/28/2018 19:07 |
| 1,3-Dichlorobenzene | < 7.72 | ug/Kg | | 8/28/2018 19:07 |
| 1,4-Dichlorobenzene | < 7.72 | ug/Kg | | 8/28/2018 19:07 |
| 1,4-Dioxane | < 77.2 | ug/Kg | | 8/28/2018 19:07 |
| 2-Butanone | 40.8 | ug/Kg | | 8/28/2018 19:07 |
| 2-Hexanone | < 19.3 | ug/Kg | | 8/28/2018 19:07 |
| 4-Methyl-2-pentanone | < 19.3 | ug/Kg | | 8/28/2018 19:07 |
| Acetone | 246 | ug/Kg | | 8/28/2018 19:07 |
| Benzene | < 7.72 | ug/Kg | | 8/28/2018 19:07 |
| Bromochloromethane | < 19.3 | ug/Kg | | 8/28/2018 19:07 |
| Bromodichloromethane | < 7.72 | ug/Kg | | 8/28/2018 19:07 |
| Bromoform | < 19.3 | ug/Kg | | 8/28/2018 19:07 |
| Bromomethane | < 7.72 | ug/Kg | | 8/28/2018 19:07 |
| Carbon disulfide | 12.2 | ug/Kg | | 8/28/2018 19:07 |

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Report Prepared Tuesday, September 4, 2018



Lab Project ID: 183775

Client: **BE3**

Project Reference: 31 + 150 Tonawanda St

| | | | | |
|---------------------------|-----------------|-------|----------------|-----------------|
| Sample Identifier: | BH-3S (12-13.5) | | | |
| Lab Sample ID: | 183775-05 | | Date Sampled: | 8/16/2018 |
| Matrix: | Soil | | Date Received: | 8/17/2018 |
| Carbon Tetrachloride | < 7.72 | ug/Kg | | 8/28/2018 19:07 |
| Chlorobenzene | < 7.72 | ug/Kg | | 8/28/2018 19:07 |
| Chloroethane | < 7.72 | ug/Kg | | 8/28/2018 19:07 |
| Chloroform | < 7.72 | ug/Kg | | 8/28/2018 19:07 |
| Chloromethane | < 7.72 | ug/Kg | | 8/28/2018 19:07 |
| cis-1,2-Dichloroethene | 4.09 | ug/Kg | J | 8/28/2018 19:07 |
| cis-1,3-Dichloropropene | < 7.72 | ug/Kg | | 8/28/2018 19:07 |
| Cyclohexane | < 38.6 | ug/Kg | | 8/28/2018 19:07 |
| Dibromochloromethane | < 7.72 | ug/Kg | | 8/28/2018 19:07 |
| Dichlorodifluoromethane | < 7.72 | ug/Kg | | 8/28/2018 19:07 |
| Ethylbenzene | 4.86 | ug/Kg | J | 8/28/2018 19:07 |
| Freon 113 | < 7.72 | ug/Kg | | 8/28/2018 19:07 |
| Isopropylbenzene | < 7.72 | ug/Kg | | 8/28/2018 19:07 |
| m,p-Xylene | 17.0 | ug/Kg | | 8/28/2018 19:07 |
| Methyl acetate | < 7.72 | ug/Kg | | 8/28/2018 19:07 |
| Methyl tert-butyl Ether | < 7.72 | ug/Kg | | 8/28/2018 19:07 |
| Methylcyclohexane | 12.7 | ug/Kg | | 8/28/2018 19:07 |
| Methylene chloride | 17.7 | ug/Kg | J | 8/28/2018 19:07 |
| Naphthalene | < 19.3 | ug/Kg | | 8/28/2018 19:07 |
| n-Butylbenzene | < 7.72 | ug/Kg | | 8/28/2018 19:07 |
| n-Propylbenzene | < 7.72 | ug/Kg | | 8/28/2018 19:07 |
| o-Xylene | 7.48 | ug/Kg | J | 8/28/2018 19:07 |
| p-Isopropyltoluene | < 7.72 | ug/Kg | | 8/28/2018 19:07 |
| sec-Butylbenzene | < 7.72 | ug/Kg | | 8/28/2018 19:07 |
| Styrene | < 19.3 | ug/Kg | | 8/28/2018 19:07 |
| tert-Butylbenzene | < 7.72 | ug/Kg | | 8/28/2018 19:07 |
| Tetrachloroethene | < 7.72 | ug/Kg | | 8/28/2018 19:07 |
| Toluene | 15.3 | ug/Kg | | 8/28/2018 19:07 |
| trans-1,2-Dichloroethene | < 7.72 | ug/Kg | | 8/28/2018 19:07 |
| trans-1,3-Dichloropropene | < 7.72 | ug/Kg | | 8/28/2018 19:07 |

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Report Prepared Tuesday, September 4, 2018



Lab Project ID: 183775

Client: **BE3**

Project Reference: 31 + 150 Tonawanda St

Sample Identifier: BH-3S (12-13.5)

Lab Sample ID: 183775-05

Date Sampled: 8/16/2018

Matrix: Soil

Date Received: 8/17/2018

| | | | |
|------------------------|--------|-------|-----------------|
| Trichloroethene | < 7.72 | ug/Kg | 8/28/2018 19:07 |
| Trichlorofluoromethane | < 7.72 | ug/Kg | 8/28/2018 19:07 |
| Vinyl chloride | < 7.72 | ug/Kg | 8/28/2018 19:07 |

| Surrogate | Percent Recovery | Limits | Outliers | Date Analyzed |
|-----------------------|------------------|------------|----------|-----------------|
| 1,2-Dichloroethane-d4 | 112 | 80.4 - 128 | | 8/28/2018 19:07 |
| 4-Bromofluorobenzene | 93.0 | 75.7 - 120 | | 8/28/2018 19:07 |
| Pentafluorobenzene | 92.3 | 85.3 - 111 | | 8/28/2018 19:07 |
| Toluene-D8 | 116 | 85 - 112 | * | 8/28/2018 19:07 |

Method Reference(s): EPA 8260C
EPA 5035A - L

Data File: x53595.D

This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.

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Report Prepared Tuesday, September 4, 2018



Lab Project ID: 183775

Client: **BE3**

Project Reference: 31 + 150 Tonawanda St

Sample Identifier: BH-3S (12-13.5)

Lab Sample ID: 183775-05

Date Sampled: 8/16/2018

Matrix: Soil

Date Received: 8/17/2018

Total Cyanide

| <u>Analyte</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|----------------|---------------|--------------|------------------|----------------------|
| Cyanide, Total | < 0.867 | mg/Kg | | 8/30/2018 |

Method Reference(s): EPA 9014
Preparation Date: 8/28/2018

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Report Prepared Tuesday, September 4, 2018



Lab Project ID: 183775

Client: **BE3**

Project Reference: 31 + 150 Tonawanda St

Sample Identifier: BH-5 (4-6)

Lab Sample ID: 183775-06

Date Sampled: 8/16/2018

Matrix: Soil

Date Received: 8/17/2018

Mercury

| <u>Analyte</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|-----------------------|----------------------|---------------------|-------------------------|-----------------------------|
| Mercury | 0.212 | mg/Kg | | 8/28/2018 12:10 |

Method Reference(s): EPA 7471B
Preparation Date: 8/27/2018
Data File: Hg180828B

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Report Prepared Tuesday, September 4, 2018



Lab Project ID: 183775

Client: **BE3**

Project Reference: 31 + 150 Tonawanda St

Sample Identifier: BH-5 (4-6)

Lab Sample ID: 183775-06

Matrix: Soil

Date Sampled: 8/16/2018

Date Received: 8/17/2018

PCBs

| <u>Analyte</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|----------------|---------------|--------------|------------------|----------------------|
| PCB-1016 | < 0.0350 | mg/Kg | | 8/23/2018 17:46 |
| PCB-1221 | < 0.0350 | mg/Kg | | 8/23/2018 17:46 |
| PCB-1232 | < 0.0350 | mg/Kg | | 8/23/2018 17:46 |
| PCB-1242 | < 0.0350 | mg/Kg | | 8/23/2018 17:46 |
| PCB-1248 | < 0.0350 | mg/Kg | | 8/23/2018 17:46 |
| PCB-1254 | < 0.0350 | mg/Kg | | 8/23/2018 17:46 |
| PCB-1260 | 0.0680 | mg/Kg | | 8/23/2018 17:46 |
| PCB-1262 | < 0.0350 | mg/Kg | | 8/23/2018 17:46 |
| PCB-1268 | < 0.0350 | mg/Kg | | 8/23/2018 17:46 |

| <u>Surrogate</u> | <u>Percent Recovery</u> | <u>Limits</u> | <u>Outliers</u> | <u>Date Analyzed</u> |
|----------------------|-------------------------|---------------|-----------------|----------------------|
| Decachlorobiphenyl | 28.5 | 23.4 - 108 | | 8/23/2018 17:46 |
| Tetrachloro-m-xylene | 11.8 | 10 - 84 | | 8/23/2018 17:46 |

Method Reference(s): EPA 8082A

EPA 3546

Preparation Date: 8/21/2018

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Report Prepared Tuesday, September 4, 2018



Lab Project ID: 183775

Client: **BE3**

Project Reference: 31 + 150 Tonawanda St

Sample Identifier: BH-5 (4-6)

Lab Sample ID: 183775-06

Matrix: Soil

Date Sampled: 8/16/2018

Date Received: 8/17/2018

Chlorinated Pesticides

| Analyte | Result | Units | Qualifier | Date Analyzed |
|---------------------|--------|-------|-----------|-----------------|
| 4,4-DDD | 5.20 | ug/Kg | P | 8/23/2018 20:29 |
| 4,4-DDE | < 3.50 | ug/Kg | | 8/23/2018 20:29 |
| 4,4-DDT | 6.44 | ug/Kg | | 8/23/2018 20:29 |
| Aldrin | < 3.50 | ug/Kg | | 8/23/2018 20:29 |
| alpha-BHC | < 3.50 | ug/Kg | | 8/23/2018 20:29 |
| beta-BHC | < 3.50 | ug/Kg | | 8/23/2018 20:29 |
| cis-Chlordane | 1.88 | ug/Kg | J | 8/23/2018 20:29 |
| delta-BHC | < 3.50 | ug/Kg | | 8/23/2018 20:29 |
| Dieldrin | 2.22 | ug/Kg | JP | 8/23/2018 20:29 |
| Endosulfan I | < 3.50 | ug/Kg | | 8/23/2018 20:29 |
| Endosulfan II | 3.52 | ug/Kg | | 8/23/2018 20:29 |
| Endosulfan Sulfate | 5.20 | ug/Kg | P | 8/23/2018 20:29 |
| Endrin | < 3.50 | ug/Kg | | 8/23/2018 20:29 |
| Endrin Aldehyde | 2.48 | ug/Kg | J | 8/23/2018 20:29 |
| Endrin Ketone | < 3.50 | ug/Kg | | 8/23/2018 20:29 |
| gamma-BHC (Lindane) | < 3.50 | ug/Kg | | 8/23/2018 20:29 |
| Heptachlor | < 3.50 | ug/Kg | | 8/23/2018 20:29 |
| Heptachlor Epoxide | < 3.50 | ug/Kg | | 8/23/2018 20:29 |
| Methoxychlor | < 3.50 | ug/Kg | | 8/23/2018 20:29 |
| Toxaphene | < 35.0 | ug/Kg | | 8/23/2018 20:29 |
| trans-Chlordane | < 3.50 | ug/Kg | | 8/23/2018 20:29 |

| Surrogate | Percent Recovery | Limits | Outliers | Date Analyzed |
|--------------------------|------------------|------------|----------|-----------------|
| Decachlorobiphenyl (1) | 15.1 | 46.2 - 125 | * | 8/23/2018 20:29 |
| Tetrachloro-m-xylene (1) | 40.0 | 29 - 98.8 | | 8/23/2018 20:29 |

Method Reference(s): EPA 8081B

EPA 3546

Preparation Date: 8/21/2018

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Report Prepared Tuesday, September 4, 2018



Lab Project ID: 183775

Client: **BE3**

Project Reference: 31 + 150 Tonawanda St

Sample Identifier: BH-5 (4-6)

Lab Sample ID: 183775-06

Matrix: Soil

Date Sampled: 8/16/2018

Date Received: 8/17/2018

Semi-Volatile Organics (Acid/Base Neutrals)

| Analyte | Result | Units | Qualifier | Date Analyzed |
|------------------------------|--------|-------|-----------|-----------------|
| 1,1-Biphenyl | 498 | ug/Kg | | 8/23/2018 09:49 |
| 1,2,4,5-Tetrachlorobenzene | < 346 | ug/Kg | | 8/23/2018 09:49 |
| 1,2,4-Trichlorobenzene | < 346 | ug/Kg | | 8/23/2018 09:49 |
| 1,2-Dichlorobenzene | < 346 | ug/Kg | | 8/23/2018 09:49 |
| 1,3-Dichlorobenzene | < 346 | ug/Kg | | 8/23/2018 09:49 |
| 1,4-Dichlorobenzene | < 346 | ug/Kg | | 8/23/2018 09:49 |
| 2,2-Oxybis (1-chloropropane) | < 346 | ug/Kg | | 8/23/2018 09:49 |
| 2,3,4,6-Tetrachlorophenol | < 346 | ug/Kg | | 8/23/2018 09:49 |
| 2,4,5-Trichlorophenol | < 346 | ug/Kg | | 8/23/2018 09:49 |
| 2,4,6-Trichlorophenol | < 346 | ug/Kg | | 8/23/2018 09:49 |
| 2,4-Dichlorophenol | < 346 | ug/Kg | | 8/23/2018 09:49 |
| 2,4-Dimethylphenol | < 346 | ug/Kg | | 8/23/2018 09:49 |
| 2,4-Dinitrophenol | < 1380 | ug/Kg | | 8/23/2018 09:49 |
| 2,4-Dinitrotoluene | < 346 | ug/Kg | | 8/23/2018 09:49 |
| 2,6-Dinitrotoluene | < 346 | ug/Kg | | 8/23/2018 09:49 |
| 2-Chloronaphthalene | < 346 | ug/Kg | | 8/23/2018 09:49 |
| 2-Chlorophenol | < 346 | ug/Kg | | 8/23/2018 09:49 |
| 2-Methylnapthalene | 5530 | ug/Kg | | 8/23/2018 09:49 |
| 2-Methylphenol | < 346 | ug/Kg | | 8/23/2018 09:49 |
| 2-Nitroaniline | < 346 | ug/Kg | | 8/23/2018 09:49 |
| 2-Nitrophenol | < 346 | ug/Kg | | 8/23/2018 09:49 |
| 3&4-Methylphenol | < 346 | ug/Kg | | 8/23/2018 09:49 |
| 3,3'-Dichlorobenzidine | < 346 | ug/Kg | | 8/23/2018 09:49 |
| 3-Nitroaniline | < 346 | ug/Kg | | 8/23/2018 09:49 |
| 4,6-Dinitro-2-methylphenol | < 692 | ug/Kg | | 8/23/2018 09:49 |
| 4-Bromophenyl phenyl ether | < 346 | ug/Kg | | 8/23/2018 09:49 |
| 4-Chloro-3-methylphenol | < 346 | ug/Kg | | 8/23/2018 09:49 |

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Report Prepared Tuesday, September 4, 2018



Lab Project ID: 183775

Client: **BE3**

Project Reference: 31 + 150 Tonawanda St

| | | | | |
|------------------------------|------------|-------|----------------|-----------------|
| Sample Identifier: | BH-5 (4-6) | | | |
| Lab Sample ID: | 183775-06 | | Date Sampled: | 8/16/2018 |
| Matrix: | Soil | | Date Received: | 8/17/2018 |
| 4-Chloroaniline | < 346 | ug/Kg | | 8/23/2018 09:49 |
| 4-Chlorophenyl phenyl ether | < 346 | ug/Kg | | 8/23/2018 09:49 |
| 4-Nitroaniline | < 346 | ug/Kg | | 8/23/2018 09:49 |
| 4-Nitrophenol | < 346 | ug/Kg | | 8/23/2018 09:49 |
| Acenaphthene | < 346 | ug/Kg | | 8/23/2018 09:49 |
| Acenaphthylene | < 346 | ug/Kg | | 8/23/2018 09:49 |
| Acetophenone | < 346 | ug/Kg | | 8/23/2018 09:49 |
| Anthracene | 229 | ug/Kg | J | 8/23/2018 09:49 |
| Atrazine | < 346 | ug/Kg | | 8/23/2018 09:49 |
| Benzaldehyde | < 346 | ug/Kg | | 8/23/2018 09:49 |
| Benzo (a) anthracene | 756 | ug/Kg | | 8/23/2018 09:49 |
| Benzo (a) pyrene | 699 | ug/Kg | | 8/23/2018 09:49 |
| Benzo (b) fluoranthene | 656 | ug/Kg | | 8/23/2018 09:49 |
| Benzo (g,h,i) perylene | 536 | ug/Kg | | 8/23/2018 09:49 |
| Benzo (k) fluoranthene | 482 | ug/Kg | | 8/23/2018 09:49 |
| Bis (2-chloroethoxy) methane | < 346 | ug/Kg | | 8/23/2018 09:49 |
| Bis (2-chloroethyl) ether | < 346 | ug/Kg | | 8/23/2018 09:49 |
| Bis (2-ethylhexyl) phthalate | < 346 | ug/Kg | | 8/23/2018 09:49 |
| Butylbenzylphthalate | < 346 | ug/Kg | | 8/23/2018 09:49 |
| Caprolactam | < 346 | ug/Kg | | 8/23/2018 09:49 |
| Carbazole | < 346 | ug/Kg | | 8/23/2018 09:49 |
| Chrysene | 841 | ug/Kg | | 8/23/2018 09:49 |
| Dibenz (a,h) anthracene | < 346 | ug/Kg | | 8/23/2018 09:49 |
| Dibenzofuran | 237 | ug/Kg | J | 8/23/2018 09:49 |
| Diethyl phthalate | < 346 | ug/Kg | | 8/23/2018 09:49 |
| Dimethyl phthalate | < 346 | ug/Kg | | 8/23/2018 09:49 |
| Di-n-butyl phthalate | < 346 | ug/Kg | | 8/23/2018 09:49 |
| Di-n-octylphthalate | < 346 | ug/Kg | | 8/23/2018 09:49 |
| Fluoranthene | 1450 | ug/Kg | | 8/23/2018 09:49 |
| Fluorene | 350 | ug/Kg | | 8/23/2018 09:49 |

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Report Prepared Tuesday, September 4, 2018



Lab Project ID: 183775

Client: **BE3**

Project Reference: 31 + 150 Tonawanda St

Sample Identifier: BH-5 (4-6)

Lab Sample ID: 183775-06

Date Sampled: 8/16/2018

Matrix: Soil

Date Received: 8/17/2018

| | | | |
|----------------------------|-------------|-------|-----------------|
| Hexachlorobenzene | < 346 | ug/Kg | 8/23/2018 09:49 |
| Hexachlorobutadiene | < 346 | ug/Kg | 8/23/2018 09:49 |
| Hexachlorocyclopentadiene | < 1380 | ug/Kg | 8/23/2018 09:49 |
| Hexachloroethane | < 346 | ug/Kg | 8/23/2018 09:49 |
| Indeno (1,2,3-cd) pyrene | 507 | ug/Kg | 8/23/2018 09:49 |
| Isophorone | < 346 | ug/Kg | 8/23/2018 09:49 |
| Naphthalene | 2810 | ug/Kg | 8/23/2018 09:49 |
| Nitrobenzene | < 346 | ug/Kg | 8/23/2018 09:49 |
| N-Nitroso-di-n-propylamine | < 346 | ug/Kg | 8/23/2018 09:49 |
| N-Nitrosodiphenylamine | < 346 | ug/Kg | 8/23/2018 09:49 |
| Pentachlorophenol | < 692 | ug/Kg | 8/23/2018 09:49 |
| Phenanthrene | 1400 | ug/Kg | 8/23/2018 09:49 |
| Phenol | < 346 | ug/Kg | 8/23/2018 09:49 |
| Pyrene | 1290 | ug/Kg | 8/23/2018 09:49 |

| Surrogate | Percent Recovery | Limits | Outliers | Date Analyzed |
|----------------------|-------------------------|---------------|-----------------|----------------------|
| 2,4,6-Tribromophenol | 34.7 | 35.7 - 94.4 | * | 8/23/2018 09:49 |
| 2-Fluorobiphenyl | 33.7 | 35.7 - 85.7 | * | 8/23/2018 09:49 |
| 2-Fluorophenol | 33.1 | 39.4 - 78.1 | * | 8/23/2018 09:49 |
| Nitrobenzene-d5 | 38.9 | 36.1 - 74.4 | | 8/23/2018 09:49 |
| Phenol-d5 | 35.2 | 40.6 - 79.3 | * | 8/23/2018 09:49 |
| Terphenyl-d14 | 34.5 | 46.6 - 99.9 | * | 8/23/2018 09:49 |

Method Reference(s): EPA 8270D

EPA 3546

Preparation Date: 8/22/2018

Data File: B30692.D

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Report Prepared Tuesday, September 4, 2018



Lab Project ID: 183775

Client: **BE3**

Project Reference: 31 + 150 Tonawanda St

Sample Identifier: BH-5 (4-6)

Lab Sample ID: 183775-06

Matrix: Soil

Date Sampled: 8/16/2018

Date Received: 8/17/2018

Volatile Organics

| Analyte | Result | Units | Qualifier | Date Analyzed |
|-----------------------------|--------------|-------|-----------|-----------------|
| 1,1,1-Trichloroethane | < 5880 | ug/Kg | | 8/29/2018 20:25 |
| 1,1,2,2-Tetrachloroethane | < 5880 | ug/Kg | | 8/29/2018 20:25 |
| 1,1,2-Trichloroethane | < 5880 | ug/Kg | | 8/29/2018 20:25 |
| 1,1-Dichloroethane | < 5880 | ug/Kg | | 8/29/2018 20:25 |
| 1,1-Dichloroethene | < 5880 | ug/Kg | | 8/29/2018 20:25 |
| 1,2,3-Trichlorobenzene | < 14700 | ug/Kg | | 8/29/2018 20:25 |
| 1,2,4-Trichlorobenzene | < 14700 | ug/Kg | | 8/29/2018 20:25 |
| 1,2,4-Trimethylbenzene | 91400 | ug/Kg | | 8/29/2018 20:25 |
| 1,2-Dibromo-3-Chloropropane | < 29400 | ug/Kg | | 8/29/2018 20:25 |
| 1,2-Dibromoethane | < 5880 | ug/Kg | | 8/29/2018 20:25 |
| 1,2-Dichlorobenzene | < 5880 | ug/Kg | | 8/29/2018 20:25 |
| 1,2-Dichloroethane | < 5880 | ug/Kg | | 8/29/2018 20:25 |
| 1,2-Dichloropropane | < 5880 | ug/Kg | | 8/29/2018 20:25 |
| 1,3,5-Trimethylbenzene | 44300 | ug/Kg | | 8/29/2018 20:25 |
| 1,3-Dichlorobenzene | < 5880 | ug/Kg | | 8/29/2018 20:25 |
| 1,4-Dichlorobenzene | < 5880 | ug/Kg | | 8/29/2018 20:25 |
| 1,4-Dioxane | < 58800 | ug/Kg | | 8/29/2018 20:25 |
| 2-Butanone | < 29400 | ug/Kg | | 8/29/2018 20:25 |
| 2-Hexanone | < 14700 | ug/Kg | | 8/29/2018 20:25 |
| 4-Methyl-2-pentanone | < 14700 | ug/Kg | | 8/29/2018 20:25 |
| Acetone | < 29400 | ug/Kg | | 8/29/2018 20:25 |
| Benzene | < 5880 | ug/Kg | | 8/29/2018 20:25 |
| Bromochloromethane | < 14700 | ug/Kg | | 8/29/2018 20:25 |
| Bromodichloromethane | < 5880 | ug/Kg | | 8/29/2018 20:25 |
| Bromoform | < 14700 | ug/Kg | | 8/29/2018 20:25 |
| Bromomethane | < 5880 | ug/Kg | | 8/29/2018 20:25 |
| Carbon disulfide | < 5880 | ug/Kg | | 8/29/2018 20:25 |

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Report Prepared Tuesday, September 4, 2018



Lab Project ID: 183775

Client: **BE3**

Project Reference: 31 + 150 Tonawanda St

Sample Identifier: BH-5 (4-6)

Lab Sample ID: 183775-06

Date Sampled: 8/16/2018

Matrix: Soil

Date Received: 8/17/2018

| | | | |
|---------------------------|---------------|-------|-----------------|
| Carbon Tetrachloride | < 5880 | ug/Kg | 8/29/2018 20:25 |
| Chlorobenzene | < 5880 | ug/Kg | 8/29/2018 20:25 |
| Chloroethane | < 5880 | ug/Kg | 8/29/2018 20:25 |
| Chloroform | < 5880 | ug/Kg | 8/29/2018 20:25 |
| Chloromethane | < 5880 | ug/Kg | 8/29/2018 20:25 |
| cis-1,2-Dichloroethene | < 5880 | ug/Kg | 8/29/2018 20:25 |
| cis-1,3-Dichloropropene | < 5880 | ug/Kg | 8/29/2018 20:25 |
| Cyclohexane | < 29400 | ug/Kg | 8/29/2018 20:25 |
| Dibromochloromethane | < 5880 | ug/Kg | 8/29/2018 20:25 |
| Dichlorodifluoromethane | < 5880 | ug/Kg | 8/29/2018 20:25 |
| Ethylbenzene | 168000 | ug/Kg | 8/29/2018 20:25 |
| Freon 113 | < 5880 | ug/Kg | 8/29/2018 20:25 |
| Isopropylbenzene | 16000 | ug/Kg | 8/29/2018 20:25 |
| m,p-Xylene | 595000 | ug/Kg | 8/29/2018 20:25 |
| Methyl acetate | < 5880 | ug/Kg | 8/29/2018 20:25 |
| Methyl tert-butyl Ether | < 5880 | ug/Kg | 8/29/2018 20:25 |
| Methylcyclohexane | 11000 | ug/Kg | 8/29/2018 20:25 |
| Methylene chloride | < 14700 | ug/Kg | 8/29/2018 20:25 |
| Naphthalene | 46000 | ug/Kg | 8/29/2018 20:25 |
| n-Butylbenzene | 19700 | ug/Kg | 8/29/2018 20:25 |
| n-Propylbenzene | 11500 | ug/Kg | 8/29/2018 20:25 |
| o-Xylene | 200000 | ug/Kg | 8/29/2018 20:25 |
| p-Isopropyltoluene | 10500 | ug/Kg | 8/29/2018 20:25 |
| sec-Butylbenzene | 8500 | ug/Kg | 8/29/2018 20:25 |
| Styrene | < 14700 | ug/Kg | 8/29/2018 20:25 |
| tert-Butylbenzene | < 5880 | ug/Kg | 8/29/2018 20:25 |
| Tetrachloroethene | < 5880 | ug/Kg | 8/29/2018 20:25 |
| Toluene | 8060 | ug/Kg | 8/29/2018 20:25 |
| trans-1,2-Dichloroethene | < 5880 | ug/Kg | 8/29/2018 20:25 |
| trans-1,3-Dichloropropene | < 5880 | ug/Kg | 8/29/2018 20:25 |

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Report Prepared Tuesday, September 4, 2018



Lab Project ID: 183775

Client: **BE3**

Project Reference: 31 + 150 Tonawanda St

Sample Identifier: BH-5 (4-6)

Lab Sample ID: 183775-06

Date Sampled: 8/16/2018

Matrix: Soil

Date Received: 8/17/2018

| | | | | |
|------------------------|--------|-------|-----------|-------|
| Trichloroethene | < 5880 | ug/Kg | 8/29/2018 | 20:25 |
| Trichlorofluoromethane | < 5880 | ug/Kg | 8/29/2018 | 20:25 |
| Vinyl chloride | < 5880 | ug/Kg | 8/29/2018 | 20:25 |

| Surrogate | Percent Recovery | Limits | Outliers | Date Analyzed |
|-----------------------|-------------------------|---------------|-----------------|----------------------|
| 1,2-Dichloroethane-d4 | 98.8 | 80.4 - 128 | | 8/29/2018 20:25 |
| 4-Bromofluorobenzene | 107 | 75.7 - 120 | | 8/29/2018 20:25 |
| Pentafluorobenzene | 100 | 85.3 - 111 | | 8/29/2018 20:25 |
| Toluene-D8 | 104 | 85 - 112 | | 8/29/2018 20:25 |

Method Reference(s): EPA 8260C
EPA 5035A -- H
Data File: x53638.D

This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.

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Report Prepared Tuesday, September 4, 2018



Lab Project ID: 183775

Client: **BE3**

Project Reference: 31 + 150 Tonawanda St

Sample Identifier: BH-5 (4-6)

Lab Sample ID: 183775-06

Matrix: Soil

Date Sampled: 8/16/2018

Date Received: 8/17/2018

Total Cyanide

| <u>Analyte</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|----------------|---------------|--------------|------------------|----------------------|
| Cyanide, Total | 0.514 | mg/Kg | J | 8/30/2018 |

Method Reference(s): EPA 9014
Preparation Date: 8/28/2018

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Report Prepared Tuesday, September 4, 2018



Lab Project ID: 183775

Client: **BE3**

Project Reference: 31 + 150 Tonawanda St

Sample Identifier: BH-4 (11.5-12)

Lab Sample ID: 183775-07

Date Sampled: 8/16/2018

Matrix: Soil

Date Received: 8/17/2018

Mercury

| <u>Analyte</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|---------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|
| Mercury | 0.383 | mg/Kg | | 8/28/2018 12:12 |
| Method Reference(s): EPA 7471B | | | | |
| Preparation Date: 8/27/2018 | | | | |
| Data File: Hg180828B | | | | |

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Report Prepared Tuesday, September 4, 2018



Lab Project ID: 183775

Client: **BE3**

Project Reference: 31 + 150 Tonawanda St

Sample Identifier: BH-4 (11.5-12)

Lab Sample ID: 183775-07

Matrix: Soil

Date Sampled: 8/16/2018

Date Received: 8/17/2018

PCBs

| <u>Analyte</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|----------------|---------------|--------------|------------------|----------------------|
| PCB-1016 | < 0.0473 | mg/Kg | M | 8/23/2018 18:09 |
| PCB-1221 | < 0.0473 | mg/Kg | | 8/23/2018 18:09 |
| PCB-1232 | < 0.0473 | mg/Kg | | 8/23/2018 18:09 |
| PCB-1242 | < 0.0473 | mg/Kg | | 8/23/2018 18:09 |
| PCB-1248 | < 0.0473 | mg/Kg | | 8/23/2018 18:09 |
| PCB-1254 | < 0.0473 | mg/Kg | | 8/23/2018 18:09 |
| PCB-1260 | < 0.0473 | mg/Kg | M | 8/23/2018 18:09 |
| PCB-1262 | < 0.0473 | mg/Kg | | 8/23/2018 18:09 |
| PCB-1268 | < 0.0473 | mg/Kg | | 8/23/2018 18:09 |

| <u>Surrogate</u> | <u>Percent Recovery</u> | <u>Limits</u> | <u>Outliers</u> | <u>Date Analyzed</u> |
|----------------------|-------------------------|---------------|-----------------|----------------------|
| Decachlorobiphenyl | 18.6 | 23.4 - 108 | * | 8/23/2018 18:09 |
| Tetrachloro-m-xylene | 12.9 | 10 - 84 | | 8/23/2018 18:09 |

Method Reference(s): EPA 8082A

EPA 3546

Preparation Date: 8/21/2018

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Report Prepared Tuesday, September 4, 2018



Lab Project ID: 183775

Client: **BE3**

Project Reference: 31 + 150 Tonawanda St

Sample Identifier: BH-4 (11.5-12)

Lab Sample ID: 183775-07

Matrix: Soil

Date Sampled: 8/16/2018

Date Received: 8/17/2018

Chlorinated Pesticides

| Analyte | Result | Units | Qualifier | Date Analyzed |
|---------------------|-------------|-------|-----------|-----------------|
| 4,4-DDD | < 4.73 | ug/Kg | | 8/23/2018 20:45 |
| 4,4-DDE | < 4.73 | ug/Kg | | 8/23/2018 20:45 |
| 4,4-DDT | < 4.73 | ug/Kg | | 8/23/2018 20:45 |
| Aldrin | < 4.73 | ug/Kg | | 8/23/2018 20:45 |
| alpha-BHC | < 4.73 | ug/Kg | | 8/23/2018 20:45 |
| beta-BHC | < 4.73 | ug/Kg | | 8/23/2018 20:45 |
| cis-Chlordane | 3.52 | ug/Kg | J | 8/23/2018 20:45 |
| delta-BHC | < 4.73 | ug/Kg | | 8/23/2018 20:45 |
| Dieldrin | < 4.73 | ug/Kg | | 8/23/2018 20:45 |
| Endosulfan I | < 4.73 | ug/Kg | | 8/23/2018 20:45 |
| Endosulfan II | < 4.73 | ug/Kg | | 8/23/2018 20:45 |
| Endosulfan Sulfate | < 4.73 | ug/Kg | | 8/23/2018 20:45 |
| Endrin | < 4.73 | ug/Kg | | 8/23/2018 20:45 |
| Endrin Aldehyde | < 4.73 | ug/Kg | | 8/23/2018 20:45 |
| Endrin Ketone | < 4.73 | ug/Kg | | 8/23/2018 20:45 |
| gamma-BHC (Lindane) | < 4.73 | ug/Kg | | 8/23/2018 20:45 |
| Heptachlor | < 4.73 | ug/Kg | | 8/23/2018 20:45 |
| Heptachlor Epoxide | < 4.73 | ug/Kg | | 8/23/2018 20:45 |
| Methoxychlor | < 4.73 | ug/Kg | | 8/23/2018 20:45 |
| Toxaphene | < 47.3 | ug/Kg | | 8/23/2018 20:45 |
| trans-Chlordane | < 4.73 | ug/Kg | | 8/23/2018 20:45 |

| Surrogate | Percent Recovery | Limits | Outliers | Date Analyzed |
|--------------------------|------------------|------------|----------|-----------------|
| Decachlorobiphenyl (1) | 17.6 | 46.2 - 125 | * | 8/23/2018 20:45 |
| Tetrachloro-m-xylene (1) | 37.7 | 29 - 98.8 | | 8/23/2018 20:45 |

Method Reference(s): EPA 8081B

EPA 3546

Preparation Date: 8/21/2018

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Report Prepared Tuesday, September 4, 2018



Lab Project ID: 183775

Client: **BE3**

Project Reference: 31 + 150 Tonawanda St

Sample Identifier: BH-4 (11.5-12)

Lab Sample ID: 183775-07

Matrix: Soil

Date Sampled: 8/16/2018

Date Received: 8/17/2018

Semi-Volatile Organics (Acid/Base Neutrals)

| Analyte | Result | Units | Qualifier | Date Analyzed |
|------------------------------|--------|-------|-----------|-----------------|
| 1,1-Biphenyl | < 455 | ug/Kg | | 8/23/2018 10:18 |
| 1,2,4,5-Tetrachlorobenzene | < 455 | ug/Kg | | 8/23/2018 10:18 |
| 1,2,4-Trichlorobenzene | < 455 | ug/Kg | | 8/23/2018 10:18 |
| 1,2-Dichlorobenzene | < 455 | ug/Kg | | 8/23/2018 10:18 |
| 1,3-Dichlorobenzene | < 455 | ug/Kg | | 8/23/2018 10:18 |
| 1,4-Dichlorobenzene | < 455 | ug/Kg | | 8/23/2018 10:18 |
| 2,2-Oxybis (1-chloropropane) | < 455 | ug/Kg | | 8/23/2018 10:18 |
| 2,3,4,6-Tetrachlorophenol | < 455 | ug/Kg | | 8/23/2018 10:18 |
| 2,4,5-Trichlorophenol | < 455 | ug/Kg | | 8/23/2018 10:18 |
| 2,4,6-Trichlorophenol | < 455 | ug/Kg | | 8/23/2018 10:18 |
| 2,4-Dichlorophenol | < 455 | ug/Kg | | 8/23/2018 10:18 |
| 2,4-Dimethylphenol | < 455 | ug/Kg | | 8/23/2018 10:18 |
| 2,4-Dinitrophenol | < 1820 | ug/Kg | | 8/23/2018 10:18 |
| 2,4-Dinitrotoluene | < 455 | ug/Kg | | 8/23/2018 10:18 |
| 2,6-Dinitrotoluene | < 455 | ug/Kg | | 8/23/2018 10:18 |
| 2-Chloronaphthalene | < 455 | ug/Kg | | 8/23/2018 10:18 |
| 2-Chlorophenol | < 455 | ug/Kg | | 8/23/2018 10:18 |
| 2-Methylnapthalene | < 455 | ug/Kg | | 8/23/2018 10:18 |
| 2-Methylphenol | < 455 | ug/Kg | | 8/23/2018 10:18 |
| 2-Nitroaniline | < 455 | ug/Kg | | 8/23/2018 10:18 |
| 2-Nitrophenol | < 455 | ug/Kg | | 8/23/2018 10:18 |
| 3&4-Methylphenol | < 455 | ug/Kg | | 8/23/2018 10:18 |
| 3,3'-Dichlorobenzidine | < 455 | ug/Kg | | 8/23/2018 10:18 |
| 3-Nitroaniline | < 455 | ug/Kg | | 8/23/2018 10:18 |
| 4,6-Dinitro-2-methylphenol | < 909 | ug/Kg | | 8/23/2018 10:18 |
| 4-Bromophenyl phenyl ether | < 455 | ug/Kg | | 8/23/2018 10:18 |
| 4-Chloro-3-methylphenol | < 455 | ug/Kg | | 8/23/2018 10:18 |

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Report Prepared Tuesday, September 4, 2018



Lab Project ID: 183775

Client: **BE3**

Project Reference: 31 + 150 Tonawanda St

Sample Identifier: BH-4 (11.5-12)

Lab Sample ID: 183775-07

Date Sampled: 8/16/2018

Matrix: Soil

Date Received: 8/17/2018

| | | | |
|------------------------------|-------|-------|-------------------|
| 4-Chloroaniline | < 455 | ug/Kg | 8/23/2018 10:18 |
| 4-Chlorophenyl phenyl ether | < 455 | ug/Kg | 8/23/2018 10:18 |
| 4-Nitroaniline | < 455 | ug/Kg | 8/23/2018 10:18 |
| 4-Nitrophenol | < 455 | ug/Kg | 8/23/2018 10:18 |
| Acenaphthene | < 455 | ug/Kg | 8/23/2018 10:18 |
| Acenaphthylene | < 455 | ug/Kg | 8/23/2018 10:18 |
| Acetophenone | < 455 | ug/Kg | 8/23/2018 10:18 |
| Anthracene | < 455 | ug/Kg | 8/23/2018 10:18 |
| Atrazine | < 455 | ug/Kg | 8/23/2018 10:18 |
| Benzaldehyde | < 455 | ug/Kg | 8/23/2018 10:18 |
| Benzo (a) anthracene | < 455 | ug/Kg | 8/23/2018 10:18 |
| Benzo (a) pyrene | < 455 | ug/Kg | 8/23/2018 10:18 |
| Benzo (b) fluoranthene | < 455 | ug/Kg | 8/23/2018 10:18 |
| Benzo (g,h,i) perylene | < 455 | ug/Kg | 8/23/2018 10:18 |
| Benzo (k) fluoranthene | < 455 | ug/Kg | 8/23/2018 10:18 |
| Bis (2-chloroethoxy) methane | < 455 | ug/Kg | 8/23/2018 10:18 |
| Bis (2-chloroethyl) ether | < 455 | ug/Kg | 8/23/2018 10:18 |
| Bis (2-ethylhexyl) phthalate | < 455 | ug/Kg | 8/23/2018 10:18 |
| Butylbenzylphthalate | < 455 | ug/Kg | 8/23/2018 10:18 |
| Caprolactam | < 455 | ug/Kg | 8/23/2018 10:18 |
| Carbazole | < 455 | ug/Kg | 8/23/2018 10:18 |
| Chrysene | 272 | ug/Kg | J 8/23/2018 10:18 |
| Dibenz (a,h) anthracene | < 455 | ug/Kg | 8/23/2018 10:18 |
| Dibenzofuran | < 455 | ug/Kg | 8/23/2018 10:18 |
| Diethyl phthalate | < 455 | ug/Kg | 8/23/2018 10:18 |
| Dimethyl phthalate | < 455 | ug/Kg | 8/23/2018 10:18 |
| Di-n-butyl phthalate | < 455 | ug/Kg | 8/23/2018 10:18 |
| Di-n-octylphthalate | < 455 | ug/Kg | 8/23/2018 10:18 |
| Fluoranthene | 478 | ug/Kg | 8/23/2018 10:18 |
| Fluorene | < 455 | ug/Kg | 8/23/2018 10:18 |

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Report Prepared Tuesday, September 4, 2018



Lab Project ID: 183775

Client: **BE3**

Project Reference: 31 + 150 Tonawanda St

Sample Identifier: BH-4 (11.5-12)

Lab Sample ID: 183775-07

Date Sampled: 8/16/2018

Matrix: Soil

Date Received: 8/17/2018

| | | | | |
|----------------------------|------------|-------|---|-----------------|
| Hexachlorobenzene | < 455 | ug/Kg | | 8/23/2018 10:18 |
| Hexachlorobutadiene | < 455 | ug/Kg | | 8/23/2018 10:18 |
| Hexachlorocyclopentadiene | < 1820 | ug/Kg | | 8/23/2018 10:18 |
| Hexachloroethane | < 455 | ug/Kg | | 8/23/2018 10:18 |
| Indeno (1,2,3-cd) pyrene | < 455 | ug/Kg | | 8/23/2018 10:18 |
| Isophorone | < 455 | ug/Kg | | 8/23/2018 10:18 |
| Naphthalene | 376 | ug/Kg | J | 8/23/2018 10:18 |
| Nitrobenzene | < 455 | ug/Kg | | 8/23/2018 10:18 |
| N-Nitroso-di-n-propylamine | < 455 | ug/Kg | | 8/23/2018 10:18 |
| N-Nitrosodiphenylamine | < 455 | ug/Kg | | 8/23/2018 10:18 |
| Pentachlorophenol | < 909 | ug/Kg | | 8/23/2018 10:18 |
| Phenanthrene | 587 | ug/Kg | | 8/23/2018 10:18 |
| Phenol | < 455 | ug/Kg | | 8/23/2018 10:18 |
| Pyrene | 427 | ug/Kg | J | 8/23/2018 10:18 |

| Surrogate | Percent Recovery | Limits | Outliers | Date Analyzed |
|----------------------|------------------|-------------|----------|-----------------|
| 2,4,6-Tribromophenol | 36.3 | 35.7 - 94.4 | | 8/23/2018 10:18 |
| 2-Fluorobiphenyl | 37.4 | 35.7 - 85.7 | | 8/23/2018 10:18 |
| 2-Fluorophenol | 40.4 | 39.4 - 78.1 | | 8/23/2018 10:18 |
| Nitrobenzene-d5 | 36.7 | 36.1 - 74.4 | | 8/23/2018 10:18 |
| Phenol-d5 | 42.7 | 40.6 - 79.3 | | 8/23/2018 10:18 |
| Terphenyl-d14 | 37.7 | 46.6 - 99.9 | * | 8/23/2018 10:18 |

Method Reference(s): EPA 8270D
EPA 3546
Preparation Date: 8/22/2018
Data File: B30693.D

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Report Prepared Tuesday, September 4, 2018



Lab Project ID: 183775

Client: BE3

Project Reference: 31 + 150 Tonawanda St

Sample Identifier: BH-4 (11.5-12)

Lab Sample ID: 183775-07

Matrix: Soil

Date Sampled: 8/16/2018

Date Received: 8/17/2018

Volatile Organics

| Analyte | Result | Units | Qualifier | Date Analyzed |
|-----------------------------|---------------|--------------|------------------|----------------------|
| 1,1,1-Trichloroethane | < 5.66 | ug/Kg | | 8/28/2018 18:43 |
| 1,1,2,2-Tetrachloroethane | < 5.66 | ug/Kg | | 8/28/2018 18:43 |
| 1,1,2-Trichloroethane | < 5.66 | ug/Kg | | 8/28/2018 18:43 |
| 1,1-Dichloroethane | < 5.66 | ug/Kg | | 8/28/2018 18:43 |
| 1,1-Dichloroethene | < 5.66 | ug/Kg | | 8/28/2018 18:43 |
| 1,2,3-Trichlorobenzene | < 14.1 | ug/Kg | | 8/28/2018 18:43 |
| 1,2,4-Trichlorobenzene | < 14.1 | ug/Kg | | 8/28/2018 18:43 |
| 1,2,4-Trimethylbenzene | < 5.66 | ug/Kg | | 8/28/2018 18:43 |
| 1,2-Dibromo-3-Chloropropane | < 28.3 | ug/Kg | | 8/28/2018 18:43 |
| 1,2-Dibromoethane | < 5.66 | ug/Kg | | 8/28/2018 18:43 |
| 1,2-Dichlorobenzene | < 5.66 | ug/Kg | | 8/28/2018 18:43 |
| 1,2-Dichloroethane | < 5.66 | ug/Kg | | 8/28/2018 18:43 |
| 1,2-Dichloropropane | < 5.66 | ug/Kg | | 8/28/2018 18:43 |
| 1,3,5-Trimethylbenzene | < 5.66 | ug/Kg | | 8/28/2018 18:43 |
| 1,3-Dichlorobenzene | < 5.66 | ug/Kg | | 8/28/2018 18:43 |
| 1,4-Dichlorobenzene | < 5.66 | ug/Kg | | 8/28/2018 18:43 |
| 1,4-Dioxane | < 56.6 | ug/Kg | | 8/28/2018 18:43 |
| 2-Butanone | < 28.3 | ug/Kg | | 8/28/2018 18:43 |
| 2-Hexanone | < 14.1 | ug/Kg | | 8/28/2018 18:43 |
| 4-Methyl-2-pentanone | < 14.1 | ug/Kg | | 8/28/2018 18:43 |
| Acetone | 62.0 | ug/Kg | | 8/28/2018 18:43 |
| Benzene | < 5.66 | ug/Kg | | 8/28/2018 18:43 |
| Bromochloromethane | < 14.1 | ug/Kg | | 8/28/2018 18:43 |
| Bromodichloromethane | < 5.66 | ug/Kg | | 8/28/2018 18:43 |
| Bromoform | < 14.1 | ug/Kg | | 8/28/2018 18:43 |
| Bromomethane | < 5.66 | ug/Kg | | 8/28/2018 18:43 |
| Carbon disulfide | 8.58 | ug/Kg | | 8/28/2018 18:43 |

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Report Prepared Tuesday, September 4, 2018



Lab Project ID: 183775

Client: **BE3**

Project Reference: 31 + 150 Tonawanda St

Sample Identifier: BH-4 (11.5-12)

Lab Sample ID: 183775-07

Date Sampled: 8/16/2018

Matrix: Soil

Date Received: 8/17/2018

| | | | | |
|---------------------------|-------------|-------|---|-----------------|
| Carbon Tetrachloride | < 5.66 | ug/Kg | | 8/28/2018 18:43 |
| Chlorobenzene | < 5.66 | ug/Kg | | 8/28/2018 18:43 |
| Chloroethane | < 5.66 | ug/Kg | | 8/28/2018 18:43 |
| Chloroform | < 5.66 | ug/Kg | | 8/28/2018 18:43 |
| Chloromethane | < 5.66 | ug/Kg | | 8/28/2018 18:43 |
| cis-1,2-Dichloroethene | < 5.66 | ug/Kg | | 8/28/2018 18:43 |
| cis-1,3-Dichloropropene | < 5.66 | ug/Kg | | 8/28/2018 18:43 |
| Cyclohexane | < 28.3 | ug/Kg | | 8/28/2018 18:43 |
| Dibromochloromethane | < 5.66 | ug/Kg | | 8/28/2018 18:43 |
| Dichlorodifluoromethane | < 5.66 | ug/Kg | | 8/28/2018 18:43 |
| Ethylbenzene | < 5.66 | ug/Kg | | 8/28/2018 18:43 |
| Freon 113 | < 5.66 | ug/Kg | | 8/28/2018 18:43 |
| Isopropylbenzene | < 5.66 | ug/Kg | | 8/28/2018 18:43 |
| m,p-Xylene | 4.56 | ug/Kg | J | 8/28/2018 18:43 |
| Methyl acetate | < 5.66 | ug/Kg | | 8/28/2018 18:43 |
| Methyl tert-butyl Ether | < 5.66 | ug/Kg | | 8/28/2018 18:43 |
| Methylcyclohexane | 22.8 | ug/Kg | | 8/28/2018 18:43 |
| Methylene chloride | < 14.1 | ug/Kg | | 8/28/2018 18:43 |
| Naphthalene | < 14.1 | ug/Kg | | 8/28/2018 18:43 |
| n-Butylbenzene | < 5.66 | ug/Kg | | 8/28/2018 18:43 |
| n-Propylbenzene | < 5.66 | ug/Kg | | 8/28/2018 18:43 |
| o-Xylene | < 5.66 | ug/Kg | | 8/28/2018 18:43 |
| p-Isopropyltoluene | < 5.66 | ug/Kg | | 8/28/2018 18:43 |
| sec-Butylbenzene | < 5.66 | ug/Kg | | 8/28/2018 18:43 |
| Styrene | < 14.1 | ug/Kg | | 8/28/2018 18:43 |
| tert-Butylbenzene | < 5.66 | ug/Kg | | 8/28/2018 18:43 |
| Tetrachloroethene | < 5.66 | ug/Kg | | 8/28/2018 18:43 |
| Toluene | < 5.66 | ug/Kg | | 8/28/2018 18:43 |
| trans-1,2-Dichloroethene | < 5.66 | ug/Kg | | 8/28/2018 18:43 |
| trans-1,3-Dichloropropene | < 5.66 | ug/Kg | | 8/28/2018 18:43 |

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Report Prepared Tuesday, September 4, 2018



Lab Project ID: 183775

Client: **BE3**

Project Reference: 31 + 150 Tonawanda St

Sample Identifier: BH-4 (11.5-12)

Lab Sample ID: 183775-07

Date Sampled: 8/16/2018

Matrix: Soil

Date Received: 8/17/2018

| | | | |
|------------------------|--------|-------|-----------------|
| Trichloroethene | < 5.66 | ug/Kg | 8/28/2018 18:43 |
| Trichlorofluoromethane | < 5.66 | ug/Kg | 8/28/2018 18:43 |
| Vinyl chloride | < 5.66 | ug/Kg | 8/28/2018 18:43 |

| Surrogate | Percent Recovery | Limits | Outliers | Date Analyzed |
|-----------------------|------------------|------------|----------|-----------------|
| 1,2-Dichloroethane-d4 | 103 | 80.4 - 128 | | 8/28/2018 18:43 |
| 4-Bromofluorobenzene | 99.2 | 75.7 - 120 | | 8/28/2018 18:43 |
| Pentafluorobenzene | 92.6 | 85.3 - 111 | | 8/28/2018 18:43 |
| Toluene-D8 | 103 | 85 - 112 | | 8/28/2018 18:43 |

Method Reference(s): EPA 8260C
EPA 5035A - L
Data File: x53594.D

This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.

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Report Prepared Tuesday, September 4, 2018



Lab Project ID: 183775

Client: **BE3**

Project Reference: 31 + 150 Tonawanda St

Sample Identifier: BH-4 (11.5-12)

Lab Sample ID: 183775-07

Date Sampled: 8/16/2018

Matrix: Soil

Date Received: 8/17/2018

Total Cyanide

| <u>Analyte</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|-----------------------|----------------------|---------------------|-------------------------|-----------------------------|
| Cyanide, Total | 0.712 | mg/Kg | J | 8/30/2018 |

Method Reference(s): EPA 9014
Preparation Date: 8/28/2018

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Report Prepared Tuesday, September 4, 2018



Lab Project ID: 183775

Client: **BE3**

Project Reference: 31 + 150 Tonawanda St

Sample Identifier: BH-4 (0-1)

Lab Sample ID: 183775-08

Matrix: Soil

Date Sampled: 8/16/2018

Date Received: 8/17/2018

Mercury

| <u>Analyte</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|-----------------------|----------------------|---------------------|-------------------------|-----------------------------|
| Mercury | 0.686 | mg/Kg | | 8/28/2018 12:58 |

Method Reference(s): EPA 7471B

Preparation Date: 8/27/2018

Data File: Hg180828B

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Report Prepared Tuesday, September 4, 2018



Lab Project ID: 183775

Client: **BE3**

Project Reference: 31 + 150 Tonawanda St

Sample Identifier: BH-4 (0-1)

Lab Sample ID: 183775-08

Matrix: Soil

Date Sampled: 8/16/2018

Date Received: 8/17/2018

PCBs

| <u>Analyte</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|-----------------------|----------------------|---------------------|-------------------------|-----------------------------|
| PCB-1016 | < 0.0344 | mg/Kg | | 8/22/2018 13:17 |
| PCB-1221 | < 0.0344 | mg/Kg | | 8/22/2018 13:17 |
| PCB-1232 | < 0.0344 | mg/Kg | | 8/22/2018 13:17 |
| PCB-1242 | < 0.0344 | mg/Kg | | 8/22/2018 13:17 |
| PCB-1248 | < 0.0344 | mg/Kg | | 8/22/2018 13:17 |
| PCB-1254 | < 0.0344 | mg/Kg | | 8/22/2018 13:17 |
| PCB-1260 | < 0.0344 | mg/Kg | | 8/22/2018 13:17 |
| PCB-1262 | < 0.0344 | mg/Kg | | 8/22/2018 13:17 |
| PCB-1268 | < 0.0344 | mg/Kg | | 8/22/2018 13:17 |

| <u>Surrogate</u> | <u>Percent Recovery</u> | <u>Limits</u> | <u>Outliers</u> | <u>Date Analyzed</u> |
|-------------------------|--------------------------------|----------------------|------------------------|-----------------------------|
| Decachlorobiphenyl | 25.7 | 23.4 - 108 | | 8/22/2018 13:17 |
| Tetrachloro-m-xylene | 18.2 | 10 - 84 | | 8/22/2018 13:17 |

Method Reference(s): EPA 8082A

EPA 3546

Preparation Date: 8/21/2018

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Report Prepared Tuesday, September 4, 2018



Lab Project ID: 183775

Client: **BE3**

Project Reference: 31 + 150 Tonawanda St

Sample Identifier: BH-4 (0-1)

Lab Sample ID: 183775-08

Matrix: Soil

Date Sampled: 8/16/2018

Date Received: 8/17/2018

Chlorinated Pesticides

| Analyte | Result | Units | Qualifier | Date Analyzed |
|---------------------|-------------|-------|-----------|-----------------|
| 4,4-DDD | < 3.44 | ug/Kg | | 8/23/2018 21:00 |
| 4,4-DDE | < 3.44 | ug/Kg | | 8/23/2018 21:00 |
| 4,4-DDT | < 3.44 | ug/Kg | | 8/23/2018 21:00 |
| Aldrin | < 3.44 | ug/Kg | | 8/23/2018 21:00 |
| alpha-BHC | < 3.44 | ug/Kg | | 8/23/2018 21:00 |
| beta-BHC | < 3.44 | ug/Kg | | 8/23/2018 21:00 |
| cis-Chlordane | 6.72 | ug/Kg | | 8/23/2018 21:00 |
| delta-BHC | < 3.44 | ug/Kg | | 8/23/2018 21:00 |
| Dieldrin | < 3.44 | ug/Kg | | 8/23/2018 21:00 |
| Endosulfan I | < 3.44 | ug/Kg | | 8/23/2018 21:00 |
| Endosulfan II | < 3.44 | ug/Kg | | 8/23/2018 21:00 |
| Endosulfan Sulfate | < 3.44 | ug/Kg | | 8/23/2018 21:00 |
| Endrin | < 3.44 | ug/Kg | | 8/23/2018 21:00 |
| Endrin Aldehyde | < 3.44 | ug/Kg | | 8/23/2018 21:00 |
| Endrin Ketone | < 3.44 | ug/Kg | | 8/23/2018 21:00 |
| gamma-BHC (Lindane) | < 3.44 | ug/Kg | | 8/23/2018 21:00 |
| Heptachlor | < 3.44 | ug/Kg | | 8/23/2018 21:00 |
| Heptachlor Epoxide | < 3.44 | ug/Kg | | 8/23/2018 21:00 |
| Methoxychlor | 5.92 | ug/Kg | P | 8/23/2018 21:00 |
| Toxaphene | < 34.4 | ug/Kg | | 8/23/2018 21:00 |
| trans-Chlordane | < 3.44 | ug/Kg | | 8/23/2018 21:00 |

| Surrogate | Percent Recovery | Limits | Outliers | Date Analyzed |
|--------------------------|------------------|------------|----------|-----------------|
| Decachlorobiphenyl (1) | 45.4 | 46.2 - 125 | * | 8/23/2018 21:00 |
| Tetrachloro-m-xylene (1) | 32.1 | 29 - 98.8 | | 8/23/2018 21:00 |

Method Reference(s): EPA 8081B

EPA 3546

Preparation Date: 8/21/2018

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Report Prepared Tuesday, September 4, 2018



Lab Project ID: 183775

Client: **BE3**

Project Reference: 31 + 150 Tonawanda St

Sample Identifier: BH-4 (0-1)

Lab Sample ID: 183775-08

Matrix: Soil

Date Sampled: 8/16/2018

Date Received: 8/17/2018

Semi-Volatile Organics (Acid/Base Neutrals)

| Analyte | Result | Units | Qualifier | Date Analyzed |
|------------------------------|------------|-------|-----------|-----------------|
| 1,1-Biphenyl | < 672 | ug/Kg | | 8/23/2018 12:18 |
| 1,2,4,5-Tetrachlorobenzene | < 672 | ug/Kg | | 8/23/2018 12:18 |
| 1,2,4-Trichlorobenzene | < 672 | ug/Kg | | 8/23/2018 12:18 |
| 1,2-Dichlorobenzene | < 672 | ug/Kg | | 8/23/2018 12:18 |
| 1,3-Dichlorobenzene | < 672 | ug/Kg | | 8/23/2018 12:18 |
| 1,4-Dichlorobenzene | < 672 | ug/Kg | | 8/23/2018 12:18 |
| 2,2-Oxybis (1-chloropropane) | < 672 | ug/Kg | | 8/23/2018 12:18 |
| 2,3,4,6-Tetrachlorophenol | < 672 | ug/Kg | | 8/23/2018 12:18 |
| 2,4,5-Trichlorophenol | < 672 | ug/Kg | | 8/23/2018 12:18 |
| 2,4,6-Trichlorophenol | < 672 | ug/Kg | | 8/23/2018 12:18 |
| 2,4-Dichlorophenol | < 672 | ug/Kg | | 8/23/2018 12:18 |
| 2,4-Dimethylphenol | < 672 | ug/Kg | | 8/23/2018 12:18 |
| 2,4-Dinitrophenol | < 2690 | ug/Kg | | 8/23/2018 12:18 |
| 2,4-Dinitrotoluene | < 672 | ug/Kg | | 8/23/2018 12:18 |
| 2,6-Dinitrotoluene | < 672 | ug/Kg | | 8/23/2018 12:18 |
| 2-Chloronaphthalene | < 672 | ug/Kg | | 8/23/2018 12:18 |
| 2-Chlorophenol | < 672 | ug/Kg | | 8/23/2018 12:18 |
| 2-Methylnapthalene | 387 | ug/Kg | J | 8/23/2018 12:18 |
| 2-Methylphenol | < 672 | ug/Kg | | 8/23/2018 12:18 |
| 2-Nitroaniline | < 672 | ug/Kg | | 8/23/2018 12:18 |
| 2-Nitrophenol | < 672 | ug/Kg | | 8/23/2018 12:18 |
| 3&4-Methylphenol | < 672 | ug/Kg | | 8/23/2018 12:18 |
| 3,3'-Dichlorobenzidine | < 672 | ug/Kg | | 8/23/2018 12:18 |
| 3-Nitroaniline | < 672 | ug/Kg | | 8/23/2018 12:18 |
| 4,6-Dinitro-2-methylphenol | < 1340 | ug/Kg | | 8/23/2018 12:18 |
| 4-Bromophenyl phenyl ether | < 672 | ug/Kg | | 8/23/2018 12:18 |
| 4-Chloro-3-methylphenol | < 672 | ug/Kg | | 8/23/2018 12:18 |

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Report Prepared Tuesday, September 4, 2018



Lab Project ID: 183775

Client: **BE3**

Project Reference: 31 + 150 Tonawanda St

Sample Identifier: BH-4 (0-1)

Lab Sample ID: 183775-08

Matrix: Soil

Date Sampled: 8/16/2018

Date Received: 8/17/2018

| | | | |
|------------------------------|-------|-------|-------------------|
| 4-Chloroaniline | < 672 | ug/Kg | 8/23/2018 12:18 |
| 4-Chlorophenyl phenyl ether | < 672 | ug/Kg | 8/23/2018 12:18 |
| 4-Nitroaniline | < 672 | ug/Kg | 8/23/2018 12:18 |
| 4-Nitrophenol | < 672 | ug/Kg | 8/23/2018 12:18 |
| Acenaphthene | 1230 | ug/Kg | 8/23/2018 12:18 |
| Acenaphthylene | 398 | ug/Kg | J 8/23/2018 12:18 |
| Acetophenone | < 672 | ug/Kg | 8/23/2018 12:18 |
| Anthracene | 2800 | ug/Kg | 8/23/2018 12:18 |
| Atrazine | < 672 | ug/Kg | 8/23/2018 12:18 |
| Benzaldehyde | < 672 | ug/Kg | 8/23/2018 12:18 |
| Benzo (a) anthracene | 5710 | ug/Kg | 8/23/2018 12:18 |
| Benzo (a) pyrene | 4870 | ug/Kg | 8/23/2018 12:18 |
| Benzo (b) fluoranthene | 5020 | ug/Kg | 8/23/2018 12:18 |
| Benzo (g,h,i) perylene | 2980 | ug/Kg | 8/23/2018 12:18 |
| Benzo (k) fluoranthene | 3030 | ug/Kg | 8/23/2018 12:18 |
| Bis (2-chloroethoxy) methane | < 672 | ug/Kg | 8/23/2018 12:18 |
| Bis (2-chloroethyl) ether | < 672 | ug/Kg | 8/23/2018 12:18 |
| Bis (2-ethylhexyl) phthalate | < 672 | ug/Kg | 8/23/2018 12:18 |
| Butylbenzylphthalate | < 672 | ug/Kg | 8/23/2018 12:18 |
| Caprolactam | < 672 | ug/Kg | 8/23/2018 12:18 |
| Carbazole | 1060 | ug/Kg | 8/23/2018 12:18 |
| Chrysene | 5930 | ug/Kg | 8/23/2018 12:18 |
| Dibenz (a,h) anthracene | 1060 | ug/Kg | 8/23/2018 12:18 |
| Dibenzofuran | 877 | ug/Kg | 8/23/2018 12:18 |
| Diethyl phthalate | < 672 | ug/Kg | 8/23/2018 12:18 |
| Dimethyl phthalate | < 672 | ug/Kg | 8/23/2018 12:18 |
| Di-n-butyl phthalate | < 672 | ug/Kg | 8/23/2018 12:18 |
| Di-n-octylphthalate | < 672 | ug/Kg | 8/23/2018 12:18 |
| Fluoranthene | 13500 | ug/Kg | 8/23/2018 12:18 |
| Fluorene | 1180 | ug/Kg | 8/23/2018 12:18 |

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Report Prepared Tuesday, September 4, 2018



Lab Project ID: 183775

Client: **BE3**

Project Reference: 31 + 150 Tonawanda St

Sample Identifier: BH-4 (0-1)

Lab Sample ID: 183775-08

Date Sampled: 8/16/2018

Matrix: Soil

Date Received: 8/17/2018

| | | | | |
|----------------------------|--------------|-------|---|-----------------|
| Hexachlorobenzene | < 672 | ug/Kg | | 8/23/2018 12:18 |
| Hexachlorobutadiene | < 672 | ug/Kg | | 8/23/2018 12:18 |
| Hexachlorocyclopentadiene | < 2690 | ug/Kg | | 8/23/2018 12:18 |
| Hexachloroethane | < 672 | ug/Kg | | 8/23/2018 12:18 |
| Indeno (1,2,3-cd) pyrene | 3510 | ug/Kg | | 8/23/2018 12:18 |
| Isophorone | < 672 | ug/Kg | | 8/23/2018 12:18 |
| Naphthalene | 439 | ug/Kg | J | 8/23/2018 12:18 |
| Nitrobenzene | < 672 | ug/Kg | | 8/23/2018 12:18 |
| N-Nitroso-di-n-propylamine | < 672 | ug/Kg | | 8/23/2018 12:18 |
| N-Nitrosodiphenylamine | < 672 | ug/Kg | | 8/23/2018 12:18 |
| Pentachlorophenol | < 1340 | ug/Kg | | 8/23/2018 12:18 |
| Phenanthrene | 10600 | ug/Kg | | 8/23/2018 12:18 |
| Phenol | < 672 | ug/Kg | | 8/23/2018 12:18 |
| Pyrene | 11400 | ug/Kg | | 8/23/2018 12:18 |

| Surrogate | Percent Recovery | Limits | Outliers | Date Analyzed |
|----------------------|------------------|-------------|----------|-----------------|
| 2,4,6-Tribromophenol | 46.3 | 35.7 - 94.4 | | 8/23/2018 12:18 |
| 2-Fluorobiphenyl | 50.1 | 35.7 - 85.7 | | 8/23/2018 12:18 |
| 2-Fluorophenol | 48.0 | 39.4 - 78.1 | | 8/23/2018 12:18 |
| Nitrobenzene-d5 | 44.2 | 36.1 - 74.4 | | 8/23/2018 12:18 |
| Phenol-d5 | 50.7 | 40.6 - 79.3 | | 8/23/2018 12:18 |
| Terphenyl-d14 | 50.8 | 46.6 - 99.9 | | 8/23/2018 12:18 |

Method Reference(s): EPA 8270D

EPA 3546

Preparation Date: 8/22/2018

Data File: B30697.D

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Tuesday, September 4, 2018



Lab Project ID: 183775

Client: **BE3**

Project Reference: 31 + 150 Tonawanda St

Sample Identifier: BH-4 (0-1)

Lab Sample ID: 183775-08

Matrix: Soil

Date Sampled: 8/16/2018

Date Received: 8/17/2018

Total Cyanide

| <u>Analyte</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|----------------|---------------|--------------|------------------|----------------------|
| Cyanide, Total | < 0.590 | mg/Kg | | 8/30/2018 |

Method Reference(s): EPA 9014
Preparation Date: 8/30/2018

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Report Prepared Tuesday, September 4, 2018



Lab Project ID: 183775

Client: **BE3**

Project Reference: 31 + 150 Tonawanda St

Sample Identifier: BH-5 (0-2)

Lab Sample ID: 183775-09

Matrix: Soil

Date Sampled: 8/16/2018

Date Received: 8/17/2018

Mercury

| <u>Analyte</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|-----------------------|----------------------|---------------------|-------------------------|-----------------------------|
| Mercury | 0.343 | mg/Kg | | 8/28/2018 12:18 |

Method Reference(s): EPA 7471B

Preparation Date: 8/27/2018

Data File: Hg180828B

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Tuesday, September 4, 2018



Lab Project ID: 183775

Client: **BE3**

Project Reference: 31 + 150 Tonawanda St

Sample Identifier: BH-5 (0-2)

Lab Sample ID: 183775-09

Matrix: Soil

Date Sampled: 8/16/2018

Date Received: 8/17/2018

PCBs

| <u>Analyte</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|----------------|---------------|--------------|------------------|----------------------|
| PCB-1016 | < 0.0342 | mg/Kg | | 8/22/2018 13:40 |
| PCB-1221 | < 0.0342 | mg/Kg | | 8/22/2018 13:40 |
| PCB-1232 | < 0.0342 | mg/Kg | | 8/22/2018 13:40 |
| PCB-1242 | < 0.0342 | mg/Kg | | 8/22/2018 13:40 |
| PCB-1248 | < 0.0342 | mg/Kg | | 8/22/2018 13:40 |
| PCB-1254 | < 0.0342 | mg/Kg | | 8/22/2018 13:40 |
| PCB-1260 | < 0.0342 | mg/Kg | | 8/22/2018 13:40 |
| PCB-1262 | < 0.0342 | mg/Kg | | 8/22/2018 13:40 |
| PCB-1268 | < 0.0342 | mg/Kg | | 8/22/2018 13:40 |

| <u>Surrogate</u> | <u>Percent Recovery</u> | <u>Limits</u> | <u>Outliers</u> | <u>Date Analyzed</u> |
|----------------------|-------------------------|---------------|-----------------|----------------------|
| Decachlorobiphenyl | 53.8 | 23.4 - 108 | | 8/22/2018 13:40 |
| Tetrachloro-m-xylene | 33.3 | 10 - 84 | | 8/22/2018 13:40 |

Method Reference(s): EPA 8082A

EPA 3546

Preparation Date: 8/21/2018

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Tuesday, September 4, 2018



Lab Project ID: 183775

Client: **BE3**

Project Reference: 31 + 150 Tonawanda St

Sample Identifier: BH-5 (0-2)

Lab Sample ID: 183775-09

Matrix: Soil

Date Sampled: 8/16/2018

Date Received: 8/17/2018

Chlorinated Pesticides

| Analyte | Result | Units | Qualifier | Date Analyzed |
|---------------------|-------------|-------|-----------|-----------------|
| 4,4-DDD | < 3.42 | ug/Kg | | 8/23/2018 21:16 |
| 4,4-DDE | < 3.42 | ug/Kg | | 8/23/2018 21:16 |
| 4,4-DDT | < 3.42 | ug/Kg | | 8/23/2018 21:16 |
| Aldrin | < 3.42 | ug/Kg | | 8/23/2018 21:16 |
| alpha-BHC | < 3.42 | ug/Kg | | 8/23/2018 21:16 |
| beta-BHC | < 3.42 | ug/Kg | | 8/23/2018 21:16 |
| cis-Chlordane | 18.9 | ug/Kg | | 8/23/2018 21:16 |
| delta-BHC | < 3.42 | ug/Kg | | 8/23/2018 21:16 |
| Dieldrin | 5.49 | ug/Kg | P | 8/23/2018 21:16 |
| Endosulfan I | < 3.42 | ug/Kg | | 8/23/2018 21:16 |
| Endosulfan II | < 3.42 | ug/Kg | | 8/23/2018 21:16 |
| Endosulfan Sulfate | 2.43 | ug/Kg | JP | 8/23/2018 21:16 |
| Endrin | < 3.42 | ug/Kg | | 8/23/2018 21:16 |
| Endrin Aldehyde | 1.74 | ug/Kg | JP | 8/23/2018 21:16 |
| Endrin Ketone | 3.03 | ug/Kg | JP | 8/23/2018 21:16 |
| gamma-BHC (Lindane) | < 3.42 | ug/Kg | | 8/23/2018 21:16 |
| Heptachlor | < 3.42 | ug/Kg | | 8/23/2018 21:16 |
| Heptachlor Epoxide | < 3.42 | ug/Kg | | 8/23/2018 21:16 |
| Methoxychlor | 11.5 | ug/Kg | P | 8/23/2018 21:16 |
| Toxaphene | < 34.2 | ug/Kg | | 8/23/2018 21:16 |
| trans-Chlordane | < 3.42 | ug/Kg | | 8/23/2018 21:16 |

| Surrogate | Percent Recovery | Limits | Outliers | Date Analyzed |
|--------------------------|------------------|------------|----------|-----------------|
| Decachlorobiphenyl (1) | 69.9 | 46.2 - 125 | | 8/23/2018 21:16 |
| Tetrachloro-m-xylene (1) | 59.7 | 29 - 98.8 | | 8/23/2018 21:16 |

Method Reference(s): EPA 8081B

EPA 3546

Preparation Date: 8/21/2018

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Report Prepared Tuesday, September 4, 2018



Lab Project ID: 183775

Client: **BE3**

Project Reference: 31 + 150 Tonawanda St

Sample Identifier: BH-5 (0-2)

Lab Sample ID: 183775-09

Matrix: Soil

Date Sampled: 8/16/2018

Date Received: 8/17/2018

Semi-Volatile Organics (Acid/Base Neutrals)

| Analyte | Result | Units | Qualifier | Date Analyzed |
|------------------------------|--------|-------|-----------|-----------------|
| 1,1-Biphenyl | < 311 | ug/Kg | | 8/23/2018 11:18 |
| 1,2,4,5-Tetrachlorobenzene | < 311 | ug/Kg | | 8/23/2018 11:18 |
| 1,2,4-Trichlorobenzene | < 311 | ug/Kg | | 8/23/2018 11:18 |
| 1,2-Dichlorobenzene | < 311 | ug/Kg | | 8/23/2018 11:18 |
| 1,3-Dichlorobenzene | < 311 | ug/Kg | | 8/23/2018 11:18 |
| 1,4-Dichlorobenzene | < 311 | ug/Kg | | 8/23/2018 11:18 |
| 2,2-Oxybis (1-chloropropane) | < 311 | ug/Kg | | 8/23/2018 11:18 |
| 2,3,4,6-Tetrachlorophenol | < 311 | ug/Kg | | 8/23/2018 11:18 |
| 2,4,5-Trichlorophenol | < 311 | ug/Kg | | 8/23/2018 11:18 |
| 2,4,6-Trichlorophenol | < 311 | ug/Kg | | 8/23/2018 11:18 |
| 2,4-Dichlorophenol | < 311 | ug/Kg | | 8/23/2018 11:18 |
| 2,4-Dimethylphenol | < 311 | ug/Kg | | 8/23/2018 11:18 |
| 2,4-Dinitrophenol | < 1240 | ug/Kg | | 8/23/2018 11:18 |
| 2,4-Dinitrotoluene | < 311 | ug/Kg | | 8/23/2018 11:18 |
| 2,6-Dinitrotoluene | < 311 | ug/Kg | | 8/23/2018 11:18 |
| 2-Chloronaphthalene | < 311 | ug/Kg | | 8/23/2018 11:18 |
| 2-Chlorophenol | < 311 | ug/Kg | | 8/23/2018 11:18 |
| 2-Methylnapthalene | < 311 | ug/Kg | | 8/23/2018 11:18 |
| 2-Methylphenol | < 311 | ug/Kg | | 8/23/2018 11:18 |
| 2-Nitroaniline | < 311 | ug/Kg | | 8/23/2018 11:18 |
| 2-Nitrophenol | < 311 | ug/Kg | | 8/23/2018 11:18 |
| 3&4-Methylphenol | < 311 | ug/Kg | | 8/23/2018 11:18 |
| 3,3'-Dichlorobenzidine | < 311 | ug/Kg | | 8/23/2018 11:18 |
| 3-Nitroaniline | < 311 | ug/Kg | | 8/23/2018 11:18 |
| 4,6-Dinitro-2-methylphenol | < 622 | ug/Kg | | 8/23/2018 11:18 |
| 4-Bromophenyl phenyl ether | < 311 | ug/Kg | | 8/23/2018 11:18 |
| 4-Chloro-3-methylphenol | < 311 | ug/Kg | | 8/23/2018 11:18 |

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Report Prepared Tuesday, September 4, 2018



Lab Project ID: 183775

Client: **BE3**

Project Reference: 31 + 150 Tonawanda St

| | | | | |
|------------------------------|------------|-------|----------------|-----------------|
| Sample Identifier: | BH-5 (0-2) | | | |
| Lab Sample ID: | 183775-09 | | Date Sampled: | 8/16/2018 |
| Matrix: | Soil | | Date Received: | 8/17/2018 |
| 4-Chloroaniline | < 311 | ug/Kg | | 8/23/2018 11:18 |
| 4-Chlorophenyl phenyl ether | < 311 | ug/Kg | | 8/23/2018 11:18 |
| 4-Nitroaniline | < 311 | ug/Kg | | 8/23/2018 11:18 |
| 4-Nitrophenol | < 311 | ug/Kg | | 8/23/2018 11:18 |
| Acenaphthene | < 311 | ug/Kg | | 8/23/2018 11:18 |
| Acenaphthylene | < 311 | ug/Kg | | 8/23/2018 11:18 |
| Acetophenone | < 311 | ug/Kg | | 8/23/2018 11:18 |
| Anthracene | 303 | ug/Kg | J | 8/23/2018 11:18 |
| Atrazine | < 311 | ug/Kg | | 8/23/2018 11:18 |
| Benzaldehyde | < 311 | ug/Kg | | 8/23/2018 11:18 |
| Benzo (a) anthracene | 1080 | ug/Kg | | 8/23/2018 11:18 |
| Benzo (a) pyrene | 997 | ug/Kg | | 8/23/2018 11:18 |
| Benzo (b) fluoranthene | 1040 | ug/Kg | | 8/23/2018 11:18 |
| Benzo (g,h,i) perylene | 682 | ug/Kg | | 8/23/2018 11:18 |
| Benzo (k) fluoranthene | 702 | ug/Kg | | 8/23/2018 11:18 |
| Bis (2-chloroethoxy) methane | < 311 | ug/Kg | | 8/23/2018 11:18 |
| Bis (2-chloroethyl) ether | < 311 | ug/Kg | | 8/23/2018 11:18 |
| Bis (2-ethylhexyl) phthalate | < 311 | ug/Kg | | 8/23/2018 11:18 |
| Butylbenzylphthalate | < 311 | ug/Kg | | 8/23/2018 11:18 |
| Caprolactam | < 311 | ug/Kg | | 8/23/2018 11:18 |
| Carbazole | < 311 | ug/Kg | | 8/23/2018 11:18 |
| Chrysene | 1180 | ug/Kg | | 8/23/2018 11:18 |
| Dibenz (a,h) anthracene | 246 | ug/Kg | J | 8/23/2018 11:18 |
| Dibenzofuran | < 311 | ug/Kg | | 8/23/2018 11:18 |
| Diethyl phthalate | < 311 | ug/Kg | | 8/23/2018 11:18 |
| Dimethyl phthalate | < 311 | ug/Kg | | 8/23/2018 11:18 |
| Di-n-butyl phthalate | < 311 | ug/Kg | | 8/23/2018 11:18 |
| Di-n-octylphthalate | < 311 | ug/Kg | | 8/23/2018 11:18 |
| Fluoranthene | 2320 | ug/Kg | | 8/23/2018 11:18 |
| Fluorene | < 311 | ug/Kg | | 8/23/2018 11:18 |

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Report Prepared Tuesday, September 4, 2018



Lab Project ID: 183775

Client: **BE3**

Project Reference: 31 + 150 Tonawanda St

Sample Identifier: BH-5 (0-2)

Lab Sample ID: 183775-09

Date Sampled: 8/16/2018

Matrix: Soil

Date Received: 8/17/2018

| | | | | |
|----------------------------|-------------|-------|-----------|-------|
| Hexachlorobenzene | < 311 | ug/Kg | 8/23/2018 | 11:18 |
| Hexachlorobutadiene | < 311 | ug/Kg | 8/23/2018 | 11:18 |
| Hexachlorocyclopentadiene | < 1240 | ug/Kg | 8/23/2018 | 11:18 |
| Hexachloroethane | < 311 | ug/Kg | 8/23/2018 | 11:18 |
| Indeno (1,2,3-cd) pyrene | 765 | ug/Kg | 8/23/2018 | 11:18 |
| Isophorone | < 311 | ug/Kg | 8/23/2018 | 11:18 |
| Naphthalene | < 311 | ug/Kg | 8/23/2018 | 11:18 |
| Nitrobenzene | < 311 | ug/Kg | 8/23/2018 | 11:18 |
| N-Nitroso-di-n-propylamine | < 311 | ug/Kg | 8/23/2018 | 11:18 |
| N-Nitrosodiphenylamine | < 311 | ug/Kg | 8/23/2018 | 11:18 |
| Pentachlorophenol | < 622 | ug/Kg | 8/23/2018 | 11:18 |
| Phenanthrene | 1190 | ug/Kg | 8/23/2018 | 11:18 |
| Phenol | < 311 | ug/Kg | 8/23/2018 | 11:18 |
| Pyrene | 1990 | ug/Kg | 8/23/2018 | 11:18 |

| Surrogate | Percent Recovery | Limits | Outliers | Date Analyzed |
|----------------------|-------------------------|---------------|-----------------|----------------------|
| 2,4,6-Tribromophenol | 47.6 | 35.7 - 94.4 | | 8/23/2018 11:18 |
| 2-Fluorobiphenyl | 59.4 | 35.7 - 85.7 | | 8/23/2018 11:18 |
| 2-Fluorophenol | 59.8 | 39.4 - 78.1 | | 8/23/2018 11:18 |
| Nitrobenzene-d5 | 57.9 | 36.1 - 74.4 | | 8/23/2018 11:18 |
| Phenol-d5 | 65.1 | 40.6 - 79.3 | | 8/23/2018 11:18 |
| Terphenyl-d14 | 58.0 | 46.6 - 99.9 | | 8/23/2018 11:18 |

Method Reference(s): EPA 8270D
EPA 3546
Preparation Date: 8/22/2018
Data File: B30695.D

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Report Prepared Tuesday, September 4, 2018



Lab Project ID: 183775

Client: **BE3**

Project Reference: 31 + 150 Tonawanda St

Sample Identifier: BH-5 (0-2)

Lab Sample ID: 183775-09

Matrix: Soil

Date Sampled: 8/16/2018

Date Received: 8/17/2018

Total Cyanide

| <u>Analyte</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|----------------|---------------|--------------|------------------|----------------------|
| Cyanide, Total | < 0.553 | mg/Kg | | 8/30/2018 |

Method Reference(s): EPA 9014
Preparation Date: 8/30/2018

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Report Prepared Tuesday, September 4, 2018



Lab Project ID: 183775

Client: **BE3**

Project Reference: 31 + 150 Tonawanda St

Sample Identifier: BH-6 (0-2)

Lab Sample ID: 183775-10

Matrix: Soil

Date Sampled: 8/16/2018

Date Received: 8/17/2018

Mercury

| <u>Analyte</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|-----------------------|----------------------|---------------------|-------------------------|-----------------------------|
| Mercury | 0.133 | mg/Kg | M | 8/28/2018 12:21 |

Method Reference(s): EPA 7471B

Preparation Date: 8/27/2018

Data File: Hg180828B

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Report Prepared Tuesday, September 4, 2018



Lab Project ID: 183775

Client: **BE3**

Project Reference: 31 + 150 Tonawanda St

Sample Identifier: BH-6 (0-2)

Lab Sample ID: 183775-10

Matrix: Soil

Date Sampled: 8/16/2018

Date Received: 8/17/2018

PCBs

| <u>Analyte</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|-----------------------|----------------------|---------------------|-------------------------|-----------------------------|
| PCB-1016 | < 0.0347 | mg/Kg | | 8/22/2018 14:03 |
| PCB-1221 | < 0.0347 | mg/Kg | | 8/22/2018 14:03 |
| PCB-1232 | < 0.0347 | mg/Kg | | 8/22/2018 14:03 |
| PCB-1242 | < 0.0347 | mg/Kg | | 8/22/2018 14:03 |
| PCB-1248 | < 0.0347 | mg/Kg | | 8/22/2018 14:03 |
| PCB-1254 | < 0.0347 | mg/Kg | | 8/22/2018 14:03 |
| PCB-1260 | < 0.0347 | mg/Kg | | 8/22/2018 14:03 |
| PCB-1262 | < 0.0347 | mg/Kg | | 8/22/2018 14:03 |
| PCB-1268 | < 0.0347 | mg/Kg | | 8/22/2018 14:03 |

| <u>Surrogate</u> | <u>Percent Recovery</u> | <u>Limits</u> | <u>Outliers</u> | <u>Date Analyzed</u> |
|-------------------------|--------------------------------|----------------------|------------------------|-----------------------------|
| Decachlorobiphenyl | 40.8 | 23.4 - 108 | | 8/22/2018 14:03 |
| Tetrachloro-m-xylene | 32.2 | 10 - 84 | | 8/22/2018 14:03 |

Method Reference(s): EPA 8082A

EPA 3546

Preparation Date: 8/21/2018

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Report Prepared Tuesday, September 4, 2018



Lab Project ID: 183775

Client: **BE3**

Project Reference: 31 + 150 Tonawanda St

Sample Identifier: BH-6 (0-2)

Lab Sample ID: 183775-10

Matrix: Soil

Date Sampled: 8/16/2018

Date Received: 8/17/2018

Chlorinated Pesticides

| Analyte | Result | Units | Qualifier | Date Analyzed |
|---------------------|--------|-------|-----------|-----------------|
| 4,4-DDD | 3.51 | ug/Kg | P | 8/23/2018 21:31 |
| 4,4-DDE | 3.59 | ug/Kg | | 8/23/2018 21:31 |
| 4,4-DDT | 4.53 | ug/Kg | | 8/23/2018 21:31 |
| Aldrin | < 3.47 | ug/Kg | | 8/23/2018 21:31 |
| alpha-BHC | < 3.47 | ug/Kg | | 8/23/2018 21:31 |
| beta-BHC | < 3.47 | ug/Kg | | 8/23/2018 21:31 |
| cis-Chlordane | 7.83 | ug/Kg | P | 8/23/2018 21:31 |
| delta-BHC | < 3.47 | ug/Kg | | 8/23/2018 21:31 |
| Dieldrin | < 3.47 | ug/Kg | | 8/23/2018 21:31 |
| Endosulfan I | < 3.47 | ug/Kg | | 8/23/2018 21:31 |
| Endosulfan II | < 3.47 | ug/Kg | | 8/23/2018 21:31 |
| Endosulfan Sulfate | < 3.47 | ug/Kg | | 8/23/2018 21:31 |
| Endrin | < 3.47 | ug/Kg | | 8/23/2018 21:31 |
| Endrin Aldehyde | < 3.47 | ug/Kg | | 8/23/2018 21:31 |
| Endrin Ketone | < 3.47 | ug/Kg | | 8/23/2018 21:31 |
| gamma-BHC (Lindane) | < 3.47 | ug/Kg | | 8/23/2018 21:31 |
| Heptachlor | < 3.47 | ug/Kg | | 8/23/2018 21:31 |
| Heptachlor Epoxide | < 3.47 | ug/Kg | | 8/23/2018 21:31 |
| Methoxychlor | 2.44 | ug/Kg | JP | 8/23/2018 21:31 |
| Toxaphene | < 3.47 | ug/Kg | | 8/23/2018 21:31 |
| trans-Chlordane | 4.98 | ug/Kg | | 8/23/2018 21:31 |

| Surrogate | Percent Recovery | Limits | Outliers | Date Analyzed |
|--------------------------|------------------|------------|----------|-----------------|
| Decachlorobiphenyl (1) | 29.8 | 46.2 - 125 | * | 8/23/2018 21:31 |
| Tetrachloro-m-xylene (1) | 51.6 | 29 - 98.8 | | 8/23/2018 21:31 |

Method Reference(s): EPA 8081B

EPA 3546

Preparation Date: 8/21/2018

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Report Prepared Tuesday, September 4, 2018



Lab Project ID: 183775

Client: **BE3**

Project Reference: 31 + 150 Tonawanda St

Sample Identifier: BH-6 (0-2)

Lab Sample ID: 183775-10

Matrix: Soil

Date Sampled: 8/16/2018

Date Received: 8/17/2018

Semi-Volatile Organics (Acid/Base Neutrals)

| Analyte | Result | Units | Qualifier | Date Analyzed |
|------------------------------|--------|-------|-----------|-----------------|
| 1,1-Biphenyl | < 318 | ug/Kg | | 8/23/2018 11:48 |
| 1,2,4,5-Tetrachlorobenzene | < 318 | ug/Kg | | 8/23/2018 11:48 |
| 1,2,4-Trichlorobenzene | < 318 | ug/Kg | | 8/23/2018 11:48 |
| 1,2-Dichlorobenzene | < 318 | ug/Kg | | 8/23/2018 11:48 |
| 1,3-Dichlorobenzene | < 318 | ug/Kg | | 8/23/2018 11:48 |
| 1,4-Dichlorobenzene | < 318 | ug/Kg | | 8/23/2018 11:48 |
| 2,2-Oxybis (1-chloropropane) | < 318 | ug/Kg | | 8/23/2018 11:48 |
| 2,3,4,6-Tetrachlorophenol | < 318 | ug/Kg | | 8/23/2018 11:48 |
| 2,4,5-Trichlorophenol | < 318 | ug/Kg | | 8/23/2018 11:48 |
| 2,4,6-Trichlorophenol | < 318 | ug/Kg | | 8/23/2018 11:48 |
| 2,4-Dichlorophenol | < 318 | ug/Kg | | 8/23/2018 11:48 |
| 2,4-Dimethylphenol | < 318 | ug/Kg | | 8/23/2018 11:48 |
| 2,4-Dinitrophenol | < 1270 | ug/Kg | | 8/23/2018 11:48 |
| 2,4-Dinitrotoluene | < 318 | ug/Kg | | 8/23/2018 11:48 |
| 2,6-Dinitrotoluene | < 318 | ug/Kg | | 8/23/2018 11:48 |
| 2-Chloronaphthalene | < 318 | ug/Kg | | 8/23/2018 11:48 |
| 2-Chlorophenol | < 318 | ug/Kg | | 8/23/2018 11:48 |
| 2-Methylnapthalene | < 318 | ug/Kg | | 8/23/2018 11:48 |
| 2-Methylphenol | < 318 | ug/Kg | | 8/23/2018 11:48 |
| 2-Nitroaniline | < 318 | ug/Kg | | 8/23/2018 11:48 |
| 2-Nitrophenol | < 318 | ug/Kg | | 8/23/2018 11:48 |
| 3&4-Methylphenol | < 318 | ug/Kg | | 8/23/2018 11:48 |
| 3,3'-Dichlorobenzidine | < 318 | ug/Kg | | 8/23/2018 11:48 |
| 3-Nitroaniline | < 318 | ug/Kg | | 8/23/2018 11:48 |
| 4,6-Dinitro-2-methylphenol | < 635 | ug/Kg | | 8/23/2018 11:48 |
| 4-Bromophenyl phenyl ether | < 318 | ug/Kg | | 8/23/2018 11:48 |
| 4-Chloro-3-methylphenol | < 318 | ug/Kg | | 8/23/2018 11:48 |

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Tuesday, September 4, 2018



Lab Project ID: 183775

Client: **BE3**

Project Reference: 31 + 150 Tonawanda St

Sample Identifier: BH-6 (0-2)

Lab Sample ID: 183775-10

Matrix: Soil

Date Sampled: 8/16/2018

Date Received: 8/17/2018

| | | | |
|------------------------------|-------------|-------|-----------------|
| 4-Chloroaniline | < 318 | ug/Kg | 8/23/2018 11:48 |
| 4-Chlorophenyl phenyl ether | < 318 | ug/Kg | 8/23/2018 11:48 |
| 4-Nitroaniline | < 318 | ug/Kg | 8/23/2018 11:48 |
| 4-Nitrophenol | < 318 | ug/Kg | 8/23/2018 11:48 |
| Acenaphthene | < 318 | ug/Kg | 8/23/2018 11:48 |
| Acenaphthylene | < 318 | ug/Kg | 8/23/2018 11:48 |
| Acetophenone | < 318 | ug/Kg | 8/23/2018 11:48 |
| Anthracene | < 318 | ug/Kg | 8/23/2018 11:48 |
| Atrazine | < 318 | ug/Kg | 8/23/2018 11:48 |
| Benzaldehyde | < 318 | ug/Kg | 8/23/2018 11:48 |
| Benzo (a) anthracene | 588 | ug/Kg | 8/23/2018 11:48 |
| Benzo (a) pyrene | 541 | ug/Kg | 8/23/2018 11:48 |
| Benzo (b) fluoranthene | 627 | ug/Kg | 8/23/2018 11:48 |
| Benzo (g,h,i) perylene | 384 | ug/Kg | 8/23/2018 11:48 |
| Benzo (k) fluoranthene | 399 | ug/Kg | 8/23/2018 11:48 |
| Bis (2-chloroethoxy) methane | < 318 | ug/Kg | 8/23/2018 11:48 |
| Bis (2-chloroethyl) ether | < 318 | ug/Kg | 8/23/2018 11:48 |
| Bis (2-ethylhexyl) phthalate | < 318 | ug/Kg | 8/23/2018 11:48 |
| Butylbenzylphthalate | < 318 | ug/Kg | 8/23/2018 11:48 |
| Caprolactam | < 318 | ug/Kg | 8/23/2018 11:48 |
| Carbazole | < 318 | ug/Kg | 8/23/2018 11:48 |
| Chrysene | 689 | ug/Kg | 8/23/2018 11:48 |
| Dibenz (a,h) anthracene | < 318 | ug/Kg | 8/23/2018 11:48 |
| Dibenzofuran | < 318 | ug/Kg | 8/23/2018 11:48 |
| Diethyl phthalate | < 318 | ug/Kg | 8/23/2018 11:48 |
| Dimethyl phthalate | < 318 | ug/Kg | 8/23/2018 11:48 |
| Di-n-butyl phthalate | < 318 | ug/Kg | 8/23/2018 11:48 |
| Di-n-octylphthalate | < 318 | ug/Kg | 8/23/2018 11:48 |
| Fluoranthene | 1200 | ug/Kg | 8/23/2018 11:48 |
| Fluorene | < 318 | ug/Kg | 8/23/2018 11:48 |

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Report Prepared Tuesday, September 4, 2018



Lab Project ID: 183775

Client: **BE3**

Project Reference: 31 + 150 Tonawanda St

Sample Identifier: BH-6 (0-2)

Lab Sample ID: 183775-10

Date Sampled: 8/16/2018

Matrix: Soil

Date Received: 8/17/2018

| | | | | |
|----------------------------|-------------|-------|-----------|-------|
| Hexachlorobenzene | < 318 | ug/Kg | 8/23/2018 | 11:48 |
| Hexachlorobutadiene | < 318 | ug/Kg | 8/23/2018 | 11:48 |
| Hexachlorocyclopentadiene | < 1270 | ug/Kg | 8/23/2018 | 11:48 |
| Hexachloroethane | < 318 | ug/Kg | 8/23/2018 | 11:48 |
| Indeno (1,2,3-cd) pyrene | 423 | ug/Kg | 8/23/2018 | 11:48 |
| Isophorone | < 318 | ug/Kg | 8/23/2018 | 11:48 |
| Naphthalene | < 318 | ug/Kg | 8/23/2018 | 11:48 |
| Nitrobenzene | < 318 | ug/Kg | 8/23/2018 | 11:48 |
| N-Nitroso-di-n-propylamine | < 318 | ug/Kg | 8/23/2018 | 11:48 |
| N-Nitrosodiphenylamine | < 318 | ug/Kg | 8/23/2018 | 11:48 |
| Pentachlorophenol | < 635 | ug/Kg | 8/23/2018 | 11:48 |
| Phenanthrene | 563 | ug/Kg | 8/23/2018 | 11:48 |
| Phenol | < 318 | ug/Kg | 8/23/2018 | 11:48 |
| Pyrene | 1000 | ug/Kg | 8/23/2018 | 11:48 |

| Surrogate | Percent Recovery | Limits | Outliers | Date Analyzed |
|----------------------|-------------------------|---------------|-----------------|----------------------|
| 2,4,6-Tribromophenol | 52.8 | 35.7 - 94.4 | | 8/23/2018 11:48 |
| 2-Fluorobiphenyl | 55.5 | 35.7 - 85.7 | | 8/23/2018 11:48 |
| 2-Fluorophenol | 54.4 | 39.4 - 78.1 | | 8/23/2018 11:48 |
| Nitrobenzene-d5 | 55.2 | 36.1 - 74.4 | | 8/23/2018 11:48 |
| Phenol-d5 | 57.7 | 40.6 - 79.3 | | 8/23/2018 11:48 |
| Terphenyl-d14 | 58.1 | 46.6 - 99.9 | | 8/23/2018 11:48 |

Method Reference(s): EPA 8270D
EPA 3546
Preparation Date: 8/22/2018
Data File: B30696.D

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Report Prepared Tuesday, September 4, 2018



Lab Project ID: 183775

Client: **BE3**

Project Reference: 31 + 150 Tonawanda St

Sample Identifier: BH-6 (0-2)

Lab Sample ID: 183775-10

Matrix: Soil

Date Sampled: 8/16/2018

Date Received: 8/17/2018

Total Cyanide

| <u>Analyte</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|----------------|---------------|--------------|------------------|----------------------|
| Cyanide, Total | < 0.566 | mg/Kg | | 8/30/2018 |

Method Reference(s): EPA 9014
Preparation Date: 8/30/2018

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Tuesday, September 4, 2018



Lab Project ID: 183775

Client: **BE3**

Project Reference: 31 + 150 Tonawanda St

Sample Identifier: BH-6 (4-6)

Lab Sample ID: 183775-01

Date Sampled: 8/16/2018

Matrix: Soil

Date Received: 8/17/2018

Semi-Volatile Tentatively Identified Compounds

| <u>Tentatively Identified Compound</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|---|----------------------|---------------------|-------------------------|-----------------------------|
| Trichloroethylene | 4360 | ug/Kg | | 8/23/2018 |
| Unknown | 1830 | ug/Kg | B | 8/23/2018 |
| Unknown | 1910 | ug/Kg | | 8/23/2018 |
| Unknown Alkane | 1810 | ug/Kg | | 8/23/2018 |
| Unknown Alkane | 1630 | ug/Kg | | 8/23/2018 |
| Unknown Alkane | 1570 | ug/Kg | | 8/23/2018 |
| Unknown Alkane | 1660 | ug/Kg | | 8/23/2018 |
| Unknown Alkane | 3290 | ug/Kg | | 8/23/2018 |
| Unknown Alkane | 1610 | ug/Kg | | 8/23/2018 |
| Unknown | 2990 | ug/Kg | | 8/23/2018 |
| Unknown Alkane | 1780 | ug/Kg | | 8/23/2018 |
| Unknown Alkane | 2760 | ug/Kg | | 8/23/2018 |
| Unknown Alkane | 8950 | ug/Kg | | 8/23/2018 |
| Unknown Alkane | 2870 | ug/Kg | | 8/23/2018 |
| Unknown | 2240 | ug/Kg | | 8/23/2018 |
| Unknown | 3920 | ug/Kg | | 8/23/2018 |
| Unknown Alkane | 2280 | ug/Kg | | 8/23/2018 |
| Unknown | 2260 | ug/Kg | | 8/23/2018 |
| Unknown | 2510 | ug/Kg | | 8/23/2018 |
| Unknown Alkane | 2000 | ug/Kg | | 8/23/2018 |
| Total Reported TICS | 54200 | ug/Kg | | 8/23/2018 |

Method Reference(s): EPA 8270D

EPA 3546

Preparation Date: 8/22/2018

Tentatively Identified Compound results are estimated values, based on Internal Standard response factors.

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Report Prepared Friday, August 31, 2018



Lab Project ID: 183775

Client: **BE3**

Project Reference: 31 + 150 Tonawanda St

Sample Identifier: BH-6 (4-6)

Lab Sample ID: 183775-01

Date Sampled: 8/16/2018

Matrix: Soil

Date Received: 8/17/2018

Volatile Tentatively Identified Compounds

| <u>Tentatively Identified Compound</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|---|----------------------|---------------------|-------------------------|-----------------------------|
| Unknown Cyclohexane | 586 | ug/Kg | | 8/28/2018 |
| Unknown Cyclohexane | 496 | ug/Kg | | 8/28/2018 |
| Unknown Cyclohexane | 734 | ug/Kg | | 8/28/2018 |
| Unknown Alkane | 879 | ug/Kg | | 8/28/2018 |
| Unknown Alkane | 805 | ug/Kg | | 8/28/2018 |
| Unknown Alkane | 2520 | ug/Kg | | 8/28/2018 |
| Unknown | 1440 | ug/Kg | | 8/28/2018 |
| Unknown | 1170 | ug/Kg | | 8/28/2018 |
| Unknown | 466 | ug/Kg | | 8/28/2018 |
| Unknown | 1150 | ug/Kg | | 8/28/2018 |
| Unknown | 517 | ug/Kg | | 8/28/2018 |
| Unknown | 683 | ug/Kg | | 8/28/2018 |
| Unknown | 547 | ug/Kg | | 8/28/2018 |
| Unknown | 1290 | ug/Kg | | 8/28/2018 |
| Unknown | 617 | ug/Kg | | 8/28/2018 |
| Unknown | 799 | ug/Kg | | 8/28/2018 |
| Unknown | 972 | ug/Kg | | 8/28/2018 |
| Unknown | 1240 | ug/Kg | | 8/28/2018 |
| Unknown | 510 | ug/Kg | | 8/28/2018 |
| Unknown Alkane | 655 | ug/Kg | | 8/28/2018 |
| Total Reported TICS | 18100 | ug/Kg | | 8/28/2018 |

Method Reference(s): EPA 8260C
EPA 5035A - L

Tentatively Identified Compound results are estimated values, based on Internal Standard response factors.

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Report Prepared Friday, August 31, 2018



Lab Project ID: 183775

Client: **BE3**

Project Reference: 31 + 150 Tonawanda St

Sample Identifier: BH-2 (19-20)

Lab Sample ID: 183775-02

Date Sampled: 8/16/2018

Matrix: Soil

Date Received: 8/17/2018

Semi-Volatile Tentatively Identified Compounds

| <u>Tentatively Identified Compound</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|---|----------------------|---------------------|-------------------------|-----------------------------|
| Unknown | 3080 | ug/Kg | B | 8/23/2018 |
| Unknown Aromatic | 261 | ug/Kg | | 8/23/2018 |
| Unknown PAH | 1010 | ug/Kg | | 8/23/2018 |
| N,N-Dimethylnaphthalene | 363 | ug/Kg | | 8/23/2018 |
| N,N-Dimethylnaphthalene | 431 | ug/Kg | | 8/23/2018 |
| Unknown | 242 | ug/Kg | | 8/23/2018 |
| Unknown Alkane | 331 | ug/Kg | | 8/23/2018 |
| Unknown | 240 | ug/Kg | | 8/23/2018 |
| Unknown | 880 | ug/Kg | | 8/23/2018 |
| Unknown Alkane | 295 | ug/Kg | | 8/23/2018 |
| Total Reported TICS | 7120 | ug/Kg | | 8/23/2018 |

Method Reference(s): EPA 8270D

EPA 3546

Preparation Date: 8/22/2018

Tentatively Identified Compound results are estimated values, based on Internal Standard response factors.

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Report Prepared Friday, August 31, 2018



Lab Project ID: 183775

Client: BE3

Project Reference: 31 + 150 Tonawanda St

Sample Identifier: BH-2 (19-20)

Lab Sample ID: 183775-02

Date Sampled: 8/16/2018

Matrix: Soil

Date Received: 8/17/2018

Volatile Tentatively Identified Compounds

| <u>Tentatively Identified Compound</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|---|----------------------|---------------------|-------------------------|-----------------------------|
| Unknown Aromatic | 350 | ug/Kg | | 8/29/2018 |
| Total Reported TICS | 350 | ug/Kg | | 8/29/2018 |

Method Reference(s): EPA 8260C
EPA 5035A - L

Tentatively Identified Compound results are estimated values, based on Internal Standard response factors.

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Report Prepared Friday, August 31, 2018



Lab Project ID: 183775

Client: **BE3**

Project Reference: 31 + 150 Tonawanda St

Sample Identifier: BH-1 (0-3)

Lab Sample ID: 183775-03

Date Sampled: 8/16/2018

Matrix: Soil

Date Received: 8/17/2018

Semi-Volatile Tentatively Identified Compounds

| <u>Tentatively Identified Compound</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|---|----------------------|---------------------|-------------------------|-----------------------------|
| Unknown | 8040 | ug/Kg | B | 8/23/2018 |
| Unknown PAH | 1380 | ug/Kg | | 8/23/2018 |
| Unknown PAH | 2260 | ug/Kg | | 8/23/2018 |
| 9,10-Anthracenedione | 3090 | ug/Kg | | 8/23/2018 |
| Unknown PAH | 1710 | ug/Kg | | 8/23/2018 |
| 7H-Benz[de]anthracen-7-one | 1820 | ug/Kg | | 8/23/2018 |
| Benzo[b]naphtho[n,n-d]thiophene | 1600 | ug/Kg | | 8/23/2018 |
| Unknown PAH | 1770 | ug/Kg | | 8/23/2018 |
| Unknown | 2290 | ug/Kg | | 8/23/2018 |
| Unknown PAH | 1290 | ug/Kg | | 8/23/2018 |
| Unknown Benzocarbazole | 1360 | ug/Kg | | 8/23/2018 |
| Unknown PAH | 1610 | ug/Kg | | 8/23/2018 |
| Unknown | 1440 | ug/Kg | | 8/23/2018 |
| Unknown Ketone | 2000 | ug/Kg | | 8/23/2018 |
| Unknown PAH | 2480 | ug/Kg | | 8/23/2018 |
| Unknown PAH | 3900 | ug/Kg | | 8/23/2018 |
| Unknown | 1910 | ug/Kg | | 8/23/2018 |
| Unknown | 1480 | ug/Kg | | 8/23/2018 |
| Total Reported TICS | 41400 | ug/Kg | | 8/23/2018 |

Method Reference(s): EPA 8270D

EPA 3546

Preparation Date: 8/22/2018

Tentatively Identified Compound results are estimated values, based on Internal Standard response factors.

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Report Prepared Friday, August 31, 2018



Lab Project ID: 183775

Client: **BE3**

Project Reference: 31 + 150 Tonawanda St

Sample Identifier: BH-1 (0-3)

Lab Sample ID: 183775-03

Matrix: Soil

Date Sampled: 8/16/2018

Date Received: 8/17/2018

Volatile Tentatively Identified Compounds

| <u>Tentatively Identified Compound</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|---|----------------------|---------------------|-------------------------|-----------------------------|
| Unknown | 17.0 | ug/Kg | | 8/27/2018 |
| Unknown Alkane | 11.8 | ug/Kg | | 8/27/2018 |
| Unknown Alkane | 11.7 | ug/Kg | | 8/27/2018 |
| Unknown Alkane | 16.2 | ug/Kg | | 8/27/2018 |
| Unknown Alkane | 22.0 | ug/Kg | | 8/27/2018 |
| Unknown Alkane | 12.8 | ug/Kg | | 8/27/2018 |
| Total Reported TICS | 91.4 | ug/Kg | | 8/27/2018 |

Method Reference(s): EPA 8260C
EPA 5035A - L

Tentatively Identified Compound results are estimated values, based on Internal Standard response factors.

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Report Prepared Friday, August 31, 2018



Lab Project ID: 183775

Client: **BE3**

Project Reference: 31 + 150 Tonawanda St

Sample Identifier: BH-1 (13.5-15)

Lab Sample ID: 183775-04

Date Sampled: 8/16/2018

Matrix: Soil

Date Received: 8/17/2018

Semi-Volatile Tentatively Identified Compounds

| <u>Tentatively Identified Compound</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|---|----------------------|---------------------|-------------------------|-----------------------------|
| Unknown | 3500 | ug/Kg | B | 8/23/2018 |
| Unknown Alkane | 636 | ug/Kg | | 8/23/2018 |
| Unknown Alkane | 620 | ug/Kg | | 8/23/2018 |
| Unknown | 1530 | ug/Kg | | 8/23/2018 |
| Unknown PAH | 585 | ug/Kg | | 8/23/2018 |
| Unknown | 889 | ug/Kg | | 8/23/2018 |
| Unknown | 583 | ug/Kg | | 8/23/2018 |
| Unknown PAH | 650 | ug/Kg | | 8/23/2018 |
| Sulfur | 4290 | ug/Kg | | 8/23/2018 |
| Unknown PAH | 671 | ug/Kg | | 8/23/2018 |
| Unknown Alkane | 672 | ug/Kg | | 8/23/2018 |
| Unknown | 587 | ug/Kg | | 8/23/2018 |
| Unknown | 591 | ug/Kg | | 8/23/2018 |
| Unknown PAH | 709 | ug/Kg | | 8/23/2018 |
| Unknown | 1100 | ug/Kg | | 8/23/2018 |
| Unknown | 1090 | ug/Kg | | 8/23/2018 |
| Unknown | 722 | ug/Kg | | 8/23/2018 |
| Unknown | 959 | ug/Kg | | 8/23/2018 |
| Unknown | 845 | ug/Kg | | 8/23/2018 |
| Unknown | 774 | ug/Kg | | 8/23/2018 |
| Total Reported TICS | 22000 | ug/Kg | | 8/23/2018 |

Method Reference(s): EPA 8270D

EPA 3546

Preparation Date: 8/22/2018

Tentatively Identified Compound results are estimated values, based on Internal Standard response factors.

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Report Prepared Friday, August 31, 2018



Lab Project ID: 183775

Client: **BE3**

Project Reference: 31 + 150 Tonawanda St

Sample Identifier: BH-1 (13.5-15)

Lab Sample ID: 183775-04

Date Sampled: 8/16/2018

Matrix: Soil

Date Received: 8/17/2018

Volatile Tentatively Identified Compounds

| <u>Tentatively Identified Compound</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|---|----------------------|---------------------|-------------------------|-----------------------------|
| None Found | < 8240 | ug/Kg | | 8/30/2018 |
| Total Reported TICS | < 8240 | ug/Kg | | 8/30/2018 |

Method Reference(s): EPA 8260C
EPA 5035A - H

Tentatively Identified Compound results are estimated values, based on Internal Standard response factors.

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Report Prepared Friday, August 31, 2018



Lab Project ID: 183775

Client: **BE3**

Project Reference: 31 + 150 Tonawanda St

Sample Identifier: BH-3S (12-13.5)

Lab Sample ID: 183775-05

Date Sampled: 8/16/2018

Matrix: Soil

Date Received: 8/17/2018

Semi-Volatile Tentatively Identified Compounds

| <u>Tentatively Identified Compound</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|---|----------------------|---------------------|-------------------------|-----------------------------|
| Unknown | 5910 | ug/Kg | B | 8/23/2018 |
| Unknown Alkane | 3680 | ug/Kg | | 8/23/2018 |
| Unknown | 4700 | ug/Kg | | 8/23/2018 |
| Unknown | 1500 | ug/Kg | | 8/23/2018 |
| Unknown Alkane | 1680 | ug/Kg | | 8/23/2018 |
| Unknown PAH | 1840 | ug/Kg | | 8/23/2018 |
| Unknown PAH | 2110 | ug/Kg | | 8/23/2018 |
| Unknown PAH | 3630 | ug/Kg | | 8/23/2018 |
| Unknown | 1690 | ug/Kg | | 8/23/2018 |
| Unknown | 1630 | ug/Kg | | 8/23/2018 |
| Unknown PAH | 2040 | ug/Kg | | 8/23/2018 |
| Unknown PAH | 3020 | ug/Kg | | 8/23/2018 |
| Sulfur | 7940 | ug/Kg | | 8/23/2018 |
| Unknown | 2150 | ug/Kg | | 8/23/2018 |
| Unknown PAH | 2190 | ug/Kg | | 8/23/2018 |
| Unknown PAH | 2610 | ug/Kg | | 8/23/2018 |
| Unknown PAH | 1780 | ug/Kg | | 8/23/2018 |
| Unknown | 1450 | ug/Kg | | 8/23/2018 |
| Unknown | 1470 | ug/Kg | | 8/23/2018 |
| Total Reported TICS | 53000 | ug/Kg | | 8/23/2018 |

Method Reference(s): EPA 8270D

EPA 3546

Preparation Date: 8/22/2018

Date:

Tentatively Identified Compound results are estimated values, based on Internal Standard response factors.

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Friday, August 31, 2018



Lab Project ID: 183775

Client: **BE3**

Project Reference: 31 + 150 Tonawanda St

Sample Identifier: BH-3S (12-13.5)

Lab Sample ID: 183775-05

Date Sampled: 8/16/2018

Matrix: Soil

Date Received: 8/17/2018

Volatile Tentatively Identified Compounds

| <u>Tentatively Identified Compound</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|---|----------------------|---------------------|-------------------------|-----------------------------|
| Unknown Cyclohexane | 36.5 | ug/Kg | | 8/28/2018 |
| Unknown | 43.4 | ug/Kg | | 8/28/2018 |
| Unknown Aromatic | 44.1 | ug/Kg | | 8/28/2018 |
| Unknown Alkane | 33.3 | ug/Kg | | 8/28/2018 |
| Unknown | 40.2 | ug/Kg | | 8/28/2018 |
| Unknown Aromatic | 65.0 | ug/Kg | | 8/28/2018 |
| Unknown | 47.6 | ug/Kg | | 8/28/2018 |
| Unknown | 49.7 | ug/Kg | | 8/28/2018 |
| Unknown Aromatic | 58.2 | ug/Kg | | 8/28/2018 |
| Unknown | 92.2 | ug/Kg | | 8/28/2018 |
| Unknown Aromatic | 34.6 | ug/Kg | | 8/28/2018 |
| Unknown Alkane | 54.7 | ug/Kg | | 8/28/2018 |
| Unknown Aromatic | 36.3 | ug/Kg | | 8/28/2018 |
| Unknown Alkane | 79.5 | ug/Kg | | 8/28/2018 |
| Unknown | 39.3 | ug/Kg | | 8/28/2018 |
| Unknown | 64.8 | ug/Kg | | 8/28/2018 |
| Unknown | 33.4 | ug/Kg | | 8/28/2018 |
| Unknown | 32.2 | ug/Kg | | 8/28/2018 |
| Unknown Alkane | 60.9 | ug/Kg | | 8/28/2018 |
| Unknown Naphthalene | 209 | ug/Kg | | 8/28/2018 |
| Total Reported TICS | 1160 | ug/Kg | | 8/28/2018 |

Method Reference(s): EPA 8260C
EPA 5035A - L

Tentatively Identified Compound results are estimated values, based on Internal Standard response factors.

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Report Prepared Friday, August 31, 2018



Lab Project ID: 183775

Client: **BE3**

Project Reference: 31 + 150 Tonawanda St

Sample Identifier: BH-5 (4-6)

Lab Sample ID: 183775-06

Date Sampled: 8/16/2018

Matrix: Soil

Date Received: 8/17/2018

Semi-Volatile Tentatively Identified Compounds

| <u>Tentatively Identified Compound</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|---|----------------------|---------------------|-------------------------|-----------------------------|
| Unknown Aromatic | 11900 | ug/Kg | | 8/23/2018 |
| Unknown Xylene | 35600 | ug/Kg | | 8/23/2018 |
| Unknown Xylene | 8460 | ug/Kg | | 8/23/2018 |
| 1-Ethyl-n-methylbenzene | 4850 | ug/Kg | | 8/23/2018 |
| N,N,N-Trimethylbenzene | 6560 | ug/Kg | | 8/23/2018 |
| N,N,N-Trimethylbenzene | 8590 | ug/Kg | | 8/23/2018 |
| Transdecahydronaphthalene | 7990 | ug/Kg | | 8/23/2018 |
| Dodecane | 5170 | ug/Kg | | 8/23/2018 |
| Unknown Alkane | 4940 | ug/Kg | | 8/23/2018 |
| Unknown Alkane | 6240 | ug/Kg | | 8/23/2018 |
| Unknown Cyclohexane | 7750 | ug/Kg | | 8/23/2018 |
| N,N-Dimethylnaphthalene | 5000 | ug/Kg | | 8/23/2018 |
| Unknown | 7090 | ug/Kg | | 8/23/2018 |
| Unknown Cyclohexane | 7210 | ug/Kg | | 8/23/2018 |
| Unknown Alkane | 8960 | ug/Kg | | 8/23/2018 |
| Unknown | 7230 | ug/Kg | | 8/23/2018 |
| Unknown | 5550 | ug/Kg | | 8/23/2018 |
| Unknown Pentadecane | 15700 | ug/Kg | | 8/23/2018 |
| Unknown Alkane | 6690 | ug/Kg | | 8/23/2018 |
| Sulfur | 6060 | ug/Kg | | 8/23/2018 |
| Total Reported TICS | 178000 | ug/Kg | | 8/23/2018 |

Method Reference(s): EPA 8270D

EPA 3546

Preparation Date: 8/22/2018

Tentatively Identified Compound results are estimated values, based on Internal Standard response factors.

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Friday, August 31, 2018



Lab Project ID: 183775

Client: **BE3**

Project Reference: 31 + 150 Tonawanda St

Sample Identifier: BH-5 (4-6)

Lab Sample ID: 183775-06

Date Sampled: 8/16/2018

Matrix: Soil

Date Received: 8/17/2018

Volatile Tentatively Identified Compounds

| <u>Tentatively Identified Compound</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|---|----------------------|---------------------|-------------------------|-----------------------------|
| Unknown Alkane | 65300 | ug/Kg | | 8/29/2018 |
| Propylcyclohexane | 188000 | ug/Kg | | 8/29/2018 |
| Unknown | 70600 | ug/Kg | | 8/29/2018 |
| Unknown Aromatic | 113000 | ug/Kg | | 8/29/2018 |
| Unknown Aromatic | 76800 | ug/Kg | | 8/29/2018 |
| Butylcyclohexane | 90600 | ug/Kg | | 8/29/2018 |
| Unknown Aromatic | 88900 | ug/Kg | | 8/29/2018 |
| Unknown | 77900 | ug/Kg | | 8/29/2018 |
| Unknown Aromatic | 68100 | ug/Kg | | 8/29/2018 |
| Unknown | 57000 | ug/Kg | | 8/29/2018 |
| Unknown | 121000 | ug/Kg | | 8/29/2018 |
| Unknown Cyclohexane | 66300 | ug/Kg | | 8/29/2018 |
| Unknown Aromatic | 54900 | ug/Kg | | 8/29/2018 |
| Unknown Aromatic | 157000 | ug/Kg | | 8/29/2018 |
| Unknown Aromatic | 156000 | ug/Kg | | 8/29/2018 |
| Unknown | 83100 | ug/Kg | | 8/29/2018 |
| Unknown | 57400 | ug/Kg | | 8/29/2018 |
| Unknown | 53300 | ug/Kg | | 8/29/2018 |
| Unknown Naphthalene | 81000 | ug/Kg | | 8/29/2018 |
| Unknown Naphthalene | 67900 | ug/Kg | | 8/29/2018 |
| Total Reported TICS | 1790000 | ug/Kg | | 8/29/2018 |

Method Reference(s): EPA 8260C
EPA 5035A - H

Tentatively Identified Compound results are estimated values, based on Internal Standard response factors.

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Friday, August 31, 2018



Lab Project ID: 183775

Client: **BE3**

Project Reference: 31 + 150 Tonawanda St

Sample Identifier: BH-4 (11.5-12)

Lab Sample ID: 183775-07

Date Sampled: 8/16/2018

Matrix: Soil

Date Received: 8/17/2018

Semi-Volatile Tentatively Identified Compounds

| <u>Tentatively Identified Compound</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|---|----------------------|---------------------|-------------------------|-----------------------------|
| Unknown | 4670 | ug/Kg | B | 8/23/2018 |
| Unknown Aromatic | 936 | ug/Kg | | 8/23/2018 |
| Unknown Xylene | 2230 | ug/Kg | | 8/23/2018 |
| Unknown Xylene | 618 | ug/Kg | | 8/23/2018 |
| Unknown Aromatic | 1100 | ug/Kg | | 8/23/2018 |
| N,N,N-Trimethylbenzene | 627 | ug/Kg | | 8/23/2018 |
| Unknown | 822 | ug/Kg | | 8/23/2018 |
| Unknown | 2480 | ug/Kg | | 8/23/2018 |
| Sulfur | 5730 | ug/Kg | | 8/23/2018 |
| Unknown | 1240 | ug/Kg | | 8/23/2018 |
| Unknown Alkane | 577 | ug/Kg | | 8/23/2018 |
| Unknown | 1330 | ug/Kg | | 8/23/2018 |
| Unknown Alkane | 870 | ug/Kg | | 8/23/2018 |
| Unknown | 826 | ug/Kg | | 8/23/2018 |
| Unknown | 789 | ug/Kg | | 8/23/2018 |
| Unknown | 584 | ug/Kg | | 8/23/2018 |
| Unknown | 1410 | ug/Kg | | 8/23/2018 |
| Unknown | 909 | ug/Kg | | 8/23/2018 |
| Unknown | 862 | ug/Kg | | 8/23/2018 |
| Unknown | 659 | ug/Kg | | 8/23/2018 |
| Total Reported TICS | 29300 | ug/Kg | | 8/23/2018 |

Method Reference(s): EPA 8270D

EPA 3546

Preparation Date: 8/22/2018

Tentatively Identified Compound results are estimated values, based on Internal Standard response factors.

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Friday, August 31, 2018



Lab Project ID: 183775

Client: **BE3**

Project Reference: 31 + 150 Tonawanda St

Sample Identifier: BH-4 (11.5-12)

Lab Sample ID: 183775-07

Date Sampled: 8/16/2018

Matrix: Soil

Date Received: 8/17/2018

Volatile Tentatively Identified Compounds

| <u>Tentatively Identified Compound</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|---|----------------------|---------------------|-------------------------|-----------------------------|
| 2,3-dimethylpentane | 17.8 | ug/Kg | | 8/28/2018 |
| Unknown Cyclopentane | 52.5 | ug/Kg | | 8/28/2018 |
| Unknown Cyclopentane | 19.0 | ug/Kg | | 8/28/2018 |
| Unknown | 17.3 | ug/Kg | | 8/28/2018 |
| Unknown | 32.3 | ug/Kg | | 8/28/2018 |
| Unknown | 35.4 | ug/Kg | | 8/28/2018 |
| Unknown Cyclohexane | 92.1 | ug/Kg | | 8/28/2018 |
| Unknown Cyclohexane | 44.4 | ug/Kg | | 8/28/2018 |
| Unknown | 20.3 | ug/Kg | | 8/28/2018 |
| Unknown | 17.7 | ug/Kg | | 8/28/2018 |
| Unknown Alkane | 17.0 | ug/Kg | | 8/28/2018 |
| Unknown Cyclohexane | 26.1 | ug/Kg | | 8/28/2018 |
| Unknown Cyclohexane | 45.1 | ug/Kg | | 8/28/2018 |
| Unknown Cyclohexane | 37.9 | ug/Kg | | 8/28/2018 |
| Unknown Cyclohexane | 47.0 | ug/Kg | | 8/28/2018 |
| Unknown | 21.2 | ug/Kg | | 8/28/2018 |
| Unknown Cyclohexane | 56.8 | ug/Kg | | 8/28/2018 |
| Unknown Cyclohexane | 24.2 | ug/Kg | | 8/28/2018 |
| Unknown | 40.7 | ug/Kg | | 8/28/2018 |
| Unknown | 26.6 | ug/Kg | | 8/28/2018 |
| Total Reported TICS | 691 | ug/Kg | | 8/28/2018 |

Method Reference(s): EPA 8260C
EPA 5035A - L

Tentatively Identified Compound results are estimated values, based on Internal Standard response factors.

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Report Prepared Friday, August 31, 2018



Lab Project ID: 183775

Client: **BE3**

Project Reference: 31 + 150 Tonawanda St

Sample Identifier: BH-4 (0-1)

Lab Sample ID: 183775-08

Date Sampled: 8/16/2018

Matrix: Soil

Date Received: 8/17/2018

Semi-Volatile Tentatively Identified Compounds

| <u>Tentatively Identified Compound</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|---|----------------------|---------------------|-------------------------|-----------------------------|
| Unknown | 3050 | ug/Kg | B | 8/23/2018 |
| Unknown PAH | 1160 | ug/Kg | | 8/23/2018 |
| Unknown | 2150 | ug/Kg | | 8/23/2018 |
| Unknown PAH | 1560 | ug/Kg | | 8/23/2018 |
| Sulfur | 1910 | ug/Kg | | 8/23/2018 |
| Unknown PAH | 1900 | ug/Kg | | 8/23/2018 |
| Unknown PAH | 1340 | ug/Kg | | 8/23/2018 |
| 7H-Benz[de]anthracen-7-one | 947 | ug/Kg | | 8/23/2018 |
| Benzo[b]naphtho[n,n-d]thiophene | 1080 | ug/Kg | | 8/23/2018 |
| Unknown | 1250 | ug/Kg | | 8/23/2018 |
| Benzo[b]naphtho[n,n-d]thiophene | 898 | ug/Kg | | 8/23/2018 |
| Unknown | 1360 | ug/Kg | | 8/23/2018 |
| Unknown PAH | 1340 | ug/Kg | | 8/23/2018 |
| Unknown | 1100 | ug/Kg | | 8/23/2018 |
| Unknown | 1280 | ug/Kg | | 8/23/2018 |
| Unknown PAH | 1550 | ug/Kg | | 8/23/2018 |
| Unknown PAH | 2660 | ug/Kg | | 8/23/2018 |
| Unknown PAH | 874 | ug/Kg | | 8/23/2018 |
| Unknown PAH | 1010 | ug/Kg | | 8/23/2018 |
| Unknown PAH | 941 | ug/Kg | | 8/23/2018 |
| Total Reported TICS | 29400 | ug/Kg | | 8/23/2018 |

Method Reference(s): EPA 8270D

EPA 3546

Preparation Date: 8/22/2018

Tentatively Identified Compound results are estimated values, based on Internal Standard response factors.

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Report Prepared Friday, August 31, 2018



Lab Project ID: 183775

Client: **BE3**

Project Reference: 31 + 150 Tonawanda St

Sample Identifier: BH-5 (0-2)

Lab Sample ID: 183775-09

Date Sampled: 8/16/2018

Matrix: Soil

Date Received: 8/17/2018

Semi-Volatile Tentatively Identified Compounds

| <u>Tentatively Identified Compound</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|---|----------------------|---------------------|-------------------------|-----------------------------|
| Unknown | 19700 | ug/Kg | B | 8/23/2018 |
| Unknown Aromatic | 300 | ug/Kg | | 8/23/2018 |
| 9,10-Anthracenedione | 332 | ug/Kg | | 8/23/2018 |
| Unknown | 271 | ug/Kg | | 8/23/2018 |
| Unknown | 448 | ug/Kg | | 8/23/2018 |
| Unknown PAH | 553 | ug/Kg | | 8/23/2018 |
| Unknown PAH | 678 | ug/Kg | | 8/23/2018 |
| Unknown | 398 | ug/Kg | | 8/23/2018 |
| Total Reported TICS | 22700 | ug/Kg | | 8/23/2018 |

Method Reference(s): EPA 8270D

EPA 3546

Preparation Date: 8/22/2018

Date:

Tentatively Identified Compound results are estimated values, based on Internal Standard response factors.

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Report Prepared Friday, August 31, 2018



Lab Project ID: 183775

Client: **BE3**

Project Reference: 31 + 150 Tonawanda St

Sample Identifier: BH-6 (0-2)

Lab Sample ID: 183775-10

Date Sampled: 8/16/2018

Matrix: Soil

Date Received: 8/17/2018

Semi-Volatile Tentatively Identified Compounds

| <u>Tentatively Identified Compound</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|---|----------------------|---------------------|-------------------------|-----------------------------|
| Unknown | 4030 | ug/Kg | B | 8/23/2018 |
| Unknown PAH | 300 | ug/Kg | | 8/23/2018 |
| Unknown Organic Acid | 298 | ug/Kg | | 8/23/2018 |
| Unknown Alkane | 450 | ug/Kg | | 8/23/2018 |
| Unknown | 1150 | ug/Kg | | 8/23/2018 |
| Unknown | 275 | ug/Kg | | 8/23/2018 |
| Unknown PAH | 382 | ug/Kg | | 8/23/2018 |
| Unknown Alkane | 766 | ug/Kg | | 8/23/2018 |
| Unknown PAH | 323 | ug/Kg | | 8/23/2018 |
| Unknown | 270 | ug/Kg | | 8/23/2018 |
| Unknown | 306 | ug/Kg | | 8/23/2018 |
| Unknown Alkane | 653 | ug/Kg | | 8/23/2018 |
| Unknown | 548 | ug/Kg | | 8/23/2018 |
| Unknown | 457 | ug/Kg | | 8/23/2018 |
| Unknown PAH | 463 | ug/Kg | | 8/23/2018 |
| Unknown | 296 | ug/Kg | | 8/23/2018 |
| Unknown | 563 | ug/Kg | | 8/23/2018 |
| Unknown | 375 | ug/Kg | | 8/23/2018 |
| Unknown | 406 | ug/Kg | | 8/23/2018 |
| Unknown | 450 | ug/Kg | | 8/23/2018 |
| Total Reported TICS | 12800 | ug/Kg | | 8/23/2018 |

Method Reference(s): EPA 8270D

EPA 3546

Preparation Date: 8/22/2018

Tentatively Identified Compound results are estimated values, based on Internal Standard response factors.

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Report Prepared Friday, August 31, 2018



Method Blank Report

Client: **BE3**
Project Reference: 31 + 150 Tonawanda St
Lab Project ID: 183775
SDG #: 3775-01
Matrix: Soil

Semi-Volatile Tentatively Identified Compounds

| <u>Analyte</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|----------------------|---------------|--------------|------------------|----------------------|
| Unknown | 2410 | ug/Kg | | 8/24/2018 |
| Method Reference(s): | EPA 8270D | | | |
| | EPA 3546 | | | |
| Preparation Date: | 8/22/2018 | | | |
| QC Batch ID: | QC180822STICS | | | |
| QC Number: | 1 | | | |

Tentatively Identified Compound results are estimated values, based on Internal Standard response factors.



Analytical Report Appendix

The reported results relate only to the samples as they have been received by the laboratory.

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All soil/sludge samples have been reported on a dry weight basis, unless qualified "reported as received". Other solids are reported as received.

Low level Volatiles blank reports for soil/solid matrix are based on a nominal 5 gram weight. Sample results and reporting limits are based on actual weight, which may be more or less than 5 grams.

The Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt. Sample condition requirements are defined under the 2003 NELAC Standard, sections 5.5.8.3.1 and 5.5.8.3.2.

NYSDOH ELAP does not certify for all parameters. Paradigm Environmental Services or the indicated subcontracted laboratory does hold certification for all analytes where certification is offered by ELAP unless otherwise specified. Aliquots separated for certain tests, such as TCLP, are indicated on the Chain of Custody and final reports with an "A" suffix.

Data qualifiers are used, when necessary, to provide additional information about the data. This information may be communicated as a flag or as text at the bottom of the report. Please refer to the following list of analyte-specific, frequently used data flags and their meaning:

"<" = Analyzed for but not detected at or above the quantitation limit.

"E" = Result has been estimated, calibration limit exceeded.

"Z" = See case narrative.

"D" = Sample, Laboratory Control Sample, or Matrix Spike Duplicate results above Relative Percent Difference limit.

"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.

"B" = Method blank contained trace levels of analyte. Refer to included method blank report.

"J" = Result estimated between the quantitation limit and half the quantitation limit.

"L" = Laboratory Control Sample recovery outside accepted QC limits.

"P" = Concentration differs by more than 40% between the primary and secondary analytical columns.

"NC" = Not calculable. Applicable to RPD if sample or duplicate result is non-detect or estimated (see primary report for data flags). Applicable to MS if sample is greater or equal to ten times the spike added. Applicable to sample surrogates or MS if sample dilution is 10x or higher.

"" = Indicates any recoveries outside associated acceptance windows. Surrogate outliers in samples are presumed matrix effects. LCS demonstrates method compliance unless otherwise noted.*

"(1)" = Indicates data from primary column used for QC calculation.

"A" = denotes a parameter for which ELAP does not offer approval as part of their laboratory certification program.

"F" = denotes a parameter for which Paradigm does not carry certification, the results for which should therefore only be used where ELAP certification is not required, such as personal exposure assessment.

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Report Prepared Thursday, April 26, 2018

GENERAL TERMS AND CONDITIONS

LABORATORY SERVICES

These Terms and Conditions embody the whole agreement of the parties in the absence of a signed and executed contract between the Laboratory (LAB) and Client. They shall supersede all previous communications, representations, or agreements, either verbal or written, between the parties. The LAB specifically rejects all additional, inconsistent, or conflicting terms, whether printed or otherwise set forth in any purchase order or other communication from the Client to the LAB. The invalidity or unenforceability in whole or in part of any provision, term or condition hereof shall not affect in any way the validity or enforceability of the remainder of the Terms and Conditions. No waiver by LAB of any provision, term, or condition hereof or of any breach by or obligation of the Client hereunder shall constitute a waiver of such provision, term, or condition on any other occasion or a waiver of any other breach by or obligation of the Client. This agreement shall be administered and interpreted under the laws of the state which services are procured.

Warranty.

Recognizing that the nature of many samples is unknown and that some may contain potentially hazardous components, LAB warrants only that it will perform testing services, obtain findings, and prepare reports in accordance with generally accepted analytical laboratory principles and practices at the time of performance of services. LAB makes no other warranty, express or implied.

Scope and Compensation.

LAB agrees to perform the services described in the chain of custody to which these terms and conditions are attached. Unless the parties agree in writing to the contrary, the duties of LAB shall not be construed to exceed the services specifically described. LAB will use LAB default method for all tests unless specified otherwise on the Work Order.

Payment terms are net 30 days from the date of invoice. All overdue payments are subject to an interest charge of one and one-half percent (1-1/2%) per month or a portion thereof. Client shall also be responsible for costs of collection, including payment of reasonable attorney fees if such expense is incurred. The prices, unless stated, do not include any sale, use or other taxes. Such taxes will be added to invoice prices when required.

Prices.

Compensation for services performed will be based on the current Lab Analytical Fee Schedule or on quotations agreed to in writing by the parties. Turnaround time based charges are determined from the time of resolution of all work order questions. Testimony, court appearances or data compilation for legal action will be charged separately. Evaluation and reporting of initial screening runs may incur additional fees.

Limitations of Liability.

In the event of any error, omission, or other professional negligence, the sole and exclusive responsibility of LAB shall be to re-perform the deficient work at its own expense and LAB shall have no other liability whatsoever. All claims shall be deemed waived unless made in writing and received by LAB within ninety (90) days following completion of services.

LAB shall have no liability, obligation, or responsibility of any kind for losses, costs, expenses, or other damages (including but not limited to any special, direct, incidental or consequential damages) with respect to LAB's services or results.

All results provided by LAB are strictly for the use of its clients and LAB is in no way responsible for the use of such results by clients or third parties. All reports should be considered in their entirety, and LAB is not responsible for the separation, detachment, or other use of any portion of these reports. Client may not assign the lab report without the written consent of the LAB.

Client covenants and agrees, at its/his/her sole expense, to indemnify, protect, defend, and save harmless the LAB from and against any and all damages, losses, liabilities, obligations, penalties, claims, litigation, demands, defenses, judgments, suits, actions, proceedings, costs, disbursements and/or expenses (including, without limitation attorneys' and experts' fees and disbursements) of any kind whatsoever which may at any time be imposed upon, incurred by or asserted or awarded against client relating to, resulting from or arising out of (a) the breach of this agreement by this client, (b) the negligence of the client in handling, delivering or disclosing any hazardous substance, (c) the violation of the Client of any applicable law, (d) non-compliance by the Client with any environmental permit or (e) a material misrepresentation in disclosing the materials to be tested.

Hazard Disclosure.

Client represents and warrants that any sample delivered to LAB will be preceded or accompanied by complete written disclosure of the presence of any hazardous substances known or suspected by Client. Client further warrants that any sample containing any hazardous substance that is to be delivered to LAB will be packaged, labeled, transported, and delivered properly and in accordance with applicable laws.

Sample Handling.

Prior to LAB's acceptance of any sample (or after any revocation of acceptance), the entire risk of loss or of damage to such sample remains with Client. Samples are accepted when receipt is acknowledged on chain of custody documentation. In no event will LAB have any responsibility for the action or inaction of any carrier shipping or delivering any sample to or from LAB premises.

Client authorizes LAB to proceed with the analysis of samples as received by the laboratory, recognizing that any samples not in compliance with all current DOH-ELAP-NELAP requirements for containers, preservation or holding time will be noted as such on the final report.

Disposal of hazardous waste samples is the responsibility of the Client. If the Client does not wish such samples returned, LAB may add storage and disposal fees to the final invoice. Maximum storage time for samples is 30 days after completion of analysis unless modified by applicable state or federal laws. Client will be required to give the LAB written instructions concerning disposal of these samples.

LAB reserves the absolute right, exercisable at any time, to refuse to receive delivery of, refuse to accept, or revoke acceptance of any sample, which, in the sole judgment of LAB (a) is of unsuitable volume, (b) may be or become unsuitable for or may pose a risk in handling, transport, or processing for any health, safety, environmental or other reason whether or not due to the presence in the sample of any hazardous substance, and whether or not such presence has been disclosed to LAB by Client or (c) if the condition or sample date make the sample unsuitable for analysis.

Legal Responsibility.

LAB is solely responsible for performance of this contract, and no affiliated company, director, officer, employee, or agent shall have any legal responsibility hereunder, whether in contract or tort including negligence.

Assignment.

LAB may assign its performance obligations under this contract to other parties, as it deems necessary. LAB shall disclose to Client any assignee (subcontractor) by ELAP ID # on the submitted final report.

Force Majeure.

LAB shall have no responsibility or liability to the Client for any failure or delay in performance by LAB, which results in whole or in part from any cause or circumstance beyond the reasonable control of LAB. Such causes and circumstances shall include, but not limited to, acts of God, acts or orders of any government authority, strikes or other labor disputes, natural disasters, accidents, wars, civil disturbances, difficulties or delays in transportation, mail or delivery services, inability to obtain sufficient services or supplies from LAB's usual suppliers, or any other cause beyond LAB's reasonable control.

Law.

This contract shall be continued under the laws of the State of New York without regard to its conflicts of laws provision.

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Thursday, April 26, 2018

CHAIN OF CUSTODY

1 of 1

PARADIGM
INTEGRATED ANALYTICAL

REPORT TO:

INVOICE TO:

CLIENT:

BES/Paradigm

CLIENT:

SAME

LAB PROJECT ID

183775

ADDRESS:

1270 Niagara St

ADDRESS:

183775

CITY:

Buffalo

CITY:

183775

STATE:

NY

STATE:

183775

ZIP:

14213

ZIP:

183775

PHONE:

716 249-6880

PHONE:

183775

ATTN:

Rete Gordon

ATTN:

183775

Email:

abreuer@bescorp.com

PROJECT REFERENCE

31+150 Tonawanda St

Matrix Codes:

AQ - Aqueous Liquid
NQ - Non-Aqueous LiquidWA - Water
WG - GroundwaterDW - Drinking Water
WW - WastewaterSO - Soil
SL - SludgeSD - Solid
PT - PaintWP - Wipe
CK - CaulkOL - Oil
AR - Air

REQUESTED ANALYSIS

375 VOC+TKS
375 SVOC+TKS
375 Metals
PCB/Pest
T. Cyanide

REMARKS

PARADIGM LAB
SAMPLE
NUMBER

DATE COLLECTED

TIME
COLLECTEDC O M P O S I T E
G R A B

SAMPLE IDENTIFIER

M A C
A O D
R E I
SN O N
U N T
B E A
I R
N E
O R
S

REMARKS

PARADIGM LAB
SAMPLE
NUMBER

8/16/18

1440

X

BH-6 (14-6)

2

X

X

X

X

X

X

X

X

X

X

X

X

X

X

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1155

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BH-2 (19-20)

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X

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X

X

X

X

X

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1300

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BH-2 (10-3)

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X

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X

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X

X

X

X

X

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X

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1310

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BH-2 (13.5-15)

2

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X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

1350

X

BH-5 (12-13.5)

2

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

1350

X

BH-4 (11.5-12)

2

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

1350

X

BH-5 (10-2)

2

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

1130

X

BH-2 (12-13)

2

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

1440

X

BH-6 (10-2)

2

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

| DATE COLLECTED | TIME COLLECTED | C O M P O S I T E G R A B | SAMPLE IDENTIFIER | M A C A O D R E I S | N O N U N T B E A I R N E O R S | REQUESTED ANALYSIS | REMARKS | PARADIGM LAB SAMPLE NUMBER | |
|----------------|----------------|------------------------------|-------------------|------------------------------|---|--------------------|---------|----------------------------------|----|
| 8/16/18 | 1440 | X | BH-6 (14-6) | 2 | X | X | X | X | 01 |
| | 1155 | X | BH-2 (19-20) | 2 | X | X | X | X | 02 |
| | 1300 | X | BH-2 (10-3) | 2 | X | X | X | X | 03 |
| | 1310 | X | BH-2 (13.5-15) | 2 | X | X | X | X | 04 |
| | 1347 | X | BH-35 (12-13.5) | 2 | X | X | X | X | 05 |
| | 1350 | X | BH-5 (14-6) | 2 | X | X | X | X | 06 |
| | 1350 | X | BH-4 (11.5-12) | 2 | X | X | X | X | 07 |
| | 1350 | X | BH-4 (10-2) | 2 | X | X | X | X | 08 |
| | 1130 | X | BH-2 (12-13) | 2 | X | X | X | X | 09 |
| | 1440 | X | BH-6 (10-2) | 2 | X | X | X | X | 10 |

Turnaround Time

Report Supplements

Availability contingent upon lab approval; additional fees may apply.

Standard 5 day

☐

None Required

☐

None Required

☐

10 day

☒

Batch QC

☐

Basic EDD

☐

Rush 3 day

☐

Category A

☐

NYSDEC EDD

☒

Rush 2 day

☐

Category B

☒

Rush 1 day

☐

Other

☐

Other

☐

Other EDD

☐

Please indicate date needed:

Please indicate package needed:

Chain of Custody SupplementClient: BE3Completed by: Glen PezzulloLab Project ID: 183775Date: 8/17/18**Sample Condition Requirements**

Per NELAC/ELAP 210/241/242/243/244

| NELAC compliance with the sample condition requirements upon receipt | | | |
|--|-------------------------------------|--|--|
| Condition | Yes | No | N/A |
| Container Type | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> So3S | <input type="checkbox"/> |
| Comments | | | |
| Transferred to method-compliant container | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Headspace (<1 mL) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Comments | | | |
| Preservation | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Comments | | | |
| Chlorine Absent (<0.10 ppm per test strip) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Comments | | | |
| Holding Time | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Comments | | | |
| Temperature | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> metals |
| Comments | <u>4°C iced 8/17/18 13:43</u> | | |
| Sufficient Sample Quantity | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Comments | | | |



ANALYTICAL REPORT

| | |
|-----------------|---|
| Lab Number: | L1833823 |
| Client: | Paradigm Environmental Services 179 Lake Avenue Rochester, NY 14608 |
| ATTN: | Jane Daloia |
| Phone: | (585) 647-2530 |
| Project Name: | 183775 |
| Project Number: | 183775 |
| Report Date: | 09/04/18 |

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

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



Project Name: 183775

Project Number: 183775

Lab Number: L1833823

Report Date: 09/04/18

| Alpha Sample ID | Client ID | Matrix | Sample Location | Collection Date/Time | Receive Date |
|--------------------|---------------------------|--------|--------------------|-------------------------|--------------|
| L1833823-01 | BH-6 (4-6) 183775-01 | SOIL | Not Specified | 08/16/18 14:40 | 08/27/18 |
| L1833823-02 | BH-2 (19-20) 183775-02 | SOIL | Not Specified | 08/16/18 11:55 | 08/27/18 |
| L1833823-03 | BH-1 (0-3) 183775-03 | SOIL | Not Specified | 08/16/18 13:00 | 08/27/18 |
| L1833823-04 | BH-2 (13.5-15) 183775-04 | SOIL | Not Specified | 08/16/18 13:10 | 08/27/18 |
| L1833823-05 | BH-3S (12-13.5) 183775-05 | SOIL | Not Specified | 08/16/18 10:47 | 08/27/18 |
| L1833823-06 | BH-5 (4-6) 183775-06 | SOIL | Not Specified | 08/16/18 13:50 | 08/27/18 |
| L1833823-07 | BH-4 (11.5-12) 183775-07 | SOIL | Not Specified | 08/16/18 09:30 | 08/27/18 |
| L1833823-08 | BH-4 (0-1) 183775-08 | SOIL | Not Specified | 08/16/18 09:30 | 08/27/18 |
| L1833823-09 | BH-5 (0-2) 183775-09 | SOIL | Not Specified | 08/16/18 13:50 | 08/27/18 |
| L1833823-10 | BH-6 (0-2) 183775-10 | SOIL | Not Specified | 08/16/18 14:40 | 08/27/18 |

Project Name: 183775
Project Number: 183775

Lab Number: L1833823
Report Date: 09/04/18

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

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

HOLD POLICY

For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

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

Project Name: 183775**Lab Number:** L1833823**Project Number:** 183775**Report Date:** 09/04/18**Case Narrative (continued)**

Report Revision

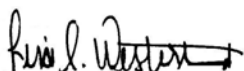
September 04, 2018: At the client's request Total Cyanide, Hexavalent Chromium, and Trivalent Chromium are no longer reported.

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:



Lisa Westerlind

Title: Technical Director/Representative

Date: 09/04/18

METALS

Project Name: 183775

Lab Number: L1833823

Project Number: 183775

Report Date: 09/04/18

SAMPLE RESULTS

Lab ID: L1833823-01

Date Collected: 08/16/18 14:40

Client ID: BH-6 (4-6) 183775-01

Date Received: 08/27/18

Sample Location: Not Specified

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 85%

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Prep Method | Analytical Method | Analyst |
|------------------------------|--------|-----------|-------|-------|-------|--------------------|------------------|------------------|----------------|----------------------|---------|
| Total Metals - Mansfield Lab | | | | | | | | | | | |
| Arsenic, Total | 8.96 | | mg/kg | 0.453 | 0.094 | 1 | 08/30/18 11:28 | 08/30/18 13:40 | EPA 3050B | 1,6010D | PE |
| Barium, Total | 269 | | mg/kg | 0.453 | 0.079 | 1 | 08/30/18 11:28 | 08/30/18 13:40 | EPA 3050B | 1,6010D | PE |
| Beryllium, Total | 0.394 | | mg/kg | 0.226 | 0.015 | 1 | 08/30/18 11:28 | 08/30/18 13:40 | EPA 3050B | 1,6010D | PE |
| Cadmium, Total | 2.55 | | mg/kg | 0.453 | 0.044 | 1 | 08/30/18 11:28 | 08/30/18 13:40 | EPA 3050B | 1,6010D | PE |
| Chromium, Total | 28.1 | | mg/kg | 0.453 | 0.044 | 1 | 08/30/18 11:28 | 08/30/18 13:40 | EPA 3050B | 1,6010D | PE |
| Copper, Total | 1480 | | mg/kg | 0.453 | 0.117 | 1 | 08/30/18 11:28 | 08/30/18 13:40 | EPA 3050B | 1,6010D | PE |
| Lead, Total | 346 | | mg/kg | 2.26 | 0.121 | 1 | 08/30/18 11:28 | 08/30/18 13:40 | EPA 3050B | 1,6010D | PE |
| Manganese, Total | 175 | | mg/kg | 0.453 | 0.072 | 1 | 08/30/18 11:28 | 08/30/18 13:40 | EPA 3050B | 1,6010D | PE |
| Nickel, Total | 16.3 | | mg/kg | 1.13 | 0.110 | 1 | 08/30/18 11:28 | 08/30/18 13:40 | EPA 3050B | 1,6010D | PE |
| Selenium, Total | 1.16 | | mg/kg | 0.906 | 0.117 | 1 | 08/30/18 11:28 | 08/30/18 13:40 | EPA 3050B | 1,6010D | PE |
| Silver, Total | 0.580 | | mg/kg | 0.453 | 0.128 | 1 | 08/30/18 11:28 | 08/30/18 13:40 | EPA 3050B | 1,6010D | PE |
| Zinc, Total | 1350 | | mg/kg | 2.26 | 0.133 | 1 | 08/30/18 11:28 | 08/30/18 13:40 | EPA 3050B | 1,6010D | PE |



Project Name: 183775

Lab Number: L1833823

Project Number: 183775

Report Date: 09/04/18

SAMPLE RESULTS

Lab ID: L1833823-02

Date Collected: 08/16/18 11:55

Client ID: BH-2 (19-20) 183775-02

Date Received: 08/27/18

Sample Location: Not Specified

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 91%

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Prep Method | Analytical Method | Analyst |
|------------------------------|--------|-----------|-------|-------|-------|--------------------|------------------|------------------|----------------|----------------------|---------|
| Total Metals - Mansfield Lab | | | | | | | | | | | |
| Arsenic, Total | 1.33 | | mg/kg | 0.420 | 0.087 | 1 | 08/30/18 11:28 | 08/30/18 13:45 | EPA 3050B | 1,6010D | PE |
| Barium, Total | 26.4 | | mg/kg | 0.420 | 0.073 | 1 | 08/30/18 11:28 | 08/30/18 13:45 | EPA 3050B | 1,6010D | PE |
| Beryllium, Total | 0.138 | J | mg/kg | 0.210 | 0.014 | 1 | 08/30/18 11:28 | 08/30/18 13:45 | EPA 3050B | 1,6010D | PE |
| Cadmium, Total | 0.361 | J | mg/kg | 0.420 | 0.041 | 1 | 08/30/18 11:28 | 08/30/18 13:45 | EPA 3050B | 1,6010D | PE |
| Chromium, Total | 6.50 | | mg/kg | 0.420 | 0.040 | 1 | 08/30/18 11:28 | 08/30/18 13:45 | EPA 3050B | 1,6010D | PE |
| Copper, Total | 14.0 | | mg/kg | 0.420 | 0.108 | 1 | 08/30/18 11:28 | 08/30/18 13:45 | EPA 3050B | 1,6010D | PE |
| Lead, Total | 7.19 | | mg/kg | 2.10 | 0.112 | 1 | 08/30/18 11:28 | 08/30/18 13:45 | EPA 3050B | 1,6010D | PE |
| Manganese, Total | 306 | | mg/kg | 0.420 | 0.067 | 1 | 08/30/18 11:28 | 08/30/18 13:45 | EPA 3050B | 1,6010D | PE |
| Nickel, Total | 8.08 | | mg/kg | 1.05 | 0.102 | 1 | 08/30/18 11:28 | 08/30/18 13:45 | EPA 3050B | 1,6010D | PE |
| Selenium, Total | 0.411 | J | mg/kg | 0.840 | 0.108 | 1 | 08/30/18 11:28 | 08/30/18 13:45 | EPA 3050B | 1,6010D | PE |
| Silver, Total | ND | | mg/kg | 0.420 | 0.119 | 1 | 08/30/18 11:28 | 08/30/18 13:45 | EPA 3050B | 1,6010D | PE |
| Zinc, Total | 83.5 | | mg/kg | 2.10 | 0.123 | 1 | 08/30/18 11:28 | 08/30/18 13:45 | EPA 3050B | 1,6010D | PE |



Project Name: 183775

Lab Number: L1833823

Project Number: 183775

Report Date: 09/04/18

SAMPLE RESULTS

Lab ID: L1833823-03

Date Collected: 08/16/18 13:00

Client ID: BH-1 (0-3) 183775-03

Date Received: 08/27/18

Sample Location: Not Specified

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 96%

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Prep Method | Analytical Method | Analyst |
|------------------------------|--------|-----------|-------|-------|-------|--------------------|------------------|------------------|----------------|----------------------|---------|
| Total Metals - Mansfield Lab | | | | | | | | | | | |
| Arsenic, Total | 3.90 | | mg/kg | 0.411 | 0.085 | 1 | 08/30/18 11:28 | 08/30/18 13:50 | EPA 3050B | 1,6010D | PE |
| Barium, Total | 20.9 | | mg/kg | 0.411 | 0.072 | 1 | 08/30/18 11:28 | 08/30/18 13:50 | EPA 3050B | 1,6010D | PE |
| Beryllium, Total | 0.058 | J | mg/kg | 0.205 | 0.014 | 1 | 08/30/18 11:28 | 08/30/18 13:50 | EPA 3050B | 1,6010D | PE |
| Cadmium, Total | 0.509 | | mg/kg | 0.411 | 0.040 | 1 | 08/30/18 11:28 | 08/30/18 13:50 | EPA 3050B | 1,6010D | PE |
| Chromium, Total | 9.90 | | mg/kg | 0.411 | 0.039 | 1 | 08/30/18 11:28 | 08/30/18 13:50 | EPA 3050B | 1,6010D | PE |
| Copper, Total | 121 | | mg/kg | 0.411 | 0.106 | 1 | 08/30/18 11:28 | 08/30/18 13:50 | EPA 3050B | 1,6010D | PE |
| Lead, Total | 59.5 | | mg/kg | 2.05 | 0.110 | 1 | 08/30/18 11:28 | 08/30/18 13:50 | EPA 3050B | 1,6010D | PE |
| Manganese, Total | 198 | | mg/kg | 0.411 | 0.065 | 1 | 08/30/18 11:28 | 08/30/18 13:50 | EPA 3050B | 1,6010D | PE |
| Nickel, Total | 6.94 | | mg/kg | 1.03 | 0.099 | 1 | 08/30/18 11:28 | 08/30/18 13:50 | EPA 3050B | 1,6010D | PE |
| Selenium, Total | 0.337 | J | mg/kg | 0.822 | 0.106 | 1 | 08/30/18 11:28 | 08/30/18 13:50 | EPA 3050B | 1,6010D | PE |
| Silver, Total | 0.168 | J | mg/kg | 0.411 | 0.116 | 1 | 08/30/18 11:28 | 08/30/18 13:50 | EPA 3050B | 1,6010D | PE |
| Zinc, Total | 119 | | mg/kg | 2.05 | 0.120 | 1 | 08/30/18 11:28 | 08/30/18 13:50 | EPA 3050B | 1,6010D | PE |



Project Name: 183775

Lab Number: L1833823

Project Number: 183775

Report Date: 09/04/18

SAMPLE RESULTS

Lab ID: L1833823-04

Date Collected: 08/16/18 13:10

Client ID: BH-2 (13.5-15) 183775-04

Date Received: 08/27/18

Sample Location: Not Specified

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 65%

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Prep Method | Analytical Method | Analyst |
|------------------------------|--------|-----------|-------|-------|-------|--------------------|------------------|------------------|----------------|----------------------|---------|
| Total Metals - Mansfield Lab | | | | | | | | | | | |
| Arsenic, Total | 4.21 | | mg/kg | 0.604 | 0.126 | 1 | 08/30/18 11:28 | 08/30/18 14:08 | EPA 3050B | 1,6010D | PE |
| Barium, Total | 74.2 | | mg/kg | 0.604 | 0.105 | 1 | 08/30/18 11:28 | 08/30/18 14:08 | EPA 3050B | 1,6010D | PE |
| Beryllium, Total | 0.520 | | mg/kg | 0.302 | 0.020 | 1 | 08/30/18 11:28 | 08/30/18 14:08 | EPA 3050B | 1,6010D | PE |
| Cadmium, Total | 0.683 | | mg/kg | 0.604 | 0.059 | 1 | 08/30/18 11:28 | 08/30/18 14:08 | EPA 3050B | 1,6010D | PE |
| Chromium, Total | 16.0 | | mg/kg | 0.604 | 0.058 | 1 | 08/30/18 11:28 | 08/30/18 14:08 | EPA 3050B | 1,6010D | PE |
| Copper, Total | 28.2 | | mg/kg | 0.604 | 0.156 | 1 | 08/30/18 11:28 | 08/30/18 14:08 | EPA 3050B | 1,6010D | PE |
| Lead, Total | 68.3 | | mg/kg | 3.02 | 0.162 | 1 | 08/30/18 11:28 | 08/30/18 14:08 | EPA 3050B | 1,6010D | PE |
| Manganese, Total | 221 | | mg/kg | 0.604 | 0.096 | 1 | 08/30/18 11:28 | 08/30/18 14:08 | EPA 3050B | 1,6010D | PE |
| Nickel, Total | 20.3 | | mg/kg | 1.51 | 0.146 | 1 | 08/30/18 11:28 | 08/30/18 14:08 | EPA 3050B | 1,6010D | PE |
| Selenium, Total | 0.731 | J | mg/kg | 1.21 | 0.156 | 1 | 08/30/18 11:28 | 08/30/18 14:08 | EPA 3050B | 1,6010D | PE |
| Silver, Total | 0.266 | J | mg/kg | 0.604 | 0.171 | 1 | 08/30/18 11:28 | 08/30/18 14:08 | EPA 3050B | 1,6010D | PE |
| Zinc, Total | 85.9 | | mg/kg | 3.02 | 0.177 | 1 | 08/30/18 11:28 | 08/30/18 14:08 | EPA 3050B | 1,6010D | PE |



Project Name: 183775

Lab Number: L1833823

Project Number: 183775

Report Date: 09/04/18

SAMPLE RESULTS

Lab ID: L1833823-05

Date Collected: 08/16/18 10:47

Client ID: BH-3S (12-13.5) 183775-05

Date Received: 08/27/18

Sample Location: Not Specified

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 65%

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Prep Method | Analytical Method | Analyst |
|------------------------------|--------|-----------|-------|-------|-------|--------------------|------------------|------------------|----------------|----------------------|---------|
| Total Metals - Mansfield Lab | | | | | | | | | | | |
| Arsenic, Total | 6.61 | | mg/kg | 0.604 | 0.126 | 1 | 08/30/18 11:28 | 08/30/18 14:13 | EPA 3050B | 1,6010D | PE |
| Barium, Total | 102 | | mg/kg | 0.604 | 0.105 | 1 | 08/30/18 11:28 | 08/30/18 14:13 | EPA 3050B | 1,6010D | PE |
| Beryllium, Total | 0.544 | | mg/kg | 0.302 | 0.020 | 1 | 08/30/18 11:28 | 08/30/18 14:13 | EPA 3050B | 1,6010D | PE |
| Cadmium, Total | 0.997 | | mg/kg | 0.604 | 0.059 | 1 | 08/30/18 11:28 | 08/30/18 14:13 | EPA 3050B | 1,6010D | PE |
| Chromium, Total | 21.6 | | mg/kg | 0.604 | 0.058 | 1 | 08/30/18 11:28 | 08/30/18 14:13 | EPA 3050B | 1,6010D | PE |
| Copper, Total | 150 | | mg/kg | 0.604 | 0.156 | 1 | 08/30/18 11:28 | 08/30/18 14:13 | EPA 3050B | 1,6010D | PE |
| Lead, Total | 120 | | mg/kg | 3.02 | 0.162 | 1 | 08/30/18 11:28 | 08/30/18 14:13 | EPA 3050B | 1,6010D | PE |
| Manganese, Total | 238 | | mg/kg | 0.604 | 0.096 | 1 | 08/30/18 11:28 | 08/30/18 14:13 | EPA 3050B | 1,6010D | PE |
| Nickel, Total | 19.2 | | mg/kg | 1.51 | 0.146 | 1 | 08/30/18 11:28 | 08/30/18 14:13 | EPA 3050B | 1,6010D | PE |
| Selenium, Total | 1.22 | | mg/kg | 1.21 | 0.156 | 1 | 08/30/18 11:28 | 08/30/18 14:13 | EPA 3050B | 1,6010D | PE |
| Silver, Total | 0.628 | | mg/kg | 0.604 | 0.171 | 1 | 08/30/18 11:28 | 08/30/18 14:13 | EPA 3050B | 1,6010D | PE |
| Zinc, Total | 219 | | mg/kg | 3.02 | 0.177 | 1 | 08/30/18 11:28 | 08/30/18 14:13 | EPA 3050B | 1,6010D | PE |



Project Name: 183775

Lab Number: L1833823

Project Number: 183775

Report Date: 09/04/18

SAMPLE RESULTS

Lab ID: L1833823-06

Date Collected: 08/16/18 13:50

Client ID: BH-5 (4-6) 183775-06

Date Received: 08/27/18

Sample Location: Not Specified

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 82%

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Prep Method | Analytical Method | Analyst |
|------------------------------|--------|-----------|-------|-------|-------|--------------------|------------------|------------------|----------------|----------------------|---------|
| Total Metals - Mansfield Lab | | | | | | | | | | | |
| Arsenic, Total | 4.16 | | mg/kg | 0.462 | 0.096 | 1 | 08/30/18 11:28 | 08/30/18 14:18 | EPA 3050B | 1,6010D | PE |
| Barium, Total | 61.8 | | mg/kg | 0.462 | 0.080 | 1 | 08/30/18 11:28 | 08/30/18 14:18 | EPA 3050B | 1,6010D | PE |
| Beryllium, Total | 0.134 | J | mg/kg | 0.231 | 0.015 | 1 | 08/30/18 11:28 | 08/30/18 14:18 | EPA 3050B | 1,6010D | PE |
| Cadmium, Total | 1.61 | | mg/kg | 0.462 | 0.045 | 1 | 08/30/18 11:28 | 08/30/18 14:18 | EPA 3050B | 1,6010D | PE |
| Chromium, Total | 7.14 | | mg/kg | 0.462 | 0.044 | 1 | 08/30/18 11:28 | 08/30/18 14:18 | EPA 3050B | 1,6010D | PE |
| Copper, Total | 141 | | mg/kg | 0.462 | 0.119 | 1 | 08/30/18 11:28 | 08/30/18 14:18 | EPA 3050B | 1,6010D | PE |
| Lead, Total | 190 | | mg/kg | 2.31 | 0.124 | 1 | 08/30/18 11:28 | 08/30/18 14:18 | EPA 3050B | 1,6010D | PE |
| Manganese, Total | 246 | | mg/kg | 0.462 | 0.073 | 1 | 08/30/18 11:28 | 08/30/18 14:18 | EPA 3050B | 1,6010D | PE |
| Nickel, Total | 9.83 | | mg/kg | 1.15 | 0.112 | 1 | 08/30/18 11:28 | 08/30/18 14:18 | EPA 3050B | 1,6010D | PE |
| Selenium, Total | 0.697 | J | mg/kg | 0.923 | 0.119 | 1 | 08/30/18 11:28 | 08/30/18 14:18 | EPA 3050B | 1,6010D | PE |
| Silver, Total | 0.171 | J | mg/kg | 0.462 | 0.131 | 1 | 08/30/18 11:28 | 08/30/18 14:18 | EPA 3050B | 1,6010D | PE |
| Zinc, Total | 1180 | | mg/kg | 2.31 | 0.135 | 1 | 08/30/18 11:28 | 08/30/18 14:18 | EPA 3050B | 1,6010D | PE |



Project Name: 183775

Lab Number: L1833823

Project Number: 183775

Report Date: 09/04/18

SAMPLE RESULTS

Lab ID: L1833823-07

Date Collected: 08/16/18 09:30

Client ID: BH-4 (11.5-12) 183775-07

Date Received: 08/27/18

Sample Location: Not Specified

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 69%

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Prep Method | Analytical Method | Analyst |
|------------------------------|--------|-----------|-------|-------|-------|--------------------|------------------|------------------|----------------|----------------------|---------|
| Total Metals - Mansfield Lab | | | | | | | | | | | |
| Arsenic, Total | 11.5 | | mg/kg | 0.569 | 0.118 | 1 | 08/30/18 11:28 | 08/30/18 14:23 | EPA 3050B | 1,6010D | PE |
| Barium, Total | 93.9 | | mg/kg | 0.569 | 0.099 | 1 | 08/30/18 11:28 | 08/30/18 14:23 | EPA 3050B | 1,6010D | PE |
| Beryllium, Total | 0.592 | | mg/kg | 0.285 | 0.019 | 1 | 08/30/18 11:28 | 08/30/18 14:23 | EPA 3050B | 1,6010D | PE |
| Cadmium, Total | 0.717 | | mg/kg | 0.569 | 0.056 | 1 | 08/30/18 11:28 | 08/30/18 14:23 | EPA 3050B | 1,6010D | PE |
| Chromium, Total | 13.9 | | mg/kg | 0.569 | 0.055 | 1 | 08/30/18 11:28 | 08/30/18 14:23 | EPA 3050B | 1,6010D | PE |
| Copper, Total | 29.8 | | mg/kg | 0.569 | 0.147 | 1 | 08/30/18 11:28 | 08/30/18 14:23 | EPA 3050B | 1,6010D | PE |
| Lead, Total | 46.3 | | mg/kg | 2.85 | 0.152 | 1 | 08/30/18 11:28 | 08/30/18 14:23 | EPA 3050B | 1,6010D | PE |
| Manganese, Total | 213 | | mg/kg | 0.569 | 0.091 | 1 | 08/30/18 11:28 | 08/30/18 14:23 | EPA 3050B | 1,6010D | PE |
| Nickel, Total | 40.9 | | mg/kg | 1.42 | 0.138 | 1 | 08/30/18 11:28 | 08/30/18 14:23 | EPA 3050B | 1,6010D | PE |
| Selenium, Total | 0.746 | J | mg/kg | 1.14 | 0.147 | 1 | 08/30/18 11:28 | 08/30/18 14:23 | EPA 3050B | 1,6010D | PE |
| Silver, Total | ND | | mg/kg | 0.569 | 0.161 | 1 | 08/30/18 11:28 | 08/30/18 14:23 | EPA 3050B | 1,6010D | PE |
| Zinc, Total | 950 | | mg/kg | 2.85 | 0.167 | 1 | 08/30/18 11:28 | 08/30/18 14:23 | EPA 3050B | 1,6010D | PE |



Project Name: 183775

Lab Number: L1833823

Project Number: 183775

Report Date: 09/04/18

SAMPLE RESULTS

Lab ID: L1833823-08

Date Collected: 08/16/18 09:30

Client ID: BH-4 (0-1) 183775-08

Date Received: 08/27/18

Sample Location: Not Specified

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 84%

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Prep Method | Analytical Method | Analyst |
|------------------------------|--------|-----------|-------|-------|-------|--------------------|------------------|------------------|----------------|----------------------|---------|
| Total Metals - Mansfield Lab | | | | | | | | | | | |
| Arsenic, Total | 7.18 | | mg/kg | 0.459 | 0.096 | 1 | 08/30/18 11:28 | 08/30/18 14:28 | EPA 3050B | 1,6010D | PE |
| Barium, Total | 158 | | mg/kg | 0.459 | 0.080 | 1 | 08/30/18 11:28 | 08/30/18 14:28 | EPA 3050B | 1,6010D | PE |
| Beryllium, Total | 0.556 | | mg/kg | 0.230 | 0.015 | 1 | 08/30/18 11:28 | 08/30/18 14:28 | EPA 3050B | 1,6010D | PE |
| Cadmium, Total | 1.18 | | mg/kg | 0.459 | 0.045 | 1 | 08/30/18 11:28 | 08/30/18 14:28 | EPA 3050B | 1,6010D | PE |
| Chromium, Total | 17.9 | | mg/kg | 0.459 | 0.044 | 1 | 08/30/18 11:28 | 08/30/18 14:28 | EPA 3050B | 1,6010D | PE |
| Copper, Total | 66.5 | | mg/kg | 0.459 | 0.118 | 1 | 08/30/18 11:28 | 08/30/18 14:28 | EPA 3050B | 1,6010D | PE |
| Lead, Total | 249 | | mg/kg | 2.30 | 0.123 | 1 | 08/30/18 11:28 | 08/30/18 14:28 | EPA 3050B | 1,6010D | PE |
| Manganese, Total | 624 | | mg/kg | 0.459 | 0.073 | 1 | 08/30/18 11:28 | 08/30/18 14:28 | EPA 3050B | 1,6010D | PE |
| Nickel, Total | 15.7 | | mg/kg | 1.15 | 0.111 | 1 | 08/30/18 11:28 | 08/30/18 14:28 | EPA 3050B | 1,6010D | PE |
| Selenium, Total | 1.12 | | mg/kg | 0.918 | 0.118 | 1 | 08/30/18 11:28 | 08/30/18 14:28 | EPA 3050B | 1,6010D | PE |
| Silver, Total | 0.395 | J | mg/kg | 0.459 | 0.130 | 1 | 08/30/18 11:28 | 08/30/18 14:28 | EPA 3050B | 1,6010D | PE |
| Zinc, Total | 248 | | mg/kg | 2.30 | 0.134 | 1 | 08/30/18 11:28 | 08/30/18 14:28 | EPA 3050B | 1,6010D | PE |



Project Name: 183775

Lab Number: L1833823

Project Number: 183775

Report Date: 09/04/18

SAMPLE RESULTS

Lab ID: L1833823-09

Date Collected: 08/16/18 13:50

Client ID: BH-5 (0-2) 183775-09

Date Received: 08/27/18

Sample Location: Not Specified

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 89%

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Prep Method | Analytical Method | Analyst |
|------------------------------|--------|-----------|-------|-------|-------|--------------------|------------------|------------------|----------------|----------------------|---------|
| Total Metals - Mansfield Lab | | | | | | | | | | | |
| Arsenic, Total | 7.45 | | mg/kg | 0.427 | 0.089 | 1 | 08/30/18 11:28 | 08/30/18 14:33 | EPA 3050B | 1,6010D | PE |
| Barium, Total | 180 | | mg/kg | 0.427 | 0.074 | 1 | 08/30/18 11:28 | 08/30/18 14:33 | EPA 3050B | 1,6010D | PE |
| Beryllium, Total | 0.499 | | mg/kg | 0.213 | 0.014 | 1 | 08/30/18 11:28 | 08/30/18 14:33 | EPA 3050B | 1,6010D | PE |
| Cadmium, Total | 1.23 | | mg/kg | 0.427 | 0.042 | 1 | 08/30/18 11:28 | 08/30/18 14:33 | EPA 3050B | 1,6010D | PE |
| Chromium, Total | 18.2 | | mg/kg | 0.427 | 0.041 | 1 | 08/30/18 11:28 | 08/30/18 14:33 | EPA 3050B | 1,6010D | PE |
| Copper, Total | 102 | | mg/kg | 0.427 | 0.110 | 1 | 08/30/18 11:28 | 08/30/18 14:33 | EPA 3050B | 1,6010D | PE |
| Lead, Total | 309 | | mg/kg | 2.13 | 0.114 | 1 | 08/30/18 11:28 | 08/30/18 14:33 | EPA 3050B | 1,6010D | PE |
| Manganese, Total | 516 | | mg/kg | 0.427 | 0.068 | 1 | 08/30/18 11:28 | 08/30/18 14:33 | EPA 3050B | 1,6010D | PE |
| Nickel, Total | 16.3 | | mg/kg | 1.07 | 0.103 | 1 | 08/30/18 11:28 | 08/30/18 14:33 | EPA 3050B | 1,6010D | PE |
| Selenium, Total | 0.888 | | mg/kg | 0.853 | 0.110 | 1 | 08/30/18 11:28 | 08/30/18 14:33 | EPA 3050B | 1,6010D | PE |
| Silver, Total | 0.546 | | mg/kg | 0.427 | 0.121 | 1 | 08/30/18 11:28 | 08/30/18 14:33 | EPA 3050B | 1,6010D | PE |
| Zinc, Total | 286 | | mg/kg | 2.13 | 0.125 | 1 | 08/30/18 11:28 | 08/30/18 14:33 | EPA 3050B | 1,6010D | PE |



Project Name: 183775

Lab Number: L1833823

Project Number: 183775

Report Date: 09/04/18

SAMPLE RESULTS

Lab ID: L1833823-10

Date Collected: 08/16/18 14:40

Client ID: BH-6 (0-2) 183775-10

Date Received: 08/27/18

Sample Location: Not Specified

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 86%

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Prep Method | Analytical Method | Analyst |
|------------------------------|--------|-----------|-------|-------|-------|--------------------|------------------|------------------|----------------|----------------------|---------|
| Total Metals - Mansfield Lab | | | | | | | | | | | |
| Arsenic, Total | 6.01 | | mg/kg | 0.457 | 0.095 | 1 | 08/30/18 11:28 | 08/30/18 14:38 | EPA 3050B | 1,6010D | PE |
| Barium, Total | 88.6 | | mg/kg | 0.457 | 0.080 | 1 | 08/30/18 11:28 | 08/30/18 14:38 | EPA 3050B | 1,6010D | PE |
| Beryllium, Total | 0.476 | | mg/kg | 0.229 | 0.015 | 1 | 08/30/18 11:28 | 08/30/18 14:38 | EPA 3050B | 1,6010D | PE |
| Cadmium, Total | 0.805 | | mg/kg | 0.457 | 0.045 | 1 | 08/30/18 11:28 | 08/30/18 14:38 | EPA 3050B | 1,6010D | PE |
| Chromium, Total | 18.4 | | mg/kg | 0.457 | 0.044 | 1 | 08/30/18 11:28 | 08/30/18 14:38 | EPA 3050B | 1,6010D | PE |
| Copper, Total | 34.4 | | mg/kg | 0.457 | 0.118 | 1 | 08/30/18 11:28 | 08/30/18 14:38 | EPA 3050B | 1,6010D | PE |
| Lead, Total | 134 | | mg/kg | 2.29 | 0.122 | 1 | 08/30/18 11:28 | 08/30/18 14:38 | EPA 3050B | 1,6010D | PE |
| Manganese, Total | 438 | | mg/kg | 0.457 | 0.073 | 1 | 08/30/18 11:28 | 08/30/18 14:38 | EPA 3050B | 1,6010D | PE |
| Nickel, Total | 14.1 | | mg/kg | 1.14 | 0.111 | 1 | 08/30/18 11:28 | 08/30/18 14:38 | EPA 3050B | 1,6010D | PE |
| Selenium, Total | 0.576 | J | mg/kg | 0.914 | 0.118 | 1 | 08/30/18 11:28 | 08/30/18 14:38 | EPA 3050B | 1,6010D | PE |
| Silver, Total | 0.210 | J | mg/kg | 0.457 | 0.129 | 1 | 08/30/18 11:28 | 08/30/18 14:38 | EPA 3050B | 1,6010D | PE |
| Zinc, Total | 155 | | mg/kg | 2.29 | 0.134 | 1 | 08/30/18 11:28 | 08/30/18 14:38 | EPA 3050B | 1,6010D | PE |



Project Name: 183775

Lab Number: L1833823

Project Number: 183775

Report Date: 09/04/18

Method Blank Analysis Batch Quality Control

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|--|--------|-----------|-------|-------|-------|--------------------|------------------|------------------|----------------------|---------|
| Total Metals - Mansfield Lab for sample(s): 01-10 Batch: WG1152102-1 | | | | | | | | | | |
| Arsenic, Total | ND | | mg/kg | 0.400 | 0.083 | 1 | 08/30/18 11:28 | 08/30/18 13:11 | 1,6010D | PE |
| Barium, Total | ND | | mg/kg | 0.400 | 0.070 | 1 | 08/30/18 11:28 | 08/30/18 13:11 | 1,6010D | PE |
| Beryllium, Total | ND | | mg/kg | 0.200 | 0.013 | 1 | 08/30/18 11:28 | 08/30/18 13:11 | 1,6010D | PE |
| Cadmium, Total | ND | | mg/kg | 0.400 | 0.039 | 1 | 08/30/18 11:28 | 08/30/18 13:11 | 1,6010D | PE |
| Chromium, Total | ND | | mg/kg | 0.400 | 0.038 | 1 | 08/30/18 11:28 | 08/30/18 13:11 | 1,6010D | PE |
| Copper, Total | ND | | mg/kg | 0.400 | 0.103 | 1 | 08/30/18 11:28 | 08/30/18 13:11 | 1,6010D | PE |
| Lead, Total | ND | | mg/kg | 2.00 | 0.107 | 1 | 08/30/18 11:28 | 08/30/18 13:11 | 1,6010D | PE |
| Manganese, Total | 0.088 | J | mg/kg | 0.400 | 0.064 | 1 | 08/30/18 11:28 | 08/30/18 13:11 | 1,6010D | PE |
| Nickel, Total | ND | | mg/kg | 1.00 | 0.097 | 1 | 08/30/18 11:28 | 08/30/18 13:11 | 1,6010D | PE |
| Selenium, Total | ND | | mg/kg | 0.800 | 0.103 | 1 | 08/30/18 11:28 | 08/30/18 13:11 | 1,6010D | PE |
| Silver, Total | ND | | mg/kg | 0.400 | 0.113 | 1 | 08/30/18 11:28 | 08/30/18 13:11 | 1,6010D | PE |
| Zinc, Total | ND | | mg/kg | 2.00 | 0.117 | 1 | 08/30/18 11:28 | 08/30/18 13:11 | 1,6010D | PE |

Prep Information

Digestion Method: EPA 3050B



Lab Control Sample Analysis Batch Quality Control

Project Name: 183775

Project Number: 183775

Lab Number: L1833823

Report Date: 09/04/18

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|--|------------------|------|-------------------|------|---------------------|-----|------|------------|
| Total Metals - Mansfield Lab Associated sample(s): 01-10 Batch: WG1152102-2 SRM Lot Number: D102-540 | | | | | | | | |
| Arsenic, Total | 103 | | - | | 83-117 | - | | |
| Barium, Total | 96 | | - | | 83-118 | - | | |
| Beryllium, Total | 97 | | - | | 83-116 | - | | |
| Cadmium, Total | 99 | | - | | 83-118 | - | | |
| Chromium, Total | 101 | | - | | 83-117 | - | | |
| Copper, Total | 95 | | - | | 84-116 | - | | |
| Lead, Total | 101 | | - | | 82-118 | - | | |
| Manganese, Total | 96 | | - | | 82-118 | - | | |
| Nickel, Total | 99 | | - | | 83-117 | - | | |
| Selenium, Total | 102 | | - | | 79-121 | - | | |
| Silver, Total | 95 | | - | | 80-120 | - | | |
| Zinc, Total | 100 | | - | | 81-118 | - | | |

Matrix Spike Analysis

Batch Quality Control

Project Name: 183775

Project Number: 183775

Lab Number: L1833823

Report Date: 09/04/18

| Parameter | Native Sample | MS Added | MS Found | MS %Recovery | Qual | MSD Found | MSD %Recovery | Qual | Recovery Limits | RPD | Qual | RPD Limits |
|--|---------------|----------|--------------------------|--------------|------|------------------------|---------------|------|----------------------|-----|------|------------|
| Total Metals - Mansfield Lab Associated sample(s): 01-10 | | | QC Batch ID: WG1152102-3 | | | QC Sample: L1833813-01 | | | Client ID: MS Sample | | | |
| Arsenic, Total | 2.31 | 10.7 | 13.2 | 101 | | - | - | | 75-125 | - | | 20 |
| Barium, Total | 31.6 | 179 | 174 | 80 | | - | - | | 75-125 | - | | 20 |
| Beryllium, Total | 0.114J | 4.48 | 3.60 | 80 | | - | - | | 75-125 | - | | 20 |
| Cadmium, Total | 0.290J | 4.57 | 3.69 | 81 | | - | - | | 75-125 | - | | 20 |
| Chromium, Total | 6.26 | 17.9 | 19.5 | 74 | Q | - | - | | 75-125 | - | | 20 |
| Copper, Total | 11.3 | 22.4 | 28.7 | 78 | | - | - | | 75-125 | - | | 20 |
| Lead, Total | 5.51 | 45.7 | 35.8 | 66 | Q | - | - | | 75-125 | - | | 20 |
| Manganese, Total | 365. | 44.8 | 343 | 0 | Q | - | - | | 75-125 | - | | 20 |
| Nickel, Total | 5.90 | 44.8 | 35.4 | 66 | Q | - | - | | 75-125 | - | | 20 |
| Selenium, Total | 0.478J | 10.7 | 9.57 | 89 | | - | - | | 75-125 | - | | 20 |
| Silver, Total | 0.132J | 26.9 | 25.3 | 94 | | - | - | | 75-125 | - | | 20 |
| Zinc, Total | 29.7 | 44.8 | 61.3 | 70 | Q | - | - | | 75-125 | - | | 20 |

Lab Duplicate Analysis

Batch Quality Control

Project Name: 183775

Project Number: 183775

Lab Number: L1833823

Report Date: 09/04/18

| Parameter | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|--|---------------|------------------|-------|-----|------|------------|
| Total Metals - Mansfield Lab Associated sample(s): 01-10 QC Batch ID: WG1152102-4 QC Sample: L1833813-01 Client ID: DUP Sample | | | | | | |
| Arsenic, Total | 2.31 | 1.74 | mg/kg | 28 | Q | 20 |
| Beryllium, Total | 0.114J | 0.114J | mg/kg | NC | | 20 |
| Cadmium, Total | 0.290J | 0.246J | mg/kg | NC | | 20 |
| Chromium, Total | 6.26 | 5.98 | mg/kg | 5 | | 20 |
| Copper, Total | 11.3 | 11.3 | mg/kg | 0 | | 20 |
| Lead, Total | 5.51 | 5.22 | mg/kg | 5 | | 20 |
| Nickel, Total | 5.90 | 6.37 | mg/kg | 8 | | 20 |
| Selenium, Total | 0.478J | 0.132J | mg/kg | NC | | 20 |
| Silver, Total | 0.132J | ND | mg/kg | NC | | 20 |
| Zinc, Total | 29.7 | 29.7 | mg/kg | 0 | | 20 |

INORGANICS & MISCELLANEOUS

Project Name: 183775

Lab Number: L1833823

Project Number: 183775

Report Date: 09/04/18

SAMPLE RESULTS

Lab ID: L1833823-01

Date Collected: 08/16/18 14:40

Client ID: BH-6 (4-6) 183775-01

Date Received: 08/27/18

Sample Location: Not Specified

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|-------------------------------------|--------|-----------|-------|-------|-----|--------------------|------------------|------------------|----------------------|---------|
| General Chemistry - Westborough Lab | | | | | | | | | | |
| Solids, Total | 85.3 | | % | 0.100 | NA | 1 | - | 08/28/18 08:52 | 121,2540G | RI |



Project Name: 183775

Project Number: 183775

Lab Number: L1833823

Report Date: 09/04/18

SAMPLE RESULTS

Lab ID: L1833823-02

Client ID: BH-2 (19-20) 183775-02

Sample Location: Not Specified

Date Collected: 08/16/18 11:55

Date Received: 08/27/18

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|-------------------------------------|--------|-----------|-------|-------|-----|--------------------|------------------|------------------|----------------------|---------|
| General Chemistry - Westborough Lab | | | | | | | | | | |
| Solids, Total | 90.5 | | % | 0.100 | NA | 1 | - | 08/28/18 08:52 | 121,2540G | RI |



Project Name: 183775

Project Number: 183775

Lab Number: L1833823

Report Date: 09/04/18

SAMPLE RESULTS

Lab ID: L1833823-03

Client ID: BH-1 (0-3) 183775-03

Sample Location: Not Specified

Date Collected: 08/16/18 13:00

Date Received: 08/27/18

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|-------------------------------------|--------|-----------|-------|-------|-----|--------------------|------------------|------------------|----------------------|---------|
| General Chemistry - Westborough Lab | | | | | | | | | | |
| Solids, Total | 95.6 | | % | 0.100 | NA | 1 | - | 08/28/18 08:52 | 121,2540G | RI |



Project Name: 183775

Project Number: 183775

Lab Number: L1833823

Report Date: 09/04/18

SAMPLE RESULTS

Lab ID: L1833823-04

Client ID: BH-2 (13.5-15) 183775-04

Sample Location: Not Specified

Date Collected: 08/16/18 13:10

Date Received: 08/27/18

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|-------------------------------------|--------|-----------|-------|-------|-----|--------------------|------------------|------------------|----------------------|---------|
| General Chemistry - Westborough Lab | | | | | | | | | | |
| Solids, Total | 64.6 | | % | 0.100 | NA | 1 | - | 08/28/18 08:52 | 121,2540G | RI |



Project Name: 183775

Project Number: 183775

Lab Number: L1833823

Report Date: 09/04/18

SAMPLE RESULTS

Lab ID: L1833823-05

Client ID: BH-3S (12-13.5) 183775-05

Sample Location: Not Specified

Date Collected: 08/16/18 10:47

Date Received: 08/27/18

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|-------------------------------------|--------|-----------|-------|-------|-----|--------------------|------------------|------------------|----------------------|---------|
| General Chemistry - Westborough Lab | | | | | | | | | | |
| Solids, Total | 65.3 | | % | 0.100 | NA | 1 | - | 08/28/18 08:52 | 121,2540G | RI |



Project Name: 183775

Project Number: 183775

Lab Number: L1833823

Report Date: 09/04/18

SAMPLE RESULTS

Lab ID: L1833823-06

Client ID: BH-5 (4-6) 183775-06

Sample Location: Not Specified

Date Collected: 08/16/18 13:50

Date Received: 08/27/18

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|-------------------------------------|--------|-----------|-------|-------|-----|--------------------|------------------|------------------|----------------------|---------|
| General Chemistry - Westborough Lab | | | | | | | | | | |
| Solids, Total | 81.7 | | % | 0.100 | NA | 1 | - | 08/28/18 08:52 | 121,2540G | RI |



Project Name: 183775

Project Number: 183775

Lab Number: L1833823

Report Date: 09/04/18

SAMPLE RESULTS

Lab ID: L1833823-07

Client ID: BH-4 (11.5-12) 183775-07

Sample Location: Not Specified

Date Collected: 08/16/18 09:30

Date Received: 08/27/18

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|-------------------------------------|--------|-----------|-------|-------|-----|--------------------|------------------|------------------|----------------------|---------|
| General Chemistry - Westborough Lab | | | | | | | | | | |
| Solids, Total | 69.2 | | % | 0.100 | NA | 1 | - | 08/28/18 08:52 | 121,2540G | RI |



Project Name: 183775

Project Number: 183775

Lab Number: L1833823

Report Date: 09/04/18

SAMPLE RESULTS

Lab ID: L1833823-08

Client ID: BH-4 (0-1) 183775-08

Sample Location: Not Specified

Date Collected: 08/16/18 09:30

Date Received: 08/27/18

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|-------------------------------------|--------|-----------|-------|-------|-----|--------------------|------------------|------------------|----------------------|---------|
| General Chemistry - Westborough Lab | | | | | | | | | | |
| Solids, Total | 84.4 | | % | 0.100 | NA | 1 | - | 08/28/18 08:52 | 121,2540G | RI |



Project Name: 183775

Lab Number: L1833823

Project Number: 183775

Report Date: 09/04/18

SAMPLE RESULTS

Lab ID: L1833823-09

Date Collected: 08/16/18 13:50

Client ID: BH-5 (0-2) 183775-09

Date Received: 08/27/18

Sample Location: Not Specified

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|-------------------------------------|--------|-----------|-------|-------|-----|--------------------|------------------|------------------|----------------------|---------|
| General Chemistry - Westborough Lab | | | | | | | | | | |
| Solids, Total | 89.1 | | % | 0.100 | NA | 1 | - | 08/28/18 08:52 | 121,2540G | RI |



Project Name: 183775

Project Number: 183775

Lab Number: L1833823

Report Date: 09/04/18

SAMPLE RESULTS

Lab ID: L1833823-10

Client ID: BH-6 (0-2) 183775-10

Sample Location: Not Specified

Date Collected: 08/16/18 14:40

Date Received: 08/27/18

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor | Date Prepared | Date Analyzed | Analytical Method | Analyst |
|-------------------------------------|--------|-----------|-------|-------|-----|--------------------|------------------|------------------|----------------------|---------|
| General Chemistry - Westborough Lab | | | | | | | | | | |
| Solids, Total | 86.3 | | % | 0.100 | NA | 1 | - | 08/28/18 08:52 | 121,2540G | RI |



Lab Duplicate Analysis

Batch Quality Control

Project Name: 183775

Project Number: 183775

Lab Number: L1833823

Report Date: 09/04/18

| Parameter | Native Sample | Duplicate Sample | Units | RPD | Qual | RPD Limits |
|---|---------------|------------------|-------|-----|------|------------|
| General Chemistry - Westborough Lab Associated sample(s): 01-10 QC Batch ID: WG1151268-1 QC Sample: L1833823-01 Client ID: BH-6 (4-6) 183775-01 | | | | | | |
| Solids, Total | 85.3 | 84.9 | % | 0 | | 20 |

Project Name: 183775**Lab Number:** L1833823**Project Number:** 183775**Report Date:** 09/04/18**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

Cooler Information

| | |
|---------------|---------------------|
| Cooler | Custody Seal |
| C | Absent |

Container Information

| Container ID | Container Type | Cooler | Initial pH | Final pH | Temp deg C | Pres | Seal | Frozen Date/Time | Analysis(*) |
|--------------|------------------------------|--------|------------|----------|------------|------|--------|------------------|---|
| L1833823-01A | Glass 60ml unpreserved split | C | NA | | 5.1 | Y | Absent | | BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),MN-TI(180),CD-TI(180) |
| L1833823-01B | Glass 60mL/2oz unpreserved | C | NA | | 5.1 | Y | Absent | | TS(7) |
| L1833823-02A | Glass 60ml unpreserved split | C | NA | | 5.1 | Y | Absent | | BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),MN-TI(180),CD-TI(180) |
| L1833823-02B | Glass 60mL/2oz unpreserved | C | NA | | 5.1 | Y | Absent | | TS(7) |
| L1833823-03A | Glass 60ml unpreserved split | C | NA | | 5.1 | Y | Absent | | BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),MN-TI(180),CD-TI(180) |
| L1833823-03B | Glass 60mL/2oz unpreserved | C | NA | | 5.1 | Y | Absent | | TS(7) |
| L1833823-04A | Glass 60ml unpreserved split | C | NA | | 5.1 | Y | Absent | | BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),MN-TI(180),CD-TI(180) |
| L1833823-04B | Glass 60mL/2oz unpreserved | C | NA | | 5.1 | Y | Absent | | TS(7) |
| L1833823-05A | Glass 60ml unpreserved split | C | NA | | 5.1 | Y | Absent | | BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),MN-TI(180),CD-TI(180) |
| L1833823-05B | Glass 60mL/2oz unpreserved | C | NA | | 5.1 | Y | Absent | | TS(7) |
| L1833823-06A | Glass 60ml unpreserved split | C | NA | | 5.1 | Y | Absent | | BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),MN-TI(180),CD-TI(180) |
| L1833823-06B | Glass 60mL/2oz unpreserved | C | NA | | 5.1 | Y | Absent | | TS(7) |
| L1833823-07A | Glass 60ml unpreserved split | C | NA | | 5.1 | Y | Absent | | BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),MN-TI(180),CD-TI(180) |

Project Name: 183775**Lab Number:** L1833823**Project Number:** 183775**Report Date:** 09/04/18**Container Information**

| Container ID | Container Type | Cooler | Initial pH | Final pH | Temp deg C | Pres | Seal | Frozen Date/Time | Analysis(*) |
|---------------------|------------------------------|---------------|-------------------|-----------------|-------------------|-------------|-------------|-------------------------|---|
| L1833823-07B | Glass 60mL/2oz unpreserved | C | NA | | 5.1 | Y | Absent | | TS(7) |
| L1833823-08A | Glass 60ml unpreserved split | C | NA | | 5.1 | Y | Absent | | BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),MN-TI(180),CD-TI(180) |
| L1833823-08B | Glass 60mL/2oz unpreserved | C | NA | | 5.1 | Y | Absent | | TS(7) |
| L1833823-09A | Glass 60ml unpreserved split | C | NA | | 5.1 | Y | Absent | | BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),MN-TI(180),CD-TI(180) |
| L1833823-09B | Glass 60mL/2oz unpreserved | C | NA | | 5.1 | Y | Absent | | TS(7) |
| L1833823-10A | Glass 60ml unpreserved split | C | NA | | 5.1 | Y | Absent | | BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),MN-TI(180),CD-TI(180) |
| L1833823-10B | Glass 60mL/2oz unpreserved | C | NA | | 5.1 | Y | Absent | | TS(7) |

Project Name: 183775
Project Number: 183775

Lab Number: L1833823
Report Date: 09/04/18

GLOSSARY

Acronyms

| | |
|----------|---|
| EDL | - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME). |
| EMPC | - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration. |
| EPA | - Environmental Protection Agency. |
| LCS | - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes. |
| LCSD | - Laboratory Control Sample Duplicate: Refer to LCS. |
| LFB | - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes. |
| MDL | - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. |
| MS | - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. |
| MSD | - Matrix Spike Sample Duplicate: Refer to MS. |
| NA | - Not Applicable. |
| NC | - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit. |
| NDPA/DPA | - N-Nitrosodiphenylamine/Diphenylamine. |
| NI | - Not Ignitable. |
| NP | - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil. |
| RL | - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable. |
| RPD | - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report. |
| SRM | - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples. |
| STLP | - Semi-dynamic Tank Leaching Procedure per EPA Method 1315. |
| TEF | - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD. |
| TEQ | - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values. |
| TIC | - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations. |

Footnotes

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Report Format: DU Report with 'J' Qualifiers



Project Name: 183775**Lab Number:** L1833823**Project Number:** 183775**Report Date:** 09/04/18**Data Qualifiers**

- A** - Spectra identified as "Aldol Condensation Product".
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers



Project Name: 183775**Lab Number:** L1833823**Project Number:** 183775**Report Date:** 09/04/18

REFERENCES

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

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Certification Information

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

Westborough Facility

EPA 624: m/p-xylene, o-xylene

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

EPA 8270D: NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.

EPA 300: DW: Bromide

EPA 6860: SCM: Perchlorate

EPA 9010: NPW and SCM: Amenable Cyanide Distillation

SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO₂, NO₃.

Mansfield Facility

SM 2540D: TSS

EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.

EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water

EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,**

EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B

EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.

Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.**

Non-Potable Water

SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1:**

Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **EPA 351.1, SM4500P-E, SM4500P-B, E,**

SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D.

EPA 624: Volatile Halocarbons & Aromatics,

EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs

EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.

Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, SM9222D.**

Mansfield Facility:

Drinking Water

EPA 200.7: Al, Ba, Be, Cd, Cr, Cu, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1 Hg.**

EPA 522.

Non-Potable Water

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

EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn.

EPA 245.1 Hg.

SM2340B

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



1 of 1 NEC
L1833822

11148

| | | | | | | |
|--|------------|---|-------------|------------------|---|-------------------|
|  | REPORT TO: | | INVOICE TO: | | | |
| | COMPANY: | Paradigm Environmental | COMPANY: | Same | LAB PROJECT #: | CLIENT PROJECT #: |
| | ADDRESS: | 179 Lake Avenue | ADDRESS: | | | |
| | CITY: | Rochester | STATE: | NY | ZIP: | 14608 |
| | PHONE: | | FAX: | | TURNAROUND TIME: (WORKING DAYS) | |
| PROJECT NAME/SITE NAME: | ATTN: | Reporting | ATTN: | Accounts Payable | <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 5 <input type="checkbox"/> STD <input type="checkbox"/> OTHER | |
| COMMENTS: | | Please email results to reporting@paradigmenv.com | | | | |

REQUESTED ANALYSIS[illegible]

LAB USE ONLY. BELOW THIS LINE

Sample Condition: Per NELAC/ELAP 210/241/242/243/244

| Receipt Parameter | | NELAC Compliance | |
|-------------------|--|----------------------------|----------------------------|
| Container Type: | | Y <input type="checkbox"/> | N <input type="checkbox"/> |
| Comments: | | | |
| Preservation: | | Y <input type="checkbox"/> | N <input type="checkbox"/> |
| Comments: | | | |
| Holding Time: | | Y <input type="checkbox"/> | N <input type="checkbox"/> |
| Comments: | | | |
| Temperature: | | Y <input type="checkbox"/> | N <input type="checkbox"/> |
| Comments: | | | |

Client

Sampled By

Date/Time

James Garza
Relinquished By

8/27/18 14:00

Relinquished By

Date/Time

2.

12-7/115

512

12/1/8

Received By _____

Date/Time

8/27

1000

0/2/

Received By _____

Date/Time

8/28

Received @ Lab By _____

Date/Time

Total Cost:

P.I.F.

Project Name: 183775**Lab Number:** L1833823**Project Number:** 183775**Report Date:** 08/30/18

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.
- 107 Alpha Analytical - In-house calculation method.
- 121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Alpha Analytical, Inc.Facility: **Company-wide**Department: **Quality Assurance**Title: **Certificate/Approval Program Summary**ID No.: **17873**Revision **11**

Published Date: 1/8/2018 4:15:49 PM

Page 1 of 1

Certification Information**The following analytes are not included in our Primary NELAP Scope of Accreditation:****Westborough Facility****EPA 624:** m/p-xylene, o-xylene**EPA 8260C:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.**EPA 8270D:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.**EPA 300:** DW: Bromide**EPA 6860:** SCM: Perchlorate**EPA 9010:** NPW and SCM: Amenable Cyanide Distillation**SM4500:** NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO₂, NO₃.**Mansfield Facility****SM 2540D:** TSS**EPA 8082A:** NPW: PCB: 1, 5, 31, 87, 101, 110, 141, 151, 153, 180, 183, 187.**EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.**Biological Tissue Matrix:** EPA 3050B**The following analytes are included in our Massachusetts DEP Scope of Accreditation****Westborough Facility:****Drinking Water****EPA 300.0:** Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,****EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B****EPA 332:** Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.**Microbiology:** **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.****Non-Potable Water****SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH:** Ammonia-N and Kjeldahl-N, **EPA 350.1:**Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **EPA 351.1, SM4500P-E, SM4500P-B, E,****SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D.****EPA 624:** Volatile Halocarbons & Aromatics,**EPA 608:** Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs**EPA 625:** SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.**Microbiology:** **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, SM9222D.****Mansfield Facility:****Drinking Water****EPA 200.7:** Al, Ba, Be, Cd, Cr, Cu, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1 Hg.****EPA 522.****Non-Potable Water****EPA 200.7:** Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.**EPA 200.8:** Al, Sb, As, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn.**EPA 245.1 Hg.****SM2340B**

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

CHAIN OF CUSTODY1 of 1 NEC
L1833823

11148

**REPORT TO:****INVOICE TO:**

COMPANY: **Paradigm Environmental**
 ADDRESS: **179 Lake Avenue**
 CITY: **Rochester** STATE: **NY** ZIP: **14608**
 PHONE: FAX:

COMPANY: **Same**
 ADDRESS:
 CITY: STATE: ZIP:
 PHONE: FAX:

LAB PROJECT #: CLIENT PROJECT #:
 TURNAROUND TIME: (WORKING DAYS)
 1 2 3 4 5 STD OTHER

PROJECT NAME/SITE NAME:

ATTN: **Reporting** ATTN: **Accounts Payable**

COMMENTS: Please email results to reporting@paradigmenv.com

Date Due: 8/30/18

REQUESTED ANALYSIS

| DATE | TIME | COMPOSITE | GRAB | SAMPLE LOCATION/FIELD ID | MATRIX | CONTAINER NUMBER | REMARKS | PARADIGM LAB SAMPLE NUMBER |
|-----------|-----------|-----------|------|--------------------------|--------|------------------|--|----------------------------|
| 1 8/16/18 | 1440 | | | BH-6 (4-b) | Soil | 1 X | ASP cut B package due 9/10/18 Report 5 flags SDG closed Report as dry weight | |
| 2 | 1155 | | | BH-2 (19-20) | | 1 X | | |
| 3 | 1310/1305 | | | BH-1 (0-3) | | 1 X | | |
| 4 | 1047/1310 | | | BH-2 (13.5-15) | | 1 X | | |
| 5 | 1350/1417 | | | BH-35 (12-13.5) | | 1 X | | |
| 6 | 930/1350 | | | BH-5 (4-6) | | 1 X | | |
| 7 | 930/1300 | | | BH-4 (11.5-12) | | 1 X | | |
| 8 | 1350/1330 | | | BH-4 (0-1) | | 1 X | | |
| 9 | 1755/1350 | | | BH-5 (0-2) | | 1 X | | |
| 10 ✓ | 1440 | | | BH-6 (0-2) | | 1 X | | |

****LAB USE ONLY BELOW THIS LINE****

Sample Condition: Per NELAC/ELAP 210/241/242/243/244

| Receipt Parameter | NELAC Compliance |
|-------------------|---|
| Container Type: | Y <input type="checkbox"/> N <input type="checkbox"/> |
| Comments: | |
| Preservation: | Y <input type="checkbox"/> N <input type="checkbox"/> |
| Comments: | |
| Holding Time: | Y <input type="checkbox"/> N <input type="checkbox"/> |
| Comments: | |
| Temperature: | Y <input type="checkbox"/> N <input type="checkbox"/> |
| Comments: | |

Client

Sampled By _____ Date/Time _____
 Relinquished By _____ Date/Time _____
 Received By _____ Date/Time _____
 Received By _____ Date/Time _____
 Received @ Lab By _____ Date/Time _____

Total Cost:

P.I.F.



Lab Project ID: 184415

Client: **BE3**

Project Reference: 31 + 150 Tonawanda

Sample Identifier: 31-MW-2

Lab Sample ID: 184415-01

Matrix: Groundwater

Date Sampled: 9/24/2018

Date Received: 9/25/2018

Part 375 Metals (ICP)

| Analyte | Result | Units | Qualifier | Date Analyzed |
|----------------|----------------|--------------|------------------|----------------------|
| Arsenic | < 0.0100 | mg/L | | 9/27/2018 09:58 |
| Barium | < 0.100 | mg/L | | 9/27/2018 09:58 |
| Beryllium | < 0.00500 | mg/L | | 9/27/2018 09:58 |
| Cadmium | < 0.00500 | mg/L | | 9/27/2018 09:58 |
| Chromium | 0.00502 | mg/L | J | 9/27/2018 09:58 |
| Copper | 0.0202 | mg/L | | 9/27/2018 09:58 |
| Lead | 0.00620 | mg/L | J | 10/9/2018 12:55 |
| Manganese | 0.547 | mg/L | | 9/27/2018 09:58 |
| Nickel | < 0.0400 | mg/L | | 9/27/2018 09:58 |
| Selenium | < 0.0400 | mg/L | | 9/27/2018 17:35 |
| Silver | < 0.0100 | mg/L | | 9/27/2018 09:58 |
| Zinc | 0.0389 | mg/L | J | 9/27/2018 09:58 |

Method Reference(s): EPA 6010C
EPA 3005A
Preparation Date: 9/26/2018
Data File: 180927A

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Report Prepared Thursday, October 11, 2018



Lab Project ID: 184415

Client: **BE3**

Project Reference: 31 + 150 Tonawanda

Sample Identifier: 31-MW-2

Lab Sample ID: 184415-01

Matrix: Groundwater

Date Sampled: 9/24/2018

Date Received: 9/25/2018

Mercury

| <u>Analyte</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|----------------|---------------|--------------|------------------|----------------------|
| Mercury | < 0.000200 | mg/L | | 9/27/2018 13:58 |

Method Reference(s): EPA 7470A
Preparation Date: 9/27/2018
Data File: Hg180927A

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Report Prepared Thursday, October 11, 2018



Lab Project ID: 184415

Client: **BE3**

Project Reference: 31 + 150 Tonawanda

Sample Identifier: 31-MW-2

Lab Sample ID: 184415-01

Matrix: Groundwater

Date Sampled: 9/24/2018

Date Received: 9/25/2018

PCBs

| <u>Analyte</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|-----------------------|----------------------|---------------------|-------------------------|-----------------------------|
| PCB-1016 | < 0.100 | ug/L | | 10/4/2018 11:27 |
| PCB-1221 | < 0.100 | ug/L | | 10/4/2018 11:27 |
| PCB-1232 | < 0.100 | ug/L | | 10/4/2018 11:27 |
| PCB-1242 | < 0.100 | ug/L | | 10/4/2018 11:27 |
| PCB-1248 | < 0.100 | ug/L | | 10/4/2018 11:27 |
| PCB-1254 | < 0.100 | ug/L | | 10/4/2018 11:27 |
| PCB-1260 | 1.22 | ug/L | | 10/4/2018 11:27 |
| PCB-1262 | < 0.100 | ug/L | | 10/4/2018 11:27 |
| PCB-1268 | < 0.100 | ug/L | | 10/4/2018 11:27 |

| <u>Surrogate</u> | <u>Percent Recovery</u> | <u>Limits</u> | <u>Outliers</u> | <u>Date Analyzed</u> |
|-------------------------|--------------------------------|----------------------|------------------------|-----------------------------|
| Decachlorobiphenyl | 98.8 | 10 - 103 | | 10/4/2018 11:27 |
| Tetrachloro-m-xylene | 50.4 | 10 - 84.8 | | 10/4/2018 11:27 |

Method Reference(s): EPA 8082A

EPA 3510C

Preparation Date: 9/27/2018

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Report Prepared Thursday, October 11, 2018



Lab Project ID: 184415

Client: **BE3**

Project Reference: 31 + 150 Tonawanda

Sample Identifier: 31-MW-2

Lab Sample ID: 184415-01

Matrix: Groundwater

Date Sampled: 9/24/2018

Date Received: 9/25/2018

Chlorinated Pesticides

| Analyte | Result | Units | Qualifier | Date Analyzed |
|---------------------|---------------|-------|-----------|-----------------|
| 4,4-DDD | < 0.100 | ug/L | | 9/26/2018 16:26 |
| 4,4-DDE | < 0.100 | ug/L | | 9/26/2018 16:26 |
| 4,4-DDT | < 0.100 | ug/L | | 9/26/2018 16:26 |
| Aldrin | < 0.100 | ug/L | | 9/26/2018 16:26 |
| alpha-BHC | < 0.100 | ug/L | | 9/26/2018 16:26 |
| beta-BHC | < 0.100 | ug/L | | 9/26/2018 16:26 |
| cis-Chlordane | < 0.100 | ug/L | | 9/26/2018 16:26 |
| delta-BHC | < 0.100 | ug/L | | 9/26/2018 16:26 |
| Dieldrin | < 0.100 | ug/L | | 9/26/2018 16:26 |
| Endosulfan I | < 0.100 | ug/L | | 9/26/2018 16:26 |
| Endosulfan II | < 0.100 | ug/L | | 9/26/2018 16:26 |
| Endosulfan Sulfate | < 0.100 | ug/L | | 9/26/2018 16:26 |
| Endrin | < 0.100 | ug/L | | 9/26/2018 16:26 |
| Endrin Aldehyde | < 0.100 | ug/L | | 9/26/2018 16:26 |
| Endrin Ketone | < 0.100 | ug/L | | 9/26/2018 16:26 |
| gamma-BHC (Lindane) | < 0.100 | ug/L | | 9/26/2018 16:26 |
| Heptachlor | < 0.100 | ug/L | | 9/26/2018 16:26 |
| Heptachlor Epoxide | 0.0866 | ug/L | JP | 9/26/2018 16:26 |
| Methoxychlor | < 0.100 | ug/L | | 9/26/2018 16:26 |
| Toxaphene | < 1.00 | ug/L | | 9/26/2018 16:26 |
| trans-Chlordane | < 0.100 | ug/L | | 9/26/2018 16:26 |

| Surrogate | Percent Recovery | Limits | Outliers | Date Analyzed |
|--------------------------|------------------|------------|----------|-----------------|
| Decachlorobiphenyl (1) | 78.1 | 23.1 - 153 | | 9/26/2018 16:26 |
| Tetrachloro-m-xylene (1) | 90.5 | 35.1 - 106 | | 9/26/2018 16:26 |

Method Reference(s): EPA 8081B

EPA 3510C

Preparation Date: 9/26/2018

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Report Prepared Thursday, October 11, 2018



Lab Project ID: 184415

Client: **BE3**

Project Reference: 31 + 150 Tonawanda

Sample Identifier: 31-MW-2

Lab Sample ID: 184415-01

Matrix: Groundwater

Date Sampled: 9/24/2018

Date Received: 9/25/2018

Semi-Volatile Organics (Acid/Base Neutrals)

| Analyte | Result | Units | Qualifier | Date Analyzed |
|------------------------------|--------|-------|-----------|-----------------|
| 1,1-Biphenyl | < 10.0 | ug/L | | 10/2/2018 21:24 |
| 1,2,4,5-Tetrachlorobenzene | < 10.0 | ug/L | | 10/2/2018 21:24 |
| 1,2,4-Trichlorobenzene | < 10.0 | ug/L | | 10/2/2018 21:24 |
| 1,2-Dichlorobenzene | < 10.0 | ug/L | | 10/2/2018 21:24 |
| 1,3-Dichlorobenzene | < 10.0 | ug/L | | 10/2/2018 21:24 |
| 1,4-Dichlorobenzene | < 10.0 | ug/L | | 10/2/2018 21:24 |
| 2,2-Oxybis (1-chloropropane) | < 10.0 | ug/L | | 10/2/2018 21:24 |
| 2,3,4,6-Tetrachlorophenol | < 10.0 | ug/L | | 10/2/2018 21:24 |
| 2,4,5-Trichlorophenol | < 10.0 | ug/L | | 10/2/2018 21:24 |
| 2,4,6-Trichlorophenol | < 20.0 | ug/L | | 10/2/2018 21:24 |
| 2,4-Dichlorophenol | < 10.0 | ug/L | | 10/2/2018 21:24 |
| 2,4-Dimethylphenol | < 10.0 | ug/L | | 10/2/2018 21:24 |
| 2,4-Dinitrophenol | < 20.0 | ug/L | | 10/2/2018 21:24 |
| 2,4-Dinitrotoluene | < 10.0 | ug/L | | 10/2/2018 21:24 |
| 2,6-Dinitrotoluene | < 10.0 | ug/L | | 10/2/2018 21:24 |
| 2-Chloronaphthalene | < 10.0 | ug/L | | 10/2/2018 21:24 |
| 2-Chlorophenol | < 10.0 | ug/L | | 10/2/2018 21:24 |
| 2-Methylnapthalene | < 10.0 | ug/L | | 10/2/2018 21:24 |
| 2-Methylphenol | < 10.0 | ug/L | | 10/2/2018 21:24 |
| 2-Nitroaniline | < 20.0 | ug/L | | 10/2/2018 21:24 |
| 2-Nitrophenol | < 10.0 | ug/L | | 10/2/2018 21:24 |
| 3&4-Methylphenol | < 10.0 | ug/L | | 10/2/2018 21:24 |
| 3,3'-Dichlorobenzidine | < 10.0 | ug/L | | 10/2/2018 21:24 |
| 3-Nitroaniline | < 20.0 | ug/L | | 10/2/2018 21:24 |
| 4,6-Dinitro-2-methylphenol | < 20.0 | ug/L | | 10/2/2018 21:24 |
| 4-Bromophenyl phenyl ether | < 10.0 | ug/L | | 10/2/2018 21:24 |
| 4-Chloro-3-methylphenol | < 10.0 | ug/L | | 10/2/2018 21:24 |

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Report Prepared Thursday, October 11, 2018



Lab Project ID: 184415

Client: **BE3**

Project Reference: 31 + 150 Tonawanda

| | | | | |
|------------------------------|-------------|------|----------------|-----------|
| Sample Identifier: | 31-MW-2 | | | |
| Lab Sample ID: | 184415-01 | | Date Sampled: | 9/24/2018 |
| Matrix: | Groundwater | | Date Received: | 9/25/2018 |
| 4-Chloroaniline | < 10.0 | ug/L | 10/2/2018 | 21:24 |
| 4-Chlorophenyl phenyl ether | < 10.0 | ug/L | 10/2/2018 | 21:24 |
| 4-Nitroaniline | < 20.0 | ug/L | 10/2/2018 | 21:24 |
| 4-Nitrophenol | < 20.0 | ug/L | 10/2/2018 | 21:24 |
| Acenaphthene | < 10.0 | ug/L | 10/2/2018 | 21:24 |
| Acenaphthylene | < 10.0 | ug/L | 10/2/2018 | 21:24 |
| Acetophenone | < 10.0 | ug/L | 10/2/2018 | 21:24 |
| Anthracene | < 10.0 | ug/L | 10/2/2018 | 21:24 |
| Atrazine | < 10.0 | ug/L | 10/2/2018 | 21:24 |
| Benzaldehyde | < 10.0 | ug/L | 10/2/2018 | 21:24 |
| Benzo (a) anthracene | < 10.0 | ug/L | 10/2/2018 | 21:24 |
| Benzo (a) pyrene | < 10.0 | ug/L | 10/2/2018 | 21:24 |
| Benzo (b) fluoranthene | < 10.0 | ug/L | 10/2/2018 | 21:24 |
| Benzo (g,h,i) perylene | < 10.0 | ug/L | 10/2/2018 | 21:24 |
| Benzo (k) fluoranthene | < 10.0 | ug/L | 10/2/2018 | 21:24 |
| Bis (2-chloroethoxy) methane | < 10.0 | ug/L | 10/2/2018 | 21:24 |
| Bis (2-chloroethyl) ether | < 10.0 | ug/L | 10/2/2018 | 21:24 |
| Bis (2-ethylhexyl) phthalate | < 10.0 | ug/L | 10/2/2018 | 21:24 |
| Butylbenzylphthalate | < 10.0 | ug/L | 10/2/2018 | 21:24 |
| Caprolactam | < 10.0 | ug/L | 10/2/2018 | 21:24 |
| Carbazole | < 10.0 | ug/L | 10/2/2018 | 21:24 |
| Chrysene | < 10.0 | ug/L | 10/2/2018 | 21:24 |
| Dibenz (a,h) anthracene | < 10.0 | ug/L | 10/2/2018 | 21:24 |
| Dibenzofuran | < 10.0 | ug/L | 10/2/2018 | 21:24 |
| Diethyl phthalate | < 10.0 | ug/L | 10/2/2018 | 21:24 |
| Dimethyl phthalate | < 20.0 | ug/L | 10/2/2018 | 21:24 |
| Di-n-butyl phthalate | < 10.0 | ug/L | 10/2/2018 | 21:24 |
| Di-n-octylphthalate | < 10.0 | ug/L | 10/2/2018 | 21:24 |
| Fluoranthene | < 10.0 | ug/L | 10/2/2018 | 21:24 |
| Fluorene | < 10.0 | ug/L | 10/2/2018 | 21:24 |

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Report Prepared Thursday, October 11, 2018



Lab Project ID: 184415

Client: **BE3**

Project Reference: 31 + 150 Tonawanda

Sample Identifier: 31-MW-2

Lab Sample ID: 184415-01

Date Sampled: 9/24/2018

Matrix: Groundwater

Date Received: 9/25/2018

| | | | | |
|----------------------------|--------|------|-----------|-------|
| Hexachlorobenzene | < 10.0 | ug/L | 10/2/2018 | 21:24 |
| Hexachlorobutadiene | < 10.0 | ug/L | 10/2/2018 | 21:24 |
| Hexachlorocyclopentadiene | < 10.0 | ug/L | 10/2/2018 | 21:24 |
| Hexachloroethane | < 10.0 | ug/L | 10/2/2018 | 21:24 |
| Indeno (1,2,3-cd) pyrene | < 10.0 | ug/L | 10/2/2018 | 21:24 |
| Isophorone | < 10.0 | ug/L | 10/2/2018 | 21:24 |
| Naphthalene | < 10.0 | ug/L | 10/2/2018 | 21:24 |
| Nitrobenzene | < 10.0 | ug/L | 10/2/2018 | 21:24 |
| N-Nitroso-di-n-propylamine | < 10.0 | ug/L | 10/2/2018 | 21:24 |
| N-Nitrosodiphenylamine | < 10.0 | ug/L | 10/2/2018 | 21:24 |
| Pentachlorophenol | < 20.0 | ug/L | 10/2/2018 | 21:24 |
| Phenanthrene | < 10.0 | ug/L | 10/2/2018 | 21:24 |
| Phenol | < 10.0 | ug/L | 10/2/2018 | 21:24 |
| Pyrene | < 10.0 | ug/L | 10/2/2018 | 21:24 |

| Surrogate | Percent Recovery | Limits | Outliers | Date Analyzed |
|----------------------|------------------|-------------|----------|-----------------|
| 2,4,6-Tribromophenol | 64.0 | 48.7 - 113 | | 10/2/2018 21:24 |
| 2-Fluorobiphenyl | 44.4 | 28.7 - 98.8 | | 10/2/2018 21:24 |
| 2-Fluorophenol | 30.3 | 10.5 - 105 | | 10/2/2018 21:24 |
| Nitrobenzene-d5 | 54.4 | 47.4 - 94.5 | | 10/2/2018 21:24 |
| Phenol-d5 | 22.9 | 10 - 101 | | 10/2/2018 21:24 |
| Terphenyl-d14 | 56.9 | 56.7 - 107 | | 10/2/2018 21:24 |

Method Reference(s): EPA 8270D

EPA 3510C

Preparation Date: 9/28/2018

Data File: B32152.D

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Report Prepared Thursday, October 11, 2018



Lab Project ID: 184415

Client: **BE3**

Project Reference: 31 + 150 Tonawanda

Sample Identifier: 31-MW-2

Lab Sample ID: 184415-01

Matrix: Groundwater

Date Sampled: 9/24/2018

Date Received: 9/25/2018

Volatile Organics

| Analyte | Result | Units | Qualifier | Date Analyzed |
|-----------------------------|--------|-------|-----------|-----------------|
| 1,1,1-Trichloroethane | 1.21 | ug/L | J | 9/28/2018 20:18 |
| 1,1,2,2-Tetrachloroethane | < 2.00 | ug/L | | 9/28/2018 20:18 |
| 1,1,2-Trichloroethane | < 2.00 | ug/L | | 9/28/2018 20:18 |
| 1,1-Dichloroethane | < 2.00 | ug/L | | 9/28/2018 20:18 |
| 1,1-Dichloroethene | < 2.00 | ug/L | | 9/28/2018 20:18 |
| 1,2,3-Trichlorobenzene | < 5.00 | ug/L | | 9/28/2018 20:18 |
| 1,2,4-Trichlorobenzene | < 5.00 | ug/L | | 9/28/2018 20:18 |
| 1,2,4-Trimethylbenzene | < 2.00 | ug/L | | 9/28/2018 20:18 |
| 1,2-Dibromo-3-Chloropropane | < 10.0 | ug/L | | 9/28/2018 20:18 |
| 1,2-Dibromoethane | < 2.00 | ug/L | | 9/28/2018 20:18 |
| 1,2-Dichlorobenzene | < 2.00 | ug/L | | 9/28/2018 20:18 |
| 1,2-Dichloroethane | < 2.00 | ug/L | | 9/28/2018 20:18 |
| 1,2-Dichloropropane | < 2.00 | ug/L | | 9/28/2018 20:18 |
| 1,3,5-Trimethylbenzene | < 2.00 | ug/L | | 9/28/2018 20:18 |
| 1,3-Dichlorobenzene | < 2.00 | ug/L | | 9/28/2018 20:18 |
| 1,4-Dichlorobenzene | < 2.00 | ug/L | | 9/28/2018 20:18 |
| 1,4-Dioxane | < 20.0 | ug/L | | 9/28/2018 20:18 |
| 2-Butanone | < 10.0 | ug/L | | 9/28/2018 20:18 |
| 2-Hexanone | < 5.00 | ug/L | | 9/28/2018 20:18 |
| 4-Methyl-2-pentanone | < 5.00 | ug/L | | 9/28/2018 20:18 |
| Acetone | 5.13 | ug/L | J | 9/28/2018 20:18 |
| Benzene | < 1.00 | ug/L | | 9/28/2018 20:18 |
| Bromochloromethane | < 5.00 | ug/L | | 9/28/2018 20:18 |
| Bromodichloromethane | < 2.00 | ug/L | | 9/28/2018 20:18 |
| Bromoform | < 5.00 | ug/L | | 9/28/2018 20:18 |
| Bromomethane | < 2.00 | ug/L | | 9/28/2018 20:18 |
| Carbon disulfide | 3.45 | ug/L | | 9/28/2018 20:18 |

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Report Prepared Thursday, October 11, 2018



Lab Project ID: 184415

Client: BE3

Project Reference: 31 + 150 Tonawanda

Sample Identifier: 31-MW-2

Lab Sample ID: 184415-01

Date Sampled: 9/24/2018

Matrix: Groundwater

Date Received: 9/25/2018

| | | | |
|---------------------------|-------------|------|-----------------|
| Carbon Tetrachloride | < 2.00 | ug/L | 9/28/2018 20:18 |
| Chlorobenzene | < 2.00 | ug/L | 9/28/2018 20:18 |
| Chloroethane | < 2.00 | ug/L | 9/28/2018 20:18 |
| Chloroform | < 2.00 | ug/L | 9/28/2018 20:18 |
| Chloromethane | < 2.00 | ug/L | 9/28/2018 20:18 |
| cis-1,2-Dichloroethene | 2.10 | ug/L | 9/28/2018 20:18 |
| cis-1,3-Dichloropropene | < 2.00 | ug/L | 9/28/2018 20:18 |
| Cyclohexane | < 10.0 | ug/L | 9/28/2018 20:18 |
| Dibromochloromethane | < 2.00 | ug/L | 9/28/2018 20:18 |
| Dichlorodifluoromethane | < 2.00 | ug/L | 9/28/2018 20:18 |
| Ethylbenzene | < 2.00 | ug/L | 9/28/2018 20:18 |
| Freon 113 | < 2.00 | ug/L | 9/28/2018 20:18 |
| Isopropylbenzene | < 2.00 | ug/L | 9/28/2018 20:18 |
| m,p-Xylene | < 2.00 | ug/L | 9/28/2018 20:18 |
| Methyl acetate | < 2.00 | ug/L | 9/28/2018 20:18 |
| Methyl tert-butyl Ether | < 2.00 | ug/L | 9/28/2018 20:18 |
| Methylcyclohexane | < 2.00 | ug/L | 9/28/2018 20:18 |
| Methylene chloride | < 5.00 | ug/L | 9/28/2018 20:18 |
| Naphthalene | < 5.00 | ug/L | 9/28/2018 20:18 |
| n-Butylbenzene | < 2.00 | ug/L | 9/28/2018 20:18 |
| n-Propylbenzene | < 2.00 | ug/L | 9/28/2018 20:18 |
| o-Xylene | < 2.00 | ug/L | 9/28/2018 20:18 |
| p-Isopropyltoluene | < 2.00 | ug/L | 9/28/2018 20:18 |
| sec-Butylbenzene | < 2.00 | ug/L | 9/28/2018 20:18 |
| Styrene | < 5.00 | ug/L | 9/28/2018 20:18 |
| tert-Butylbenzene | < 2.00 | ug/L | 9/28/2018 20:18 |
| Tetrachloroethene | < 2.00 | ug/L | 9/28/2018 20:18 |
| Toluene | < 2.00 | ug/L | 9/28/2018 20:18 |
| trans-1,2-Dichloroethene | < 2.00 | ug/L | 9/28/2018 20:18 |
| trans-1,3-Dichloropropene | < 2.00 | ug/L | 9/28/2018 20:18 |

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Lab Project ID: 184415

Client: **BE3**

Project Reference: 31 + 150 Tonawanda

Sample Identifier: 31-MW-2

Lab Sample ID: 184415-01

Date Sampled: 9/24/2018

Matrix: Groundwater

Date Received: 9/25/2018

| | | | |
|------------------------|--------|------|-----------------|
| Trichloroethene | < 2.00 | ug/L | 9/28/2018 20:18 |
| Trichlorofluoromethane | < 2.00 | ug/L | 9/28/2018 20:18 |
| Vinyl chloride | < 2.00 | ug/L | 9/28/2018 20:18 |

| Surrogate | Percent Recovery | Limits | Outliers | Date Analyzed |
|-----------------------|-------------------------|---------------|-----------------|----------------------|
| 1,2-Dichloroethane-d4 | 122 | 80.7 - 121 | * | 9/28/2018 20:18 |
| 4-Bromofluorobenzene | 80.1 | 74.3 - 121 | | 9/28/2018 20:18 |
| Pentafluorobenzene | 92.9 | 86.2 - 111 | | 9/28/2018 20:18 |
| Toluene-D8 | 87.1 | 86.2 - 112 | | 9/28/2018 20:18 |

Method Reference(s): EPA 8260C

EPA 5030C

Data File: x54648.D

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Report Prepared Thursday, October 11, 2018



Lab Project ID: 184415

Client: **BE3**

Project Reference: 31 + 150 Tonawanda

Sample Identifier: 31-MW-2

Lab Sample ID: 184415-01

Date Sampled: 9/24/2018

Matrix: Groundwater

Date Received: 9/25/2018

Total Cyanide

| <u>Analyte</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|----------------------|----------------|--------------|------------------|----------------------|
| Cyanide, Total | < 0.0100 | mg/L | | 10/1/2018 |
| Method Reference(s): | SM22 4500 CN E | | | |
| Preparation Date: | 10/1/2018 | | | |

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Report Prepared Thursday, October 11, 2018



Lab Project ID: 184415

Client: **BE3**

Project Reference: 31 + 150 Tonawanda

Sample Identifier: 31-MW-1

Lab Sample ID: 184415-02

Matrix: Groundwater

Date Sampled: 9/24/2018

Date Received: 9/25/2018

PCBs

| <u>Analyte</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|-----------------------|----------------------|---------------------|-------------------------|-----------------------------|
| PCB-1016 | < 0.200 | ug/L | | 9/29/2018 22:30 |
| PCB-1221 | < 0.200 | ug/L | | 9/29/2018 22:30 |
| PCB-1232 | < 0.200 | ug/L | | 9/29/2018 22:30 |
| PCB-1242 | < 0.200 | ug/L | | 9/29/2018 22:30 |
| PCB-1248 | < 0.200 | ug/L | | 9/29/2018 22:30 |
| PCB-1254 | < 0.200 | ug/L | | 9/29/2018 22:30 |
| PCB-1260 | 1.81 | ug/L | | 9/29/2018 22:30 |
| PCB-1262 | < 0.200 | ug/L | | 9/29/2018 22:30 |
| PCB-1268 | < 0.200 | ug/L | | 9/29/2018 22:30 |

| <u>Surrogate</u> | <u>Percent Recovery</u> | <u>Limits</u> | <u>Outliers</u> | <u>Date Analyzed</u> |
|-------------------------|--------------------------------|----------------------|------------------------|-----------------------------|
| Decachlorobiphenyl | 63.7 | 10 - 103 | | 9/29/2018 22:30 |
| Tetrachloro-m-xylene | 35.3 | 10 - 84.8 | | 9/29/2018 22:30 |

Method Reference(s): EPA 8082A
EPA 3510C
Preparation Date: 9/27/2018

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Report Prepared Thursday, October 11, 2018



Lab Project ID: 184415

Client: **BE3**

Project Reference: 31 + 150 Tonawanda

Sample Identifier: 31-MW-1

Lab Sample ID: 184415-02

Matrix: Groundwater

Date Sampled: 9/24/2018

Date Received: 9/25/2018

Chlorinated Pesticides

| Analyte | Result | Units | Qualifier | Date Analyzed |
|---------------------|---------------|-------|-----------|-----------------|
| 4,4-DDD | < 0.100 | ug/L | | 9/26/2018 16:41 |
| 4,4-DDE | < 0.100 | ug/L | | 9/26/2018 16:41 |
| 4,4-DDT | < 0.100 | ug/L | | 9/26/2018 16:41 |
| Aldrin | 0.0570 | ug/L | JP | 9/26/2018 16:41 |
| alpha-BHC | < 0.100 | ug/L | | 9/26/2018 16:41 |
| beta-BHC | < 0.100 | ug/L | | 9/26/2018 16:41 |
| cis-Chlordane | < 0.100 | ug/L | | 9/26/2018 16:41 |
| delta-BHC | < 0.100 | ug/L | | 9/26/2018 16:41 |
| Dieldrin | < 0.100 | ug/L | | 9/26/2018 16:41 |
| Endosulfan I | < 0.100 | ug/L | | 9/26/2018 16:41 |
| Endosulfan II | < 0.100 | ug/L | | 9/26/2018 16:41 |
| Endosulfan Sulfate | < 0.100 | ug/L | | 9/26/2018 16:41 |
| Endrin | < 0.100 | ug/L | | 9/26/2018 16:41 |
| Endrin Aldehyde | < 0.100 | ug/L | | 9/26/2018 16:41 |
| Endrin Ketone | < 0.100 | ug/L | | 9/26/2018 16:41 |
| gamma-BHC (Lindane) | < 0.100 | ug/L | | 9/26/2018 16:41 |
| Heptachlor | < 0.100 | ug/L | | 9/26/2018 16:41 |
| Heptachlor Epoxide | 0.0868 | ug/L | JP | 9/26/2018 16:41 |
| Methoxychlor | < 0.100 | ug/L | | 9/26/2018 16:41 |
| Toxaphene | < 1.00 | ug/L | | 9/26/2018 16:41 |
| trans-Chlordane | < 0.100 | ug/L | | 9/26/2018 16:41 |

| Surrogate | Percent Recovery | Limits | Outliers | Date Analyzed |
|--------------------------|------------------|------------|----------|-----------------|
| Decachlorobiphenyl (1) | 75.3 | 23.1 - 153 | | 9/26/2018 16:41 |
| Tetrachloro-m-xylene (1) | 86.1 | 35.1 - 106 | | 9/26/2018 16:41 |

Method Reference(s): EPA 8081B

EPA 3510C

Preparation Date: 9/26/2018

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Report Prepared Thursday, October 11, 2018



Lab Project ID: 184415

Client: **BE3**

Project Reference: 31 + 150 Tonawanda

Sample Identifier: 31-MW-1

Lab Sample ID: 184415-02

Matrix: Groundwater

Date Sampled: 9/24/2018

Date Received: 9/25/2018

Semi-Volatile Organics (Acid/Base Neutrals)

| Analyte | Result | Units | Qualifier | Date Analyzed |
|------------------------------|--------|-------|-----------|-----------------|
| 1,1-Biphenyl | < 10.0 | ug/L | | 10/2/2018 21:54 |
| 1,2,4,5-Tetrachlorobenzene | < 10.0 | ug/L | | 10/2/2018 21:54 |
| 1,2,4-Trichlorobenzene | < 10.0 | ug/L | | 10/2/2018 21:54 |
| 1,2-Dichlorobenzene | < 10.0 | ug/L | | 10/2/2018 21:54 |
| 1,3-Dichlorobenzene | < 10.0 | ug/L | | 10/2/2018 21:54 |
| 1,4-Dichlorobenzene | < 10.0 | ug/L | | 10/2/2018 21:54 |
| 2,2-Oxybis (1-chloropropane) | < 10.0 | ug/L | | 10/2/2018 21:54 |
| 2,3,4,6-Tetrachlorophenol | < 10.0 | ug/L | | 10/2/2018 21:54 |
| 2,4,5-Trichlorophenol | < 10.0 | ug/L | | 10/2/2018 21:54 |
| 2,4,6-Trichlorophenol | < 20.0 | ug/L | | 10/2/2018 21:54 |
| 2,4-Dichlorophenol | < 10.0 | ug/L | | 10/2/2018 21:54 |
| 2,4-Dimethylphenol | < 10.0 | ug/L | | 10/2/2018 21:54 |
| 2,4-Dinitrophenol | < 20.0 | ug/L | | 10/2/2018 21:54 |
| 2,4-Dinitrotoluene | < 10.0 | ug/L | | 10/2/2018 21:54 |
| 2,6-Dinitrotoluene | < 10.0 | ug/L | | 10/2/2018 21:54 |
| 2-Chloronaphthalene | < 10.0 | ug/L | | 10/2/2018 21:54 |
| 2-Chlorophenol | < 10.0 | ug/L | | 10/2/2018 21:54 |
| 2-Methylnapthalene | < 10.0 | ug/L | | 10/2/2018 21:54 |
| 2-Methylphenol | < 10.0 | ug/L | | 10/2/2018 21:54 |
| 2-Nitroaniline | < 20.0 | ug/L | | 10/2/2018 21:54 |
| 2-Nitrophenol | < 10.0 | ug/L | | 10/2/2018 21:54 |
| 3&4-Methylphenol | < 10.0 | ug/L | | 10/2/2018 21:54 |
| 3,3'-Dichlorobenzidine | < 10.0 | ug/L | | 10/2/2018 21:54 |
| 3-Nitroaniline | < 20.0 | ug/L | | 10/2/2018 21:54 |
| 4,6-Dinitro-2-methylphenol | < 20.0 | ug/L | | 10/2/2018 21:54 |
| 4-Bromophenyl phenyl ether | < 10.0 | ug/L | | 10/2/2018 21:54 |
| 4-Chloro-3-methylphenol | < 10.0 | ug/L | | 10/2/2018 21:54 |

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Report Prepared Thursday, October 11, 2018



Lab Project ID: 184415

Client: **BE3**

Project Reference: 31 + 150 Tonawanda

Sample Identifier: 31-MW-1

Lab Sample ID: 184415-02

Date Sampled: 9/24/2018

Matrix: Groundwater

Date Received: 9/25/2018

| | | | | |
|------------------------------|--------|------|-----------|-------|
| 4-Chloroaniline | < 10.0 | ug/L | 10/2/2018 | 21:54 |
| 4-Chlorophenyl phenyl ether | < 10.0 | ug/L | 10/2/2018 | 21:54 |
| 4-Nitroaniline | < 20.0 | ug/L | 10/2/2018 | 21:54 |
| 4-Nitrophenol | < 20.0 | ug/L | 10/2/2018 | 21:54 |
| Acenaphthene | < 10.0 | ug/L | 10/2/2018 | 21:54 |
| Acenaphthylene | < 10.0 | ug/L | 10/2/2018 | 21:54 |
| Acetophenone | < 10.0 | ug/L | 10/2/2018 | 21:54 |
| Anthracene | < 10.0 | ug/L | 10/2/2018 | 21:54 |
| Atrazine | < 10.0 | ug/L | 10/2/2018 | 21:54 |
| Benzaldehyde | < 10.0 | ug/L | 10/2/2018 | 21:54 |
| Benzo (a) anthracene | < 10.0 | ug/L | 10/2/2018 | 21:54 |
| Benzo (a) pyrene | < 10.0 | ug/L | 10/2/2018 | 21:54 |
| Benzo (b) fluoranthene | < 10.0 | ug/L | 10/2/2018 | 21:54 |
| Benzo (g,h,i) perylene | < 10.0 | ug/L | 10/2/2018 | 21:54 |
| Benzo (k) fluoranthene | < 10.0 | ug/L | 10/2/2018 | 21:54 |
| Bis (2-chloroethoxy) methane | < 10.0 | ug/L | 10/2/2018 | 21:54 |
| Bis (2-chloroethyl) ether | < 10.0 | ug/L | 10/2/2018 | 21:54 |
| Bis (2-ethylhexyl) phthalate | < 10.0 | ug/L | 10/2/2018 | 21:54 |
| Butylbenzylphthalate | < 10.0 | ug/L | 10/2/2018 | 21:54 |
| Caprolactam | < 10.0 | ug/L | 10/2/2018 | 21:54 |
| Carbazole | < 10.0 | ug/L | 10/2/2018 | 21:54 |
| Chrysene | < 10.0 | ug/L | 10/2/2018 | 21:54 |
| Dibenz (a,h) anthracene | < 10.0 | ug/L | 10/2/2018 | 21:54 |
| Dibenzofuran | < 10.0 | ug/L | 10/2/2018 | 21:54 |
| Diethyl phthalate | < 10.0 | ug/L | 10/2/2018 | 21:54 |
| Dimethyl phthalate | < 20.0 | ug/L | 10/2/2018 | 21:54 |
| Di-n-butyl phthalate | < 10.0 | ug/L | 10/2/2018 | 21:54 |
| Di-n-octylphthalate | < 10.0 | ug/L | 10/2/2018 | 21:54 |
| Fluoranthene | < 10.0 | ug/L | 10/2/2018 | 21:54 |
| Fluorene | < 10.0 | ug/L | 10/2/2018 | 21:54 |

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Report Prepared Thursday, October 11, 2018



Lab Project ID: 184415

Client: **BE3**

Project Reference: 31 + 150 Tonawanda

Sample Identifier: 31-MW-1

Lab Sample ID: 184415-02

Date Sampled: 9/24/2018

Matrix: Groundwater

Date Received: 9/25/2018

| | | | | |
|----------------------------|--------|------|-----------|-------|
| Hexachlorobenzene | < 10.0 | ug/L | 10/2/2018 | 21:54 |
| Hexachlorobutadiene | < 10.0 | ug/L | 10/2/2018 | 21:54 |
| Hexachlorocyclopentadiene | < 10.0 | ug/L | 10/2/2018 | 21:54 |
| Hexachloroethane | < 10.0 | ug/L | 10/2/2018 | 21:54 |
| Indeno (1,2,3-cd) pyrene | < 10.0 | ug/L | 10/2/2018 | 21:54 |
| Isophorone | < 10.0 | ug/L | 10/2/2018 | 21:54 |
| Naphthalene | < 10.0 | ug/L | 10/2/2018 | 21:54 |
| Nitrobenzene | < 10.0 | ug/L | 10/2/2018 | 21:54 |
| N-Nitroso-di-n-propylamine | < 10.0 | ug/L | 10/2/2018 | 21:54 |
| N-Nitrosodiphenylamine | < 10.0 | ug/L | 10/2/2018 | 21:54 |
| Pentachlorophenol | < 20.0 | ug/L | 10/2/2018 | 21:54 |
| Phenanthrene | < 10.0 | ug/L | 10/2/2018 | 21:54 |
| Phenol | < 10.0 | ug/L | 10/2/2018 | 21:54 |
| Pyrene | < 10.0 | ug/L | 10/2/2018 | 21:54 |

| Surrogate | Percent Recovery | Limits | Outliers | Date Analyzed |
|----------------------|------------------|-------------|----------|-----------------|
| 2,4,6-Tribromophenol | 66.7 | 48.7 - 113 | | 10/2/2018 21:54 |
| 2-Fluorobiphenyl | 46.6 | 28.7 - 98.8 | | 10/2/2018 21:54 |
| 2-Fluorophenol | 28.4 | 10.5 - 105 | | 10/2/2018 21:54 |
| Nitrobenzene-d5 | 51.1 | 47.4 - 94.5 | | 10/2/2018 21:54 |
| Phenol-d5 | 21.9 | 10 - 101 | | 10/2/2018 21:54 |
| Terphenyl-d14 | 56.6 | 56.7 - 107 | * | 10/2/2018 21:54 |

Method Reference(s): EPA 8270D
EPA 3510C
Preparation Date: 9/28/2018
Data File: B32153.D

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Report Prepared Thursday, October 11, 2018



Lab Project ID: 184415

Client: BE3

Project Reference: 31 + 150 Tonawanda

Sample Identifier: 31-MW-1

Lab Sample ID: 184415-02

Matrix: Groundwater

Date Sampled: 9/24/2018

Date Received: 9/25/2018

Volatile Organics

| Analyte | Result | Units | Qualifier | Date Analyzed |
|-----------------------------|---------------|--------------|------------------|----------------------|
| 1,1,1-Trichloroethane | < 2.00 | ug/L | | 9/28/2018 20:42 |
| 1,1,2,2-Tetrachloroethane | < 2.00 | ug/L | | 9/28/2018 20:42 |
| 1,1,2-Trichloroethane | < 2.00 | ug/L | | 9/28/2018 20:42 |
| 1,1-Dichloroethane | < 2.00 | ug/L | | 9/28/2018 20:42 |
| 1,1-Dichloroethene | < 2.00 | ug/L | | 9/28/2018 20:42 |
| 1,2,3-Trichlorobenzene | < 5.00 | ug/L | | 9/28/2018 20:42 |
| 1,2,4-Trichlorobenzene | < 5.00 | ug/L | | 9/28/2018 20:42 |
| 1,2,4-Trimethylbenzene | < 2.00 | ug/L | | 9/28/2018 20:42 |
| 1,2-Dibromo-3-Chloropropane | < 10.0 | ug/L | | 9/28/2018 20:42 |
| 1,2-Dibromoethane | < 2.00 | ug/L | | 9/28/2018 20:42 |
| 1,2-Dichlorobenzene | < 2.00 | ug/L | | 9/28/2018 20:42 |
| 1,2-Dichloroethane | < 2.00 | ug/L | | 9/28/2018 20:42 |
| 1,2-Dichloropropane | < 2.00 | ug/L | | 9/28/2018 20:42 |
| 1,3,5-Trimethylbenzene | < 2.00 | ug/L | | 9/28/2018 20:42 |
| 1,3-Dichlorobenzene | < 2.00 | ug/L | | 9/28/2018 20:42 |
| 1,4-Dichlorobenzene | < 2.00 | ug/L | | 9/28/2018 20:42 |
| 1,4-Dioxane | < 20.0 | ug/L | | 9/28/2018 20:42 |
| 2-Butanone | < 10.0 | ug/L | | 9/28/2018 20:42 |
| 2-Hexanone | < 5.00 | ug/L | | 9/28/2018 20:42 |
| 4-Methyl-2-pentanone | < 5.00 | ug/L | | 9/28/2018 20:42 |
| Acetone | 12.9 | ug/L | | 9/28/2018 20:42 |
| Benzene | < 1.00 | ug/L | | 9/28/2018 20:42 |
| Bromochloromethane | < 5.00 | ug/L | | 9/28/2018 20:42 |
| Bromodichloromethane | < 2.00 | ug/L | | 9/28/2018 20:42 |
| Bromoform | < 5.00 | ug/L | | 9/28/2018 20:42 |
| Bromomethane | < 2.00 | ug/L | | 9/28/2018 20:42 |
| Carbon disulfide | < 2.00 | ug/L | | 9/28/2018 20:42 |

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Report Prepared Thursday, October 11, 2018



Lab Project ID: 184415

Client: **BE3**

Project Reference: 31 + 150 Tonawanda

Sample Identifier: 31-MW-1

Lab Sample ID: 184415-02

Date Sampled: 9/24/2018

Matrix: Groundwater

Date Received: 9/25/2018

| | | | |
|---------------------------|--------|------|-----------------|
| Carbon Tetrachloride | < 2.00 | ug/L | 9/28/2018 20:42 |
| Chlorobenzene | < 2.00 | ug/L | 9/28/2018 20:42 |
| Chloroethane | < 2.00 | ug/L | 9/28/2018 20:42 |
| Chloroform | < 2.00 | ug/L | 9/28/2018 20:42 |
| Chloromethane | < 2.00 | ug/L | 9/28/2018 20:42 |
| cis-1,2-Dichloroethene | < 2.00 | ug/L | 9/28/2018 20:42 |
| cis-1,3-Dichloropropene | < 2.00 | ug/L | 9/28/2018 20:42 |
| Cyclohexane | < 10.0 | ug/L | 9/28/2018 20:42 |
| Dibromochloromethane | < 2.00 | ug/L | 9/28/2018 20:42 |
| Dichlorodifluoromethane | < 2.00 | ug/L | 9/28/2018 20:42 |
| Ethylbenzene | < 2.00 | ug/L | 9/28/2018 20:42 |
| Freon 113 | < 2.00 | ug/L | 9/28/2018 20:42 |
| Isopropylbenzene | < 2.00 | ug/L | 9/28/2018 20:42 |
| m,p-Xylene | < 2.00 | ug/L | 9/28/2018 20:42 |
| Methyl acetate | < 2.00 | ug/L | 9/28/2018 20:42 |
| Methyl tert-butyl Ether | < 2.00 | ug/L | 9/28/2018 20:42 |
| Methylcyclohexane | < 2.00 | ug/L | 9/28/2018 20:42 |
| Methylene chloride | < 5.00 | ug/L | 9/28/2018 20:42 |
| Naphthalene | < 5.00 | ug/L | 9/28/2018 20:42 |
| n-Butylbenzene | < 2.00 | ug/L | 9/28/2018 20:42 |
| n-Propylbenzene | < 2.00 | ug/L | 9/28/2018 20:42 |
| o-Xylene | < 2.00 | ug/L | 9/28/2018 20:42 |
| p-Isopropyltoluene | < 2.00 | ug/L | 9/28/2018 20:42 |
| sec-Butylbenzene | < 2.00 | ug/L | 9/28/2018 20:42 |
| Styrene | < 5.00 | ug/L | 9/28/2018 20:42 |
| tert-Butylbenzene | < 2.00 | ug/L | 9/28/2018 20:42 |
| Tetrachloroethene | < 2.00 | ug/L | 9/28/2018 20:42 |
| Toluene | < 2.00 | ug/L | 9/28/2018 20:42 |
| trans-1,2-Dichloroethene | < 2.00 | ug/L | 9/28/2018 20:42 |
| trans-1,3-Dichloropropene | < 2.00 | ug/L | 9/28/2018 20:42 |

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Report Prepared Thursday, October 11, 2018



Lab Project ID: 184415

Client: **BE3**

Project Reference: 31 + 150 Tonawanda

Sample Identifier: 31-MW-1

Lab Sample ID: 184415-02

Date Sampled: 9/24/2018

Matrix: Groundwater

Date Received: 9/25/2018

| | | | |
|------------------------|--------|------|-----------------|
| Trichloroethene | < 2.00 | ug/L | 9/28/2018 20:42 |
| Trichlorofluoromethane | < 2.00 | ug/L | 9/28/2018 20:42 |
| Vinyl chloride | < 2.00 | ug/L | 9/28/2018 20:42 |

| Surrogate | Percent Recovery | Limits | Outliers | Date Analyzed |
|-----------------------|-------------------------|---------------|-----------------|----------------------|
| 1,2-Dichloroethane-d4 | 114 | 80.7 - 121 | | 9/28/2018 20:42 |
| 4-Bromofluorobenzene | 85.6 | 74.3 - 121 | | 9/28/2018 20:42 |
| Pentafluorobenzene | 85.7 | 86.2 - 111 | * | 9/28/2018 20:42 |
| Toluene-D8 | 87.2 | 86.2 - 112 | | 9/28/2018 20:42 |

Method Reference(s): EPA 8260C

EPA 5030C

Data File: x54649.D

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Report Prepared Thursday, October 11, 2018



Lab Project ID: 184415

Client: BE3

Project Reference: 31 + 150 Tonawanda

Sample Identifier: 31-MW-1

Lab Sample ID: 184415-02

Date Sampled: 9/24/2018

Matrix: Groundwater

Date Received: 9/25/2018

Total Cyanide

| <u>Analyte</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|----------------|---------------|--------------|------------------|----------------------|
| Cyanide, Total | < 0.0100 | mg/L | | 10/1/2018 |

Method Reference(s): SM22 4500 CN E
Preparation Date: 10/1/2018

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Report Prepared Thursday, October 11, 2018



Lab Project ID: 184415

Client: BE3

Project Reference: 31 + 150 Tonawanda

Sample Identifier: 31-MW-1

Lab Sample ID: 184415-02A

Date Sampled: 9/24/2018

Matrix: Groundwater

Date Received: 9/25/2018

Dissolved Mercury

| <u>Analyte</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|----------------|---------------|--------------|------------------|----------------------|
| Mercury | < 0.000200 | mg/L | L | 9/27/2018 14:42 |

Method Reference(s): EPA 7470A
Preparation Date: 9/27/2018
Data File: Hg180927A

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Report Prepared Thursday, October 11, 2018



Lab Project ID: 184415

Client: **BE3**

Project Reference: 31 + 150 Tonawanda

Sample Identifier: 31-MW-1

Lab Sample ID: 184415-02A

Matrix: Groundwater

Date Sampled: 9/24/2018

Date Received: 9/25/2018

Dissolved Metals

| Analyte | Result | Units | Qualifier | Date Analyzed |
|-----------|---------------|-------|-----------|-----------------|
| Arsenic | < 0.0100 | mg/L | | 9/27/2018 10:03 |
| Barium | 0.0526 | mg/L | J | 9/27/2018 10:03 |
| Beryllium | < 0.00500 | mg/L | | 9/27/2018 10:03 |
| Cadmium | < 0.00500 | mg/L | | 9/27/2018 10:03 |
| Chromium | < 0.0100 | mg/L | | 9/27/2018 10:03 |
| Copper | < 0.0200 | mg/L | | 9/27/2018 10:03 |
| Lead | < 0.0100 | mg/L | | 10/9/2018 13:08 |
| Manganese | 7.23 | mg/L | | 9/27/2018 10:03 |
| Nickel | < 0.0400 | mg/L | | 9/27/2018 10:03 |
| Selenium | < 0.0200 | mg/L | | 9/27/2018 10:03 |
| Silver | < 0.0100 | mg/L | | 9/27/2018 10:03 |
| Zinc | 0.0468 | mg/L | J | 9/27/2018 10:03 |

Method Reference(s): EPA 6010C

EPA 3005A

Preparation Date: 9/26/2018

Data File: 180927A

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Report Prepared Thursday, October 11, 2018



Lab Project ID: 184415

Client: **BE3**

Project Reference: 31 + 150 Tonawanda

Sample Identifier: 31-MW-3

Lab Sample ID: 184415-03

Matrix: Groundwater

Date Sampled: 9/24/2018

Date Received: 9/25/2018

Part 375 Metals (ICP)

| Analyte | Result | Units | Qualifier | Date Analyzed |
|----------------|---------------|--------------|------------------|----------------------|
| Arsenic | < 0.0100 | mg/L | | 9/27/2018 10:07 |
| Barium | 0.258 | mg/L | | 9/27/2018 10:07 |
| Beryllium | < 0.00500 | mg/L | | 9/27/2018 10:07 |
| Cadmium | < 0.00500 | mg/L | | 9/27/2018 10:07 |
| Chromium | < 0.0100 | mg/L | | 9/27/2018 10:07 |
| Copper | < 0.0200 | mg/L | | 9/27/2018 10:07 |
| Lead | < 0.0100 | mg/L | | 9/27/2018 10:07 |
| Manganese | 0.622 | mg/L | | 9/27/2018 10:07 |
| Nickel | < 0.0400 | mg/L | | 9/27/2018 10:07 |
| Selenium | < 0.0200 | mg/L | | 9/27/2018 10:07 |
| Silver | < 0.0100 | mg/L | | 9/27/2018 10:07 |
| Zinc | < 0.0600 | mg/L | | 9/27/2018 10:07 |

Method Reference(s): EPA 6010C
EPA 3005A
Preparation Date: 9/26/2018
Data File: 180927A

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Report Prepared Thursday, October 11, 2018



Lab Project ID: 184415

Client: **BE3**

Project Reference: 31 + 150 Tonawanda

Sample Identifier: 31-MW-3

Lab Sample ID: 184415-03

Date Sampled: 9/24/2018

Matrix: Groundwater

Date Received: 9/25/2018

Mercury

| <u>Analyte</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|-----------------------|----------------------|---------------------|-------------------------|-----------------------------|
| Mercury | < 0.000200 | mg/L | | 9/27/2018 14:15 |

Method Reference(s): EPA 7470A

Preparation Date: 9/27/2018

Data File: Hg180927A

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Report Prepared Thursday, October 11, 2018



Lab Project ID: 184415

Client: **BE3**

Project Reference: 31 + 150 Tonawanda

Sample Identifier: 31-MW-3

Lab Sample ID: 184415-03

Matrix: Groundwater

Date Sampled: 9/24/2018

Date Received: 9/25/2018

PCBs

| <u>Analyte</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|-----------------------|----------------------|---------------------|-------------------------|-----------------------------|
| PCB-1016 | < 0.100 | ug/L | | 9/29/2018 22:53 |
| PCB-1221 | < 0.100 | ug/L | | 9/29/2018 22:53 |
| PCB-1232 | < 0.100 | ug/L | | 9/29/2018 22:53 |
| PCB-1242 | < 0.100 | ug/L | | 9/29/2018 22:53 |
| PCB-1248 | < 0.100 | ug/L | | 9/29/2018 22:53 |
| PCB-1254 | < 0.100 | ug/L | | 9/29/2018 22:53 |
| PCB-1260 | < 0.100 | ug/L | | 9/29/2018 22:53 |
| PCB-1262 | < 0.100 | ug/L | | 9/29/2018 22:53 |
| PCB-1268 | < 0.100 | ug/L | | 9/29/2018 22:53 |

| <u>Surrogate</u> | <u>Percent Recovery</u> | <u>Limits</u> | <u>Outliers</u> | <u>Date Analyzed</u> |
|-------------------------|--------------------------------|----------------------|------------------------|-----------------------------|
| Decachlorobiphenyl | 88.9 | 10 - 103 | | 9/29/2018 22:53 |
| Tetrachloro-m-xylene | 551 | 10 - 84.8 | * | 9/29/2018 22:53 |

Method Reference(s): EPA 8082A

EPA 3510C

Preparation Date: 9/27/2018

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Report Prepared Thursday, October 11, 2018



Lab Project ID: 184415

Client: **BE3**

Project Reference: 31 + 150 Tonawanda

Sample Identifier: 31-MW-3

Lab Sample ID: 184415-03

Matrix: Groundwater

Date Sampled: 9/24/2018

Date Received: 9/25/2018

Chlorinated Pesticides

| Analyte | Result | Units | Qualifier | Date Analyzed |
|--------------------------|------------------|------------|-----------|-----------------|
| 4,4-DDD | < 0.100 | ug/L | MD | 9/26/2018 16:56 |
| 4,4-DDE | < 0.100 | ug/L | M | 9/26/2018 16:56 |
| 4,4-DDT | < 0.100 | ug/L | MD | 9/26/2018 16:56 |
| Aldrin | < 0.100 | ug/L | M | 9/26/2018 16:56 |
| alpha-BHC | < 0.100 | ug/L | MD | 9/26/2018 16:56 |
| beta-BHC | < 0.100 | ug/L | MD | 9/26/2018 16:56 |
| cis-Chlordane | < 0.100 | ug/L | M | 9/26/2018 16:56 |
| delta-BHC | 0.0671 | ug/L | JMDP | 9/26/2018 16:56 |
| Dieldrin | < 0.100 | ug/L | MD | 9/26/2018 16:56 |
| Endosulfan I | < 0.100 | ug/L | MD | 9/26/2018 16:56 |
| Endosulfan II | < 0.100 | ug/L | MD | 9/26/2018 16:56 |
| Endosulfan Sulfate | < 0.100 | ug/L | MD | 9/26/2018 16:56 |
| Endrin | < 0.100 | ug/L | MD | 9/26/2018 16:56 |
| Endrin Aldehyde | < 0.100 | ug/L | | 9/26/2018 16:56 |
| Endrin Ketone | < 0.100 | ug/L | MD | 9/26/2018 16:56 |
| gamma-BHC (Lindane) | < 0.100 | ug/L | MD | 9/26/2018 16:56 |
| Heptachlor | 0.104 | ug/L | MD | 9/26/2018 16:56 |
| Heptachlor Epoxide | < 0.100 | ug/L | M | 9/26/2018 16:56 |
| Methoxychlor | < 0.100 | ug/L | MD | 9/26/2018 16:56 |
| Toxaphene | < 1.00 | ug/L | | 9/26/2018 16:56 |
| trans-Chlordane | < 0.100 | ug/L | M | 9/26/2018 16:56 |
| Surrogate | Percent Recovery | Limits | Outliers | Date Analyzed |
| Decachlorobiphenyl (1) | 23.1 | 23.1 - 153 | | 9/26/2018 16:56 |
| Tetrachloro-m-xylene (1) | 7.74 | 35.1 - 106 | * | 9/26/2018 16:56 |

Internal standard outliers indicate probable matrix interference

Method Reference(s): EPA 8081B

EPA 3510C

Preparation Date: 9/26/2018

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Report Prepared Thursday, October 11, 2018



Lab Project ID: 184415

Client: **BE3**

Project Reference: 31 + 150 Tonawanda

Sample Identifier: 31-MW-3

Lab Sample ID: 184415-03

Matrix: Groundwater

Date Sampled: 9/24/2018

Date Received: 9/25/2018

Semi-Volatile Organics (Acid/Base Neutrals)

| Analyte | Result | Units | Qualifier | Date Analyzed |
|------------------------------|--------|-------|-----------|-----------------|
| 1,1-Biphenyl | < 10.0 | ug/L | | 10/2/2018 22:23 |
| 1,2,4,5-Tetrachlorobenzene | < 10.0 | ug/L | | 10/2/2018 22:23 |
| 1,2,4-Trichlorobenzene | < 10.0 | ug/L | | 10/2/2018 22:23 |
| 1,2-Dichlorobenzene | < 10.0 | ug/L | | 10/2/2018 22:23 |
| 1,3-Dichlorobenzene | < 10.0 | ug/L | | 10/2/2018 22:23 |
| 1,4-Dichlorobenzene | < 10.0 | ug/L | M | 10/2/2018 22:23 |
| 2,2-Oxybis (1-chloropropane) | < 10.0 | ug/L | | 10/2/2018 22:23 |
| 2,3,4,6-Tetrachlorophenol | < 10.0 | ug/L | | 10/2/2018 22:23 |
| 2,4,5-Trichlorophenol | < 10.0 | ug/L | | 10/2/2018 22:23 |
| 2,4,6-Trichlorophenol | < 20.0 | ug/L | | 10/2/2018 22:23 |
| 2,4-Dichlorophenol | < 10.0 | ug/L | | 10/2/2018 22:23 |
| 2,4-Dimethylphenol | < 10.0 | ug/L | | 10/2/2018 22:23 |
| 2,4-Dinitrophenol | < 20.0 | ug/L | | 10/2/2018 22:23 |
| 2,4-Dinitrotoluene | < 10.0 | ug/L | | 10/2/2018 22:23 |
| 2,6-Dinitrotoluene | < 10.0 | ug/L | | 10/2/2018 22:23 |
| 2-Chloronaphthalene | < 10.0 | ug/L | | 10/2/2018 22:23 |
| 2-Chlorophenol | < 10.0 | ug/L | | 10/2/2018 22:23 |
| 2-Methylnapthalene | < 10.0 | ug/L | | 10/2/2018 22:23 |
| 2-Methylphenol | < 10.0 | ug/L | | 10/2/2018 22:23 |
| 2-Nitroaniline | < 20.0 | ug/L | | 10/2/2018 22:23 |
| 2-Nitrophenol | < 10.0 | ug/L | | 10/2/2018 22:23 |
| 3&4-Methylphenol | 5.31 | ug/L | J | 10/2/2018 22:23 |
| 3,3'-Dichlorobenzidine | < 10.0 | ug/L | | 10/2/2018 22:23 |
| 3-Nitroaniline | < 20.0 | ug/L | | 10/2/2018 22:23 |
| 4,6-Dinitro-2-methylphenol | < 20.0 | ug/L | | 10/2/2018 22:23 |
| 4-Bromophenyl phenyl ether | < 10.0 | ug/L | | 10/2/2018 22:23 |
| 4-Chloro-3-methylphenol | < 10.0 | ug/L | | 10/2/2018 22:23 |

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Report Prepared Thursday, October 11, 2018



Lab Project ID: 184415

Client: **BE3**

Project Reference: 31 + 150 Tonawanda

| | | | | |
|------------------------------|-------------|------|----------------|-----------------|
| Sample Identifier: | 31-MW-3 | | | |
| Lab Sample ID: | 184415-03 | | Date Sampled: | 9/24/2018 |
| Matrix: | Groundwater | | Date Received: | 9/25/2018 |
| 4-Chloroaniline | < 10.0 | ug/L | | 10/2/2018 22:23 |
| 4-Chlorophenyl phenyl ether | < 10.0 | ug/L | | 10/2/2018 22:23 |
| 4-Nitroaniline | < 20.0 | ug/L | | 10/2/2018 22:23 |
| 4-Nitrophenol | < 20.0 | ug/L | | 10/2/2018 22:23 |
| Acenaphthene | < 10.0 | ug/L | M | 10/2/2018 22:23 |
| Acenaphthylene | < 10.0 | ug/L | | 10/2/2018 22:23 |
| Acetophenone | < 10.0 | ug/L | | 10/2/2018 22:23 |
| Anthracene | < 10.0 | ug/L | | 10/2/2018 22:23 |
| Atrazine | < 10.0 | ug/L | | 10/2/2018 22:23 |
| Benzaldehyde | < 10.0 | ug/L | | 10/2/2018 22:23 |
| Benzo (a) anthracene | < 10.0 | ug/L | | 10/2/2018 22:23 |
| Benzo (a) pyrene | < 10.0 | ug/L | | 10/2/2018 22:23 |
| Benzo (b) fluoranthene | < 10.0 | ug/L | | 10/2/2018 22:23 |
| Benzo (g,h,i) perylene | < 10.0 | ug/L | | 10/2/2018 22:23 |
| Benzo (k) fluoranthene | < 10.0 | ug/L | | 10/2/2018 22:23 |
| Bis (2-chloroethoxy) methane | < 10.0 | ug/L | | 10/2/2018 22:23 |
| Bis (2-chloroethyl) ether | < 10.0 | ug/L | | 10/2/2018 22:23 |
| Bis (2-ethylhexyl) phthalate | 49.2 | ug/L | | 10/2/2018 22:23 |
| Butylbenzylphthalate | < 10.0 | ug/L | | 10/2/2018 22:23 |
| Caprolactam | < 10.0 | ug/L | | 10/2/2018 22:23 |
| Carbazole | < 10.0 | ug/L | | 10/2/2018 22:23 |
| Chrysene | < 10.0 | ug/L | | 10/2/2018 22:23 |
| Dibenz (a,h) anthracene | < 10.0 | ug/L | | 10/2/2018 22:23 |
| Dibenzofuran | < 10.0 | ug/L | | 10/2/2018 22:23 |
| Diethyl phthalate | < 10.0 | ug/L | | 10/2/2018 22:23 |
| Dimethyl phthalate | < 20.0 | ug/L | | 10/2/2018 22:23 |
| Di-n-butyl phthalate | < 10.0 | ug/L | | 10/2/2018 22:23 |
| Di-n-octylphthalate | < 10.0 | ug/L | | 10/2/2018 22:23 |
| Fluoranthene | < 10.0 | ug/L | | 10/2/2018 22:23 |
| Fluorene | < 10.0 | ug/L | | 10/2/2018 22:23 |

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Report Prepared Thursday, October 11, 2018



Lab Project ID: 184415

Client: **BE3**

Project Reference: 31 + 150 Tonawanda

Sample Identifier: 31-MW-3

Lab Sample ID: 184415-03

Date Sampled: 9/24/2018

Matrix: Groundwater

Date Received: 9/25/2018

| | | | | |
|----------------------------|--------|------|-----------|-------|
| Hexachlorobenzene | < 10.0 | ug/L | 10/2/2018 | 22:23 |
| Hexachlorobutadiene | < 10.0 | ug/L | 10/2/2018 | 22:23 |
| Hexachlorocyclopentadiene | < 10.0 | ug/L | 10/2/2018 | 22:23 |
| Hexachloroethane | < 10.0 | ug/L | 10/2/2018 | 22:23 |
| Indeno (1,2,3-cd) pyrene | < 10.0 | ug/L | 10/2/2018 | 22:23 |
| Isophorone | < 10.0 | ug/L | 10/2/2018 | 22:23 |
| Naphthalene | < 10.0 | ug/L | 10/2/2018 | 22:23 |
| Nitrobenzene | < 10.0 | ug/L | 10/2/2018 | 22:23 |
| N-Nitroso-di-n-propylamine | < 10.0 | ug/L | 10/2/2018 | 22:23 |
| N-Nitrosodiphenylamine | < 10.0 | ug/L | 10/2/2018 | 22:23 |
| Pentachlorophenol | < 20.0 | ug/L | 10/2/2018 | 22:23 |
| Phenanthrene | < 10.0 | ug/L | 10/2/2018 | 22:23 |
| Phenol | < 10.0 | ug/L | 10/2/2018 | 22:23 |
| Pyrene | < 10.0 | ug/L | 10/2/2018 | 22:23 |

| Surrogate | Percent Recovery | Limits | Outliers | Date Analyzed |
|----------------------|------------------|-------------|----------|-----------------|
| 2,4,6-Tribromophenol | 67.1 | 48.7 - 113 | | 10/2/2018 22:23 |
| 2-Fluorobiphenyl | 46.5 | 28.7 - 98.8 | | 10/2/2018 22:23 |
| 2-Fluorophenol | 29.2 | 10.5 - 105 | | 10/2/2018 22:23 |
| Nitrobenzene-d5 | 53.9 | 47.4 - 94.5 | | 10/2/2018 22:23 |
| Phenol-d5 | 23.6 | 10 - 101 | | 10/2/2018 22:23 |
| Terphenyl-d14 | 59.4 | 56.7 - 107 | | 10/2/2018 22:23 |

Method Reference(s): EPA 8270D

EPA 3510C

Preparation Date: 9/28/2018

Data File: B32154.D

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Report Prepared Thursday, October 11, 2018



Lab Project ID: 184415

Client: **BE3**

Project Reference: 31 + 150 Tonawanda

Sample Identifier: 31-MW-3

Lab Sample ID: 184415-03

Matrix: Groundwater

Date Sampled: 9/24/2018

Date Received: 9/25/2018

Volatile Organics

| Analyte | Result | Units | Qualifier | Date Analyzed |
|-----------------------------|---------|-------|-----------|-----------------|
| 1,1,1-Trichloroethane | 188000 | ug/L | MD | 10/1/2018 12:56 |
| 1,1,2,2-Tetrachloroethane | < 5000 | ug/L | | 10/1/2018 12:56 |
| 1,1,2-Trichloroethane | < 5000 | ug/L | | 10/1/2018 12:56 |
| 1,1-Dichloroethane | 75700 | ug/L | | 10/1/2018 12:56 |
| 1,1-Dichloroethene | 2510 | ug/L | J | 10/1/2018 12:56 |
| 1,2,3-Trichlorobenzene | < 12500 | ug/L | | 10/1/2018 12:56 |
| 1,2,4-Trichlorobenzene | < 12500 | ug/L | | 10/1/2018 12:56 |
| 1,2,4-Trimethylbenzene | < 5000 | ug/L | | 10/1/2018 12:56 |
| 1,2-Dibromo-3-Chloropropane | < 25000 | ug/L | | 10/1/2018 12:56 |
| 1,2-Dibromoethane | < 5000 | ug/L | | 10/1/2018 12:56 |
| 1,2-Dichlorobenzene | < 5000 | ug/L | | 10/1/2018 12:56 |
| 1,2-Dichloroethane | < 5000 | ug/L | | 10/1/2018 12:56 |
| 1,2-Dichloropropane | < 5000 | ug/L | | 10/1/2018 12:56 |
| 1,3,5-Trimethylbenzene | < 5000 | ug/L | | 10/1/2018 12:56 |
| 1,3-Dichlorobenzene | < 5000 | ug/L | | 10/1/2018 12:56 |
| 1,4-Dichlorobenzene | < 5000 | ug/L | | 10/1/2018 12:56 |
| 1,4-Dioxane | < 50000 | ug/L | | 10/1/2018 12:56 |
| 2-Butanone | < 25000 | ug/L | | 10/1/2018 12:56 |
| 2-Hexanone | < 12500 | ug/L | | 10/1/2018 12:56 |
| 4-Methyl-2-pentanone | < 12500 | ug/L | | 10/1/2018 12:56 |
| Acetone | < 25000 | ug/L | | 10/1/2018 12:56 |
| Benzene | < 2500 | ug/L | | 10/1/2018 12:56 |
| Bromochloromethane | < 12500 | ug/L | | 10/1/2018 12:56 |
| Bromodichloromethane | < 5000 | ug/L | | 10/1/2018 12:56 |
| Bromoform | < 12500 | ug/L | | 10/1/2018 12:56 |
| Bromomethane | < 5000 | ug/L | | 10/1/2018 12:56 |
| Carbon disulfide | < 5000 | ug/L | | 10/1/2018 12:56 |

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Report Prepared Thursday, October 11, 2018



Lab Project ID: 184415

Client: **BE3**

Project Reference: 31 + 150 Tonawanda

Sample Identifier: 31-MW-3

Lab Sample ID: 184415-03

Date Sampled: 9/24/2018

Matrix: Groundwater

Date Received: 9/25/2018

| | | | | |
|---------------------------|--------------|------|-----------|-------|
| Carbon Tetrachloride | < 5000 | ug/L | 10/1/2018 | 12:56 |
| Chlorobenzene | < 5000 | ug/L | 10/1/2018 | 12:56 |
| Chloroethane | < 5000 | ug/L | 10/1/2018 | 12:56 |
| Chloroform | < 5000 | ug/L | 10/1/2018 | 12:56 |
| Chloromethane | < 5000 | ug/L | 10/1/2018 | 12:56 |
| cis-1,2-Dichloroethene | 37500 | ug/L | 10/1/2018 | 12:56 |
| cis-1,3-Dichloropropene | < 5000 | ug/L | 10/1/2018 | 12:56 |
| Cyclohexane | < 25000 | ug/L | 10/1/2018 | 12:56 |
| Dibromochloromethane | < 5000 | ug/L | 10/1/2018 | 12:56 |
| Dichlorodifluoromethane | < 5000 | ug/L | 10/1/2018 | 12:56 |
| Ethylbenzene | < 5000 | ug/L | 10/1/2018 | 12:56 |
| Freon 113 | < 5000 | ug/L | 10/1/2018 | 12:56 |
| Isopropylbenzene | < 5000 | ug/L | 10/1/2018 | 12:56 |
| m,p-Xylene | < 5000 | ug/L | 10/1/2018 | 12:56 |
| Methyl acetate | < 5000 | ug/L | 10/1/2018 | 12:56 |
| Methyl tert-butyl Ether | < 5000 | ug/L | 10/1/2018 | 12:56 |
| Methylcyclohexane | < 5000 | ug/L | 10/1/2018 | 12:56 |
| Methylene chloride | < 12500 | ug/L | 10/1/2018 | 12:56 |
| Naphthalene | < 12500 | ug/L | 10/1/2018 | 12:56 |
| n-Butylbenzene | < 5000 | ug/L | 10/1/2018 | 12:56 |
| n-Propylbenzene | < 5000 | ug/L | 10/1/2018 | 12:56 |
| o-Xylene | < 5000 | ug/L | 10/1/2018 | 12:56 |
| p-Isopropyltoluene | < 5000 | ug/L | 10/1/2018 | 12:56 |
| sec-Butylbenzene | < 5000 | ug/L | 10/1/2018 | 12:56 |
| Styrene | < 12500 | ug/L | 10/1/2018 | 12:56 |
| tert-Butylbenzene | < 5000 | ug/L | 10/1/2018 | 12:56 |
| Tetrachloroethene | < 5000 | ug/L | 10/1/2018 | 12:56 |
| Toluene | < 5000 | ug/L | 10/1/2018 | 12:56 |
| trans-1,2-Dichloroethene | < 5000 | ug/L | 10/1/2018 | 12:56 |
| trans-1,3-Dichloropropene | < 5000 | ug/L | 10/1/2018 | 12:56 |

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Report Prepared Thursday, October 11, 2018



Lab Project ID: 184415

Client: **BE3**

Project Reference: 31 + 150 Tonawanda

Sample Identifier: 31-MW-3

Lab Sample ID: 184415-03

Date Sampled: 9/24/2018

Matrix: Groundwater

Date Received: 9/25/2018

| | | | | |
|------------------------|-------------|------|-----------|-------|
| Trichloroethene | < 5000 | ug/L | 10/1/2018 | 12:56 |
| Trichlorofluoromethane | < 5000 | ug/L | 10/1/2018 | 12:56 |
| Vinyl chloride | 5080 | ug/L | 10/1/2018 | 12:56 |

| Surrogate | Percent Recovery | Limits | Outliers | Date Analyzed |
|-----------------------|-------------------------|---------------|-----------------|----------------------|
| 1,2-Dichloroethane-d4 | 98.4 | 80.7 - 121 | | 10/1/2018 12:56 |
| 4-Bromofluorobenzene | 84.1 | 74.3 - 121 | | 10/1/2018 12:56 |
| Pentafluorobenzene | 99.9 | 86.2 - 111 | | 10/1/2018 12:56 |
| Toluene-D8 | 92.4 | 86.2 - 112 | | 10/1/2018 12:56 |

Method Reference(s): EPA 8260C

EPA 5030C

Data File: x54669.D

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Report Prepared Thursday, October 11, 2018



Lab Project ID: 184415

Client: **BE3**

Project Reference: 31 + 150 Tonawanda

Sample Identifier: 31-MW-3

Lab Sample ID: 184415-03

Date Sampled: 9/24/2018

Matrix: Groundwater

Date Received: 9/25/2018

Total Cyanide

| <u>Analyte</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|----------------------|----------------|--------------|------------------|----------------------|
| Cyanide, Total | < 0.0100 | mg/L | | 10/1/2018 |
| Method Reference(s): | SM22 4500 CN E | | | |
| Preparation Date: | 10/1/2018 | | | |

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Report Prepared Thursday, October 11, 2018



Lab Project ID: 184415

Client: **BE3**

Project Reference: 31 + 150 Tonawanda

Sample Identifier: 31-MW-4

Lab Sample ID: 184415-04

Matrix: Groundwater

Date Sampled: 9/24/2018

Date Received: 9/25/2018

Part 375 Metals (ICP)

| Analyte | Result | Units | Qualifier | Date Analyzed |
|-----------|---------------|-------|-----------|-----------------|
| Arsenic | < 0.0100 | mg/L | | 9/27/2018 10:28 |
| Barium | 0.106 | mg/L | | 9/27/2018 10:28 |
| Beryllium | < 0.00500 | mg/L | | 9/27/2018 10:28 |
| Cadmium | < 0.00500 | mg/L | | 9/27/2018 10:28 |
| Chromium | < 0.0100 | mg/L | | 9/27/2018 10:28 |
| Copper | 0.0108 | mg/L | J | 9/27/2018 10:28 |
| Lead | < 0.0100 | mg/L | | 9/27/2018 10:28 |
| Manganese | 0.647 | mg/L | | 9/27/2018 10:28 |
| Nickel | < 0.0400 | mg/L | | 9/27/2018 10:28 |
| Selenium | < 0.0200 | mg/L | | 9/27/2018 10:28 |
| Silver | < 0.0100 | mg/L | | 9/27/2018 10:28 |
| Zinc | 0.965 | mg/L | | 9/27/2018 10:28 |

Method Reference(s): EPA 6010C
EPA 3005A
Preparation Date: 9/26/2018
Data File: 180927A

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Report Prepared Thursday, October 11, 2018



Lab Project ID: 184415

Client: **BE3**

Project Reference: 31 + 150 Tonawanda

Sample Identifier: 31-MW-4

Lab Sample ID: 184415-04

Matrix: Groundwater

Date Sampled: 9/24/2018

Date Received: 9/25/2018

Mercury

| <u>Analyte</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|----------------|---------------|--------------|------------------|----------------------|
| Mercury | < 0.000200 | mg/L | | 9/27/2018 14:23 |

Method Reference(s): EPA 7470A

Preparation Date: 9/27/2018

Data File: Hg180927A

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Report Prepared Thursday, October 11, 2018



Lab Project ID: 184415

Client: **BE3**

Project Reference: 31 + 150 Tonawanda

Sample Identifier: 31-MW-4

Lab Sample ID: 184415-04

Matrix: Groundwater

Date Sampled: 9/24/2018

Date Received: 9/25/2018

PCBs

| <u>Analyte</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|-----------------------|----------------------|---------------------|-------------------------|-----------------------------|
| PCB-1016 | < 0.100 | ug/L | | 9/30/2018 00:02 |
| PCB-1221 | < 0.100 | ug/L | | 9/30/2018 00:02 |
| PCB-1232 | < 0.100 | ug/L | | 9/30/2018 00:02 |
| PCB-1242 | < 0.100 | ug/L | | 9/30/2018 00:02 |
| PCB-1248 | < 0.100 | ug/L | | 9/30/2018 00:02 |
| PCB-1254 | < 0.100 | ug/L | | 9/30/2018 00:02 |
| PCB-1260 | < 0.100 | ug/L | | 9/30/2018 00:02 |
| PCB-1262 | < 0.100 | ug/L | | 9/30/2018 00:02 |
| PCB-1268 | < 0.100 | ug/L | | 9/30/2018 00:02 |

| <u>Surrogate</u> | <u>Percent Recovery</u> | <u>Limits</u> | <u>Outliers</u> | <u>Date Analyzed</u> |
|-------------------------|--------------------------------|----------------------|------------------------|-----------------------------|
| Decachlorobiphenyl | 104 | 10 - 103 | * | 9/30/2018 00:02 |
| Tetrachloro-m-xylene | 49.6 | 10 - 84.8 | | 9/30/2018 00:02 |

Method Reference(s): EPA 8082A

EPA 3510C

Preparation Date: 9/27/2018

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Report Prepared Thursday, October 11, 2018



Lab Project ID: 184415

Client: **BE3**

Project Reference: 31 + 150 Tonawanda

Sample Identifier: 31-MW-4

Lab Sample ID: 184415-04

Matrix: Groundwater

Date Sampled: 9/24/2018

Date Received: 9/25/2018

Chlorinated Pesticides

| Analyte | Result | Units | Qualifier | Date Analyzed |
|---------------------|---------|-------|-----------|-----------------|
| 4,4-DDD | < 0.100 | ug/L | | 9/26/2018 17:43 |
| 4,4-DDE | < 0.100 | ug/L | | 9/26/2018 17:43 |
| 4,4-DDT | < 0.100 | ug/L | | 9/26/2018 17:43 |
| Aldrin | < 0.100 | ug/L | | 9/26/2018 17:43 |
| alpha-BHC | < 0.100 | ug/L | | 9/26/2018 17:43 |
| beta-BHC | < 0.100 | ug/L | | 9/26/2018 17:43 |
| cis-Chlordane | < 0.100 | ug/L | | 9/26/2018 17:43 |
| delta-BHC | < 0.100 | ug/L | | 9/26/2018 17:43 |
| Dieldrin | < 0.100 | ug/L | | 9/26/2018 17:43 |
| Endosulfan I | < 0.100 | ug/L | | 9/26/2018 17:43 |
| Endosulfan II | < 0.100 | ug/L | | 9/26/2018 17:43 |
| Endosulfan Sulfate | < 0.100 | ug/L | | 9/26/2018 17:43 |
| Endrin | < 0.100 | ug/L | | 9/26/2018 17:43 |
| Endrin Aldehyde | < 0.100 | ug/L | | 9/26/2018 17:43 |
| Endrin Ketone | < 0.100 | ug/L | | 9/26/2018 17:43 |
| gamma-BHC (Lindane) | < 0.100 | ug/L | | 9/26/2018 17:43 |
| Heptachlor | < 0.100 | ug/L | | 9/26/2018 17:43 |
| Heptachlor Epoxide | < 0.100 | ug/L | | 9/26/2018 17:43 |
| Methoxychlor | < 0.100 | ug/L | | 9/26/2018 17:43 |
| Toxaphene | < 1.00 | ug/L | | 9/26/2018 17:43 |
| trans-Chlordane | < 0.100 | ug/L | | 9/26/2018 17:43 |

| Surrogate | Percent Recovery | Limits | Outliers | Date Analyzed |
|--------------------------|------------------|------------|----------|-----------------|
| Decachlorobiphenyl (1) | 74.9 | 23.1 - 153 | | 9/26/2018 17:43 |
| Tetrachloro-m-xylene (1) | 60.6 | 35.1 - 106 | | 9/26/2018 17:43 |

Method Reference(s): EPA 8081B

EPA 3510C

Preparation Date: 9/26/2018

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Report Prepared Thursday, October 11, 2018



Lab Project ID: 184415

Client: **BE3**

Project Reference: 31 + 150 Tonawanda

Sample Identifier: 31-MW-4

Lab Sample ID: 184415-04

Matrix: Groundwater

Date Sampled: 9/24/2018

Date Received: 9/25/2018

Semi-Volatile Organics (Acid/Base Neutrals)

| Analyte | Result | Units | Qualifier | Date Analyzed |
|------------------------------|--------|-------|-----------|-----------------|
| 1,1-Biphenyl | < 10.0 | ug/L | | 10/2/2018 23:52 |
| 1,2,4,5-Tetrachlorobenzene | < 10.0 | ug/L | | 10/2/2018 23:52 |
| 1,2,4-Trichlorobenzene | < 10.0 | ug/L | | 10/2/2018 23:52 |
| 1,2-Dichlorobenzene | < 10.0 | ug/L | | 10/2/2018 23:52 |
| 1,3-Dichlorobenzene | < 10.0 | ug/L | | 10/2/2018 23:52 |
| 1,4-Dichlorobenzene | < 10.0 | ug/L | | 10/2/2018 23:52 |
| 2,2-Oxybis (1-chloropropane) | < 10.0 | ug/L | | 10/2/2018 23:52 |
| 2,3,4,6-Tetrachlorophenol | < 10.0 | ug/L | | 10/2/2018 23:52 |
| 2,4,5-Trichlorophenol | < 10.0 | ug/L | | 10/2/2018 23:52 |
| 2,4,6-Trichlorophenol | < 20.0 | ug/L | | 10/2/2018 23:52 |
| 2,4-Dichlorophenol | < 10.0 | ug/L | | 10/2/2018 23:52 |
| 2,4-Dimethylphenol | < 10.0 | ug/L | | 10/2/2018 23:52 |
| 2,4-Dinitrophenol | < 20.0 | ug/L | | 10/2/2018 23:52 |
| 2,4-Dinitrotoluene | < 10.0 | ug/L | | 10/2/2018 23:52 |
| 2,6-Dinitrotoluene | < 10.0 | ug/L | | 10/2/2018 23:52 |
| 2-Chloronaphthalene | < 10.0 | ug/L | | 10/2/2018 23:52 |
| 2-Chlorophenol | < 10.0 | ug/L | | 10/2/2018 23:52 |
| 2-Methylnapthalene | < 10.0 | ug/L | | 10/2/2018 23:52 |
| 2-Methylphenol | < 10.0 | ug/L | | 10/2/2018 23:52 |
| 2-Nitroaniline | < 20.0 | ug/L | | 10/2/2018 23:52 |
| 2-Nitrophenol | < 10.0 | ug/L | | 10/2/2018 23:52 |
| 3&4-Methylphenol | < 10.0 | ug/L | | 10/2/2018 23:52 |
| 3,3'-Dichlorobenzidine | < 10.0 | ug/L | | 10/2/2018 23:52 |
| 3-Nitroaniline | < 20.0 | ug/L | | 10/2/2018 23:52 |
| 4,6-Dinitro-2-methylphenol | < 20.0 | ug/L | | 10/2/2018 23:52 |
| 4-Bromophenyl phenyl ether | < 10.0 | ug/L | | 10/2/2018 23:52 |
| 4-Chloro-3-methylphenol | < 10.0 | ug/L | | 10/2/2018 23:52 |

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Report Prepared Thursday, October 11, 2018



Lab Project ID: 184415

Client: BE3

Project Reference: 31 + 150 Tonawanda

Sample Identifier: 31-MW-4

Lab Sample ID: 184415-04

Date Sampled: 9/24/2018

Matrix: Groundwater

Date Received: 9/25/2018

| | | | | |
|------------------------------|--------|------|-----------|-------|
| 4-Chloroaniline | < 10.0 | ug/L | 10/2/2018 | 23:52 |
| 4-Chlorophenyl phenyl ether | < 10.0 | ug/L | 10/2/2018 | 23:52 |
| 4-Nitroaniline | < 20.0 | ug/L | 10/2/2018 | 23:52 |
| 4-Nitrophenol | < 20.0 | ug/L | 10/2/2018 | 23:52 |
| Acenaphthene | < 10.0 | ug/L | 10/2/2018 | 23:52 |
| Acenaphthylene | < 10.0 | ug/L | 10/2/2018 | 23:52 |
| Acetophenone | < 10.0 | ug/L | 10/2/2018 | 23:52 |
| Anthracene | < 10.0 | ug/L | 10/2/2018 | 23:52 |
| Atrazine | < 10.0 | ug/L | 10/2/2018 | 23:52 |
| Benzaldehyde | < 10.0 | ug/L | 10/2/2018 | 23:52 |
| Benzo (a) anthracene | < 10.0 | ug/L | 10/2/2018 | 23:52 |
| Benzo (a) pyrene | < 10.0 | ug/L | 10/2/2018 | 23:52 |
| Benzo (b) fluoranthene | < 10.0 | ug/L | 10/2/2018 | 23:52 |
| Benzo (g,h,i) perylene | < 10.0 | ug/L | 10/2/2018 | 23:52 |
| Benzo (k) fluoranthene | < 10.0 | ug/L | 10/2/2018 | 23:52 |
| Bis (2-chloroethoxy) methane | < 10.0 | ug/L | 10/2/2018 | 23:52 |
| Bis (2-chloroethyl) ether | < 10.0 | ug/L | 10/2/2018 | 23:52 |
| Bis (2-ethylhexyl) phthalate | < 10.0 | ug/L | 10/2/2018 | 23:52 |
| Butylbenzylphthalate | < 10.0 | ug/L | 10/2/2018 | 23:52 |
| Caprolactam | < 10.0 | ug/L | 10/2/2018 | 23:52 |
| Carbazole | < 10.0 | ug/L | 10/2/2018 | 23:52 |
| Chrysene | < 10.0 | ug/L | 10/2/2018 | 23:52 |
| Dibenz (a,h) anthracene | < 10.0 | ug/L | 10/2/2018 | 23:52 |
| Dibenzofuran | < 10.0 | ug/L | 10/2/2018 | 23:52 |
| Diethyl phthalate | < 10.0 | ug/L | 10/2/2018 | 23:52 |
| Dimethyl phthalate | < 20.0 | ug/L | 10/2/2018 | 23:52 |
| Di-n-butyl phthalate | < 10.0 | ug/L | 10/2/2018 | 23:52 |
| Di-n-octylphthalate | < 10.0 | ug/L | 10/2/2018 | 23:52 |
| Fluoranthene | < 10.0 | ug/L | 10/2/2018 | 23:52 |
| Fluorene | < 10.0 | ug/L | 10/2/2018 | 23:52 |

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Lab Project ID: 184415

Client: **BE3**

Project Reference: 31 + 150 Tonawanda

Sample Identifier: 31-MW-4

Lab Sample ID: 184415-04

Date Sampled: 9/24/2018

Matrix: Groundwater

Date Received: 9/25/2018

| | | | | |
|----------------------------|--------|------|-----------|-------|
| Hexachlorobenzene | < 10.0 | ug/L | 10/2/2018 | 23:52 |
| Hexachlorobutadiene | < 10.0 | ug/L | 10/2/2018 | 23:52 |
| Hexachlorocyclopentadiene | < 10.0 | ug/L | 10/2/2018 | 23:52 |
| Hexachloroethane | < 10.0 | ug/L | 10/2/2018 | 23:52 |
| Indeno (1,2,3-cd) pyrene | < 10.0 | ug/L | 10/2/2018 | 23:52 |
| Isophorone | < 10.0 | ug/L | 10/2/2018 | 23:52 |
| Naphthalene | < 10.0 | ug/L | 10/2/2018 | 23:52 |
| Nitrobenzene | < 10.0 | ug/L | 10/2/2018 | 23:52 |
| N-Nitroso-di-n-propylamine | < 10.0 | ug/L | 10/2/2018 | 23:52 |
| N-Nitrosodiphenylamine | < 10.0 | ug/L | 10/2/2018 | 23:52 |
| Pentachlorophenol | < 20.0 | ug/L | 10/2/2018 | 23:52 |
| Phenanthrene | < 10.0 | ug/L | 10/2/2018 | 23:52 |
| Phenol | < 10.0 | ug/L | 10/2/2018 | 23:52 |
| Pyrene | < 10.0 | ug/L | 10/2/2018 | 23:52 |

| Surrogate | Percent Recovery | Limits | Outliers | Date Analyzed |
|----------------------|------------------|-------------|----------|-----------------|
| 2,4,6-Tribromophenol | 70.2 | 48.7 - 113 | | 10/2/2018 23:52 |
| 2-Fluorobiphenyl | 46.3 | 28.7 - 98.8 | | 10/2/2018 23:52 |
| 2-Fluorophenol | 35.2 | 10.5 - 105 | | 10/2/2018 23:52 |
| Nitrobenzene-d5 | 58.6 | 47.4 - 94.5 | | 10/2/2018 23:52 |
| Phenol-d5 | 26.1 | 10 - 101 | | 10/2/2018 23:52 |
| Terphenyl-d14 | 66.0 | 56.7 - 107 | | 10/2/2018 23:52 |

Method Reference(s): EPA 8270D
EPA 3510C
Preparation Date: 9/28/2018
Data File: B32157.D

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Report Prepared Thursday, October 11, 2018



Lab Project ID: 184415

Client: BE3

Project Reference: 31 + 150 Tonawanda

Sample Identifier: 31-MW-4

Lab Sample ID: 184415-04

Matrix: Groundwater

Date Sampled: 9/24/2018

Date Received: 9/25/2018

Volatile Organics

| Analyte | Result | Units | Qualifier | Date Analyzed |
|-----------------------------|---------------|--------------|------------------|----------------------|
| 1,1,1-Trichloroethane | < 2.00 | ug/L | | 9/28/2018 19:55 |
| 1,1,2,2-Tetrachloroethane | < 2.00 | ug/L | | 9/28/2018 19:55 |
| 1,1,2-Trichloroethane | < 2.00 | ug/L | | 9/28/2018 19:55 |
| 1,1-Dichloroethane | 1.63 | ug/L | J | 9/28/2018 19:55 |
| 1,1-Dichloroethene | < 2.00 | ug/L | | 9/28/2018 19:55 |
| 1,2,3-Trichlorobenzene | < 5.00 | ug/L | | 9/28/2018 19:55 |
| 1,2,4-Trichlorobenzene | < 5.00 | ug/L | | 9/28/2018 19:55 |
| 1,2,4-Trimethylbenzene | < 2.00 | ug/L | | 9/28/2018 19:55 |
| 1,2-Dibromo-3-Chloropropane | < 10.0 | ug/L | | 9/28/2018 19:55 |
| 1,2-Dibromoethane | < 2.00 | ug/L | | 9/28/2018 19:55 |
| 1,2-Dichlorobenzene | < 2.00 | ug/L | | 9/28/2018 19:55 |
| 1,2-Dichloroethane | < 2.00 | ug/L | | 9/28/2018 19:55 |
| 1,2-Dichloropropane | < 2.00 | ug/L | | 9/28/2018 19:55 |
| 1,3,5-Trimethylbenzene | < 2.00 | ug/L | | 9/28/2018 19:55 |
| 1,3-Dichlorobenzene | < 2.00 | ug/L | | 9/28/2018 19:55 |
| 1,4-Dichlorobenzene | < 2.00 | ug/L | | 9/28/2018 19:55 |
| 1,4-Dioxane | < 20.0 | ug/L | | 9/28/2018 19:55 |
| 2-Butanone | < 10.0 | ug/L | | 9/28/2018 19:55 |
| 2-Hexanone | < 5.00 | ug/L | | 9/28/2018 19:55 |
| 4-Methyl-2-pentanone | < 5.00 | ug/L | | 9/28/2018 19:55 |
| Acetone | 5.94 | ug/L | J | 9/28/2018 19:55 |
| Benzene | < 1.00 | ug/L | | 9/28/2018 19:55 |
| Bromochloromethane | < 5.00 | ug/L | | 9/28/2018 19:55 |
| Bromodichloromethane | < 2.00 | ug/L | | 9/28/2018 19:55 |
| Bromoform | < 5.00 | ug/L | | 9/28/2018 19:55 |
| Bromomethane | < 2.00 | ug/L | | 9/28/2018 19:55 |
| Carbon disulfide | < 2.00 | ug/L | | 9/28/2018 19:55 |

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Report Prepared Thursday, October 11, 2018



Lab Project ID: 184415

Client: **BE3**

Project Reference: 31 + 150 Tonawanda

Sample Identifier: 31-MW-4

Lab Sample ID: 184415-04

Date Sampled: 9/24/2018

Matrix: Groundwater

Date Received: 9/25/2018

| | | | | |
|---------------------------|--------|------|-----------|-------|
| Carbon Tetrachloride | < 2.00 | ug/L | 9/28/2018 | 19:55 |
| Chlorobenzene | < 2.00 | ug/L | 9/28/2018 | 19:55 |
| Chloroethane | < 2.00 | ug/L | 9/28/2018 | 19:55 |
| Chloroform | < 2.00 | ug/L | 9/28/2018 | 19:55 |
| Chloromethane | < 2.00 | ug/L | 9/28/2018 | 19:55 |
| cis-1,2-Dichloroethene | 5.26 | ug/L | 9/28/2018 | 19:55 |
| cis-1,3-Dichloropropene | < 2.00 | ug/L | 9/28/2018 | 19:55 |
| Cyclohexane | < 10.0 | ug/L | 9/28/2018 | 19:55 |
| Dibromochloromethane | < 2.00 | ug/L | 9/28/2018 | 19:55 |
| Dichlorodifluoromethane | < 2.00 | ug/L | 9/28/2018 | 19:55 |
| Ethylbenzene | < 2.00 | ug/L | 9/28/2018 | 19:55 |
| Freon 113 | < 2.00 | ug/L | 9/28/2018 | 19:55 |
| Isopropylbenzene | < 2.00 | ug/L | 9/28/2018 | 19:55 |
| m,p-Xylene | < 2.00 | ug/L | 9/28/2018 | 19:55 |
| Methyl acetate | < 2.00 | ug/L | 9/28/2018 | 19:55 |
| Methyl tert-butyl Ether | < 2.00 | ug/L | 9/28/2018 | 19:55 |
| Methylcyclohexane | < 2.00 | ug/L | 9/28/2018 | 19:55 |
| Methylene chloride | < 5.00 | ug/L | 9/28/2018 | 19:55 |
| Naphthalene | < 5.00 | ug/L | 9/28/2018 | 19:55 |
| n-Butylbenzene | < 2.00 | ug/L | 9/28/2018 | 19:55 |
| n-Propylbenzene | < 2.00 | ug/L | 9/28/2018 | 19:55 |
| o-Xylene | < 2.00 | ug/L | 9/28/2018 | 19:55 |
| p-Isopropyltoluene | < 2.00 | ug/L | 9/28/2018 | 19:55 |
| sec-Butylbenzene | < 2.00 | ug/L | 9/28/2018 | 19:55 |
| Styrene | < 5.00 | ug/L | 9/28/2018 | 19:55 |
| tert-Butylbenzene | < 2.00 | ug/L | 9/28/2018 | 19:55 |
| Tetrachloroethene | < 2.00 | ug/L | 9/28/2018 | 19:55 |
| Toluene | < 2.00 | ug/L | 9/28/2018 | 19:55 |
| trans-1,2-Dichloroethene | < 2.00 | ug/L | 9/28/2018 | 19:55 |
| trans-1,3-Dichloropropene | < 2.00 | ug/L | 9/28/2018 | 19:55 |

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Report Prepared Thursday, October 11, 2018



Lab Project ID: 184415

Client: **BE3**

Project Reference: 31 + 150 Tonawanda

Sample Identifier: 31-MW-4

Lab Sample ID: 184415-04

Date Sampled: 9/24/2018

Matrix: Groundwater

Date Received: 9/25/2018

| | | | | |
|------------------------|-------------------------|---------------|-----------------|----------------------|
| Trichloroethene | 4.32 | ug/L | | 9/28/2018 19:55 |
| Trichlorofluoromethane | < 2.00 | ug/L | | 9/28/2018 19:55 |
| Vinyl chloride | 1.69 | ug/L | J | 9/28/2018 19:55 |
| Surrogate | Percent Recovery | Limits | Outliers | Date Analyzed |
| 1,2-Dichloroethane-d4 | 109 | 80.7 - 121 | | 9/28/2018 19:55 |
| 4-Bromofluorobenzene | 86.5 | 74.3 - 121 | | 9/28/2018 19:55 |
| Pentafluorobenzene | 89.6 | 86.2 - 111 | | 9/28/2018 19:55 |
| Toluene-D8 | 88.3 | 86.2 - 112 | | 9/28/2018 19:55 |

Method Reference(s): EPA 8260C

EPA 5030C

Data File: x54647.D

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Report Prepared Thursday, October 11, 2018



Lab Project ID: 184415

Client: **BE3**

Project Reference: 31 + 150 Tonawanda

Sample Identifier: 31-MW-4

Lab Sample ID: 184415-04

Date Sampled: 9/24/2018

Matrix: Groundwater

Date Received: 9/25/2018

Total Cyanide

| <u>Analyte</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|----------------|---------------|--------------|------------------|----------------------|
| Cyanide, Total | < 0.0100 | mg/L | | 10/1/2018 |

Method Reference(s): SM22 4500 CN E
Preparation Date: 10/1/2018

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Report Prepared Thursday, October 11, 2018



Lab Project ID: 184415

Client: **BE3**

Project Reference: 31 + 150 Tonawanda

Sample Identifier: 31-MW-5

Lab Sample ID: 184415-05

Matrix: Groundwater

Date Sampled: 9/24/2018

Date Received: 9/25/2018

Part 375 Metals (ICP)

| Analyte | Result | Units | Qualifier | Date Analyzed |
|----------------|---------------|--------------|------------------|----------------------|
| Arsenic | 0.0173 | mg/L | | 9/27/2018 10:32 |
| Barium | 0.0562 | mg/L | J | 9/27/2018 10:32 |
| Beryllium | < 0.00500 | mg/L | | 9/27/2018 10:32 |
| Cadmium | < 0.00500 | mg/L | | 9/27/2018 10:32 |
| Chromium | < 0.0100 | mg/L | | 9/27/2018 10:32 |
| Copper | 0.0125 | mg/L | J | 9/27/2018 10:32 |
| Lead | < 0.0100 | mg/L | | 9/27/2018 10:32 |
| Manganese | 1.15 | mg/L | | 9/27/2018 10:32 |
| Nickel | < 0.0400 | mg/L | | 9/27/2018 10:32 |
| Selenium | < 0.0200 | mg/L | | 9/27/2018 10:32 |
| Silver | < 0.0100 | mg/L | | 9/27/2018 10:32 |
| Zinc | < 0.0600 | mg/L | | 9/27/2018 10:32 |

Method Reference(s): EPA 6010C
EPA 3005A
Preparation Date: 9/26/2018
Data File: 180927A

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Report Prepared Thursday, October 11, 2018



Lab Project ID: 184415

Client: **BE3**

Project Reference: 31 + 150 Tonawanda

Sample Identifier: 31-MW-5

Lab Sample ID: 184415-05

Date Sampled: 9/24/2018

Matrix: Groundwater

Date Received: 9/25/2018

Mercury

| <u>Analyte</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|----------------|---------------|--------------|------------------|----------------------|
| Mercury | < 0.000200 | mg/L | | 9/27/2018 14:26 |

Method Reference(s): EPA 7470A
Preparation Date: 9/27/2018
Data File: Hg180927A

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Thursday, October 11, 2018



Lab Project ID: 184415

Client: **BE3**

Project Reference: 31 + 150 Tonawanda

Sample Identifier: 31-MW-5

Lab Sample ID: 184415-05

Date Sampled: 9/24/2018

Matrix: Groundwater

Date Received: 9/25/2018

PCBs

| <u>Analyte</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|-----------------------|----------------------|---------------------|-------------------------|-----------------------------|
| PCB-1016 | < 0.100 | ug/L | | 9/30/2018 00:25 |
| PCB-1221 | < 0.100 | ug/L | | 9/30/2018 00:25 |
| PCB-1232 | < 0.100 | ug/L | | 9/30/2018 00:25 |
| PCB-1242 | < 0.100 | ug/L | | 9/30/2018 00:25 |
| PCB-1248 | < 0.100 | ug/L | | 9/30/2018 00:25 |
| PCB-1254 | < 0.100 | ug/L | | 9/30/2018 00:25 |
| PCB-1260 | < 0.100 | ug/L | | 9/30/2018 00:25 |
| PCB-1262 | < 0.100 | ug/L | | 9/30/2018 00:25 |
| PCB-1268 | < 0.100 | ug/L | | 9/30/2018 00:25 |

| <u>Surrogate</u> | <u>Percent Recovery</u> | <u>Limits</u> | <u>Outliers</u> | <u>Date Analyzed</u> |
|-------------------------|--------------------------------|----------------------|------------------------|-----------------------------|
| Decachlorobiphenyl | 47.8 | 10 - 103 | | 9/30/2018 00:25 |
| Tetrachloro-m-xylene | 41.0 | 10 - 84.8 | | 9/30/2018 00:25 |

Method Reference(s): EPA 8082A

EPA 3510C

Preparation Date: 9/27/2018

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Report Prepared Thursday, October 11, 2018



Lab Project ID: 184415

Client: **BE3**

Project Reference: 31 + 150 Tonawanda

Sample Identifier: 31-MW-5

Lab Sample ID: 184415-05

Matrix: Groundwater

Date Sampled: 9/24/2018

Date Received: 9/25/2018

Chlorinated Pesticides

| Analyte | Result | Units | Qualifier | Date Analyzed |
|---------------------|---------------|-------|-----------|-----------------|
| 4,4-DDD | < 0.100 | ug/L | | 9/26/2018 17:58 |
| 4,4-DDE | < 0.100 | ug/L | | 9/26/2018 17:58 |
| 4,4-DDT | < 0.100 | ug/L | | 9/26/2018 17:58 |
| Aldrin | 0.121 | ug/L | P | 9/26/2018 17:58 |
| alpha-BHC | 0.0760 | ug/L | JP | 9/26/2018 17:58 |
| beta-BHC | < 0.100 | ug/L | | 9/26/2018 17:58 |
| cis-Chlordane | < 0.100 | ug/L | | 9/26/2018 17:58 |
| delta-BHC | < 0.100 | ug/L | | 9/26/2018 17:58 |
| Dieldrin | 0.0696 | ug/L | JP | 9/26/2018 17:58 |
| Endosulfan I | < 0.100 | ug/L | | 9/26/2018 17:58 |
| Endosulfan II | < 0.100 | ug/L | | 9/26/2018 17:58 |
| Endosulfan Sulfate | < 0.100 | ug/L | | 9/26/2018 17:58 |
| Endrin | 0.134 | ug/L | P | 9/26/2018 17:58 |
| Endrin Aldehyde | < 0.100 | ug/L | | 9/26/2018 17:58 |
| Endrin Ketone | < 0.100 | ug/L | | 9/26/2018 17:58 |
| gamma-BHC (Lindane) | < 0.100 | ug/L | | 9/26/2018 17:58 |
| Heptachlor | 0.0977 | ug/L | JP | 9/26/2018 17:58 |
| Heptachlor Epoxide | 0.163 | ug/L | P | 9/26/2018 17:58 |
| Methoxychlor | < 0.100 | ug/L | | 9/26/2018 17:58 |
| Toxaphene | < 1.00 | ug/L | | 9/26/2018 17:58 |
| trans-Chlordane | 0.0582 | ug/L | J | 9/26/2018 17:58 |

| Surrogate | Percent Recovery | Limits | Outliers | Date Analyzed |
|--------------------------|------------------|------------|----------|-----------------|
| Decachlorobiphenyl (1) | 54.9 | 23.1 - 153 | | 9/26/2018 17:58 |
| Tetrachloro-m-xylene (1) | 106 | 35.1 - 106 | | 9/26/2018 17:58 |

Method Reference(s): EPA 8081B

EPA 3510C

Preparation Date: 9/26/2018

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Report Prepared Thursday, October 11, 2018



Lab Project ID: 184415

Client: **BE3**

Project Reference: 31 + 150 Tonawanda

Sample Identifier: 31-MW-5

Lab Sample ID: 184415-05

Matrix: Groundwater

Date Sampled: 9/24/2018

Date Received: 9/25/2018

Semi-Volatile Organics (Acid/Base Neutrals)

| Analyte | Result | Units | Qualifier | Date Analyzed |
|------------------------------|--------|-------|-----------|-----------------|
| 1,1-Biphenyl | < 10.0 | ug/L | | 10/3/2018 00:21 |
| 1,2,4,5-Tetrachlorobenzene | < 10.0 | ug/L | | 10/3/2018 00:21 |
| 1,2,4-Trichlorobenzene | < 10.0 | ug/L | | 10/3/2018 00:21 |
| 1,2-Dichlorobenzene | < 10.0 | ug/L | | 10/3/2018 00:21 |
| 1,3-Dichlorobenzene | < 10.0 | ug/L | | 10/3/2018 00:21 |
| 1,4-Dichlorobenzene | < 10.0 | ug/L | | 10/3/2018 00:21 |
| 2,2-Oxybis (1-chloropropane) | < 10.0 | ug/L | | 10/3/2018 00:21 |
| 2,3,4,6-Tetrachlorophenol | < 10.0 | ug/L | | 10/3/2018 00:21 |
| 2,4,5-Trichlorophenol | < 10.0 | ug/L | | 10/3/2018 00:21 |
| 2,4,6-Trichlorophenol | < 20.0 | ug/L | | 10/3/2018 00:21 |
| 2,4-Dichlorophenol | < 10.0 | ug/L | | 10/3/2018 00:21 |
| 2,4-Dimethylphenol | < 10.0 | ug/L | | 10/3/2018 00:21 |
| 2,4-Dinitrophenol | < 20.0 | ug/L | | 10/3/2018 00:21 |
| 2,4-Dinitrotoluene | < 10.0 | ug/L | | 10/3/2018 00:21 |
| 2,6-Dinitrotoluene | < 10.0 | ug/L | | 10/3/2018 00:21 |
| 2-Chloronaphthalene | < 10.0 | ug/L | | 10/3/2018 00:21 |
| 2-Chlorophenol | < 10.0 | ug/L | | 10/3/2018 00:21 |
| 2-Methylnapthalene | < 10.0 | ug/L | | 10/3/2018 00:21 |
| 2-Methylphenol | < 10.0 | ug/L | | 10/3/2018 00:21 |
| 2-Nitroaniline | < 20.0 | ug/L | | 10/3/2018 00:21 |
| 2-Nitrophenol | < 10.0 | ug/L | | 10/3/2018 00:21 |
| 3&4-Methylphenol | < 10.0 | ug/L | | 10/3/2018 00:21 |
| 3,3'-Dichlorobenzidine | < 10.0 | ug/L | | 10/3/2018 00:21 |
| 3-Nitroaniline | < 20.0 | ug/L | | 10/3/2018 00:21 |
| 4,6-Dinitro-2-methylphenol | < 20.0 | ug/L | | 10/3/2018 00:21 |
| 4-Bromophenyl phenyl ether | < 10.0 | ug/L | | 10/3/2018 00:21 |
| 4-Chloro-3-methylphenol | < 10.0 | ug/L | | 10/3/2018 00:21 |

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Report Prepared Thursday, October 11, 2018



Lab Project ID: 184415

Client: **BE3**

Project Reference: 31 + 150 Tonawanda

| | | | | |
|------------------------------|-------------|------|----------------|-----------|
| Sample Identifier: | 31-MW-5 | | | |
| Lab Sample ID: | 184415-05 | | Date Sampled: | 9/24/2018 |
| Matrix: | Groundwater | | Date Received: | 9/25/2018 |
| 4-Chloroaniline | < 10.0 | ug/L | 10/3/2018 | 00:21 |
| 4-Chlorophenyl phenyl ether | < 10.0 | ug/L | 10/3/2018 | 00:21 |
| 4-Nitroaniline | < 20.0 | ug/L | 10/3/2018 | 00:21 |
| 4-Nitrophenol | < 20.0 | ug/L | 10/3/2018 | 00:21 |
| Acenaphthene | < 10.0 | ug/L | 10/3/2018 | 00:21 |
| Acenaphthylene | < 10.0 | ug/L | 10/3/2018 | 00:21 |
| Acetophenone | < 10.0 | ug/L | 10/3/2018 | 00:21 |
| Anthracene | < 10.0 | ug/L | 10/3/2018 | 00:21 |
| Atrazine | < 10.0 | ug/L | 10/3/2018 | 00:21 |
| Benzaldehyde | < 10.0 | ug/L | 10/3/2018 | 00:21 |
| Benzo (a) anthracene | < 10.0 | ug/L | 10/3/2018 | 00:21 |
| Benzo (a) pyrene | < 10.0 | ug/L | 10/3/2018 | 00:21 |
| Benzo (b) fluoranthene | < 10.0 | ug/L | 10/3/2018 | 00:21 |
| Benzo (g,h,i) perylene | < 10.0 | ug/L | 10/3/2018 | 00:21 |
| Benzo (k) fluoranthene | < 10.0 | ug/L | 10/3/2018 | 00:21 |
| Bis (2-chloroethoxy) methane | < 10.0 | ug/L | 10/3/2018 | 00:21 |
| Bis (2-chloroethyl) ether | < 10.0 | ug/L | 10/3/2018 | 00:21 |
| Bis (2-ethylhexyl) phthalate | < 10.0 | ug/L | 10/3/2018 | 00:21 |
| Butylbenzylphthalate | < 10.0 | ug/L | 10/3/2018 | 00:21 |
| Caprolactam | < 10.0 | ug/L | 10/3/2018 | 00:21 |
| Carbazole | < 10.0 | ug/L | 10/3/2018 | 00:21 |
| Chrysene | < 10.0 | ug/L | 10/3/2018 | 00:21 |
| Dibenz (a,h) anthracene | < 10.0 | ug/L | 10/3/2018 | 00:21 |
| Dibenzofuran | < 10.0 | ug/L | 10/3/2018 | 00:21 |
| Diethyl phthalate | < 10.0 | ug/L | 10/3/2018 | 00:21 |
| Dimethyl phthalate | < 20.0 | ug/L | 10/3/2018 | 00:21 |
| Di-n-butyl phthalate | < 10.0 | ug/L | 10/3/2018 | 00:21 |
| Di-n-octylphthalate | < 10.0 | ug/L | 10/3/2018 | 00:21 |
| Fluoranthene | < 10.0 | ug/L | 10/3/2018 | 00:21 |
| Fluorene | < 10.0 | ug/L | 10/3/2018 | 00:21 |

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Report Prepared Thursday, October 11, 2018



Lab Project ID: 184415

Client: **BE3**

Project Reference: 31 + 150 Tonawanda

Sample Identifier: 31-MW-5

Lab Sample ID: 184415-05

Date Sampled: 9/24/2018

Matrix: Groundwater

Date Received: 9/25/2018

| | | | | |
|----------------------------|--------|------|-----------|-------|
| Hexachlorobenzene | < 10.0 | ug/L | 10/3/2018 | 00:21 |
| Hexachlorobutadiene | < 10.0 | ug/L | 10/3/2018 | 00:21 |
| Hexachlorocyclopentadiene | < 10.0 | ug/L | 10/3/2018 | 00:21 |
| Hexachloroethane | < 10.0 | ug/L | 10/3/2018 | 00:21 |
| Indeno (1,2,3-cd) pyrene | < 10.0 | ug/L | 10/3/2018 | 00:21 |
| Isophorone | < 10.0 | ug/L | 10/3/2018 | 00:21 |
| Naphthalene | < 10.0 | ug/L | 10/3/2018 | 00:21 |
| Nitrobenzene | < 10.0 | ug/L | 10/3/2018 | 00:21 |
| N-Nitroso-di-n-propylamine | < 10.0 | ug/L | 10/3/2018 | 00:21 |
| N-Nitrosodiphenylamine | < 10.0 | ug/L | 10/3/2018 | 00:21 |
| Pentachlorophenol | < 20.0 | ug/L | 10/3/2018 | 00:21 |
| Phenanthrene | < 10.0 | ug/L | 10/3/2018 | 00:21 |
| Phenol | < 10.0 | ug/L | 10/3/2018 | 00:21 |
| Pyrene | < 10.0 | ug/L | 10/3/2018 | 00:21 |

| Surrogate | Percent Recovery | Limits | Outliers | Date Analyzed |
|----------------------|------------------|-------------|----------|-----------------|
| 2,4,6-Tribromophenol | 62.0 | 48.7 - 113 | | 10/3/2018 00:21 |
| 2-Fluorobiphenyl | 40.6 | 28.7 - 98.8 | | 10/3/2018 00:21 |
| 2-Fluorophenol | 30.9 | 10.5 - 105 | | 10/3/2018 00:21 |
| Nitrobenzene-d5 | 55.0 | 47.4 - 94.5 | | 10/3/2018 00:21 |
| Phenol-d5 | 22.7 | 10 - 101 | | 10/3/2018 00:21 |
| Terphenyl-d14 | 57.6 | 56.7 - 107 | | 10/3/2018 00:21 |

Method Reference(s): EPA 8270D
EPA 3510C
Preparation Date: 9/28/2018
Data File: B32158.D

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Report Prepared Thursday, October 11, 2018



Lab Project ID: 184415

Client: **BE3**

Project Reference: 31 + 150 Tonawanda

Sample Identifier: 31-MW-5

Lab Sample ID: 184415-05

Matrix: Groundwater

Date Sampled: 9/24/2018

Date Received: 9/25/2018

Volatile Organics

| Analyte | Result | Units | Qualifier | Date Analyzed |
|-----------------------------|-------------|-------|-----------|-----------------|
| 1,1,1-Trichloroethane | < 2.00 | ug/L | | 9/28/2018 21:05 |
| 1,1,2,2-Tetrachloroethane | < 2.00 | ug/L | | 9/28/2018 21:05 |
| 1,1,2-Trichloroethane | < 2.00 | ug/L | | 9/28/2018 21:05 |
| 1,1-Dichloroethane | 3.52 | ug/L | | 9/28/2018 21:05 |
| 1,1-Dichloroethene | < 2.00 | ug/L | | 9/28/2018 21:05 |
| 1,2,3-Trichlorobenzene | < 5.00 | ug/L | | 9/28/2018 21:05 |
| 1,2,4-Trichlorobenzene | < 5.00 | ug/L | | 9/28/2018 21:05 |
| 1,2,4-Trimethylbenzene | 3.03 | ug/L | | 9/28/2018 21:05 |
| 1,2-Dibromo-3-Chloropropane | < 10.0 | ug/L | | 9/28/2018 21:05 |
| 1,2-Dibromoethane | < 2.00 | ug/L | | 9/28/2018 21:05 |
| 1,2-Dichlorobenzene | < 2.00 | ug/L | | 9/28/2018 21:05 |
| 1,2-Dichloroethane | < 2.00 | ug/L | | 9/28/2018 21:05 |
| 1,2-Dichloropropane | < 2.00 | ug/L | | 9/28/2018 21:05 |
| 1,3,5-Trimethylbenzene | 1.15 | ug/L | J | 9/28/2018 21:05 |
| 1,3-Dichlorobenzene | < 2.00 | ug/L | | 9/28/2018 21:05 |
| 1,4-Dichlorobenzene | < 2.00 | ug/L | | 9/28/2018 21:05 |
| 1,4-Dioxane | 49.4 | ug/L | | 9/28/2018 21:05 |
| 2-Butanone | < 10.0 | ug/L | | 9/28/2018 21:05 |
| 2-Hexanone | < 5.00 | ug/L | | 9/28/2018 21:05 |
| 4-Methyl-2-pentanone | < 5.00 | ug/L | | 9/28/2018 21:05 |
| Acetone | 17.5 | ug/L | | 9/28/2018 21:05 |
| Benzene | < 1.00 | ug/L | | 9/28/2018 21:05 |
| Bromochloromethane | < 5.00 | ug/L | | 9/28/2018 21:05 |
| Bromodichloromethane | < 2.00 | ug/L | | 9/28/2018 21:05 |
| Bromoform | < 5.00 | ug/L | | 9/28/2018 21:05 |
| Bromomethane | < 2.00 | ug/L | | 9/28/2018 21:05 |
| Carbon disulfide | < 2.00 | ug/L | | 9/28/2018 21:05 |

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Report Prepared Thursday, October 11, 2018



Lab Project ID: 184415

Client: **BE3**

Project Reference: 31 + 150 Tonawanda

Sample Identifier: 31-MW-5

Lab Sample ID: 184415-05

Date Sampled: 9/24/2018

Matrix: Groundwater

Date Received: 9/25/2018

| | | | |
|---------------------------|--------|------|-----------------|
| Carbon Tetrachloride | < 2.00 | ug/L | 9/28/2018 21:05 |
| Chlorobenzene | < 2.00 | ug/L | 9/28/2018 21:05 |
| Chloroethane | < 2.00 | ug/L | 9/28/2018 21:05 |
| Chloroform | < 2.00 | ug/L | 9/28/2018 21:05 |
| Chloromethane | < 2.00 | ug/L | 9/28/2018 21:05 |
| cis-1,2-Dichloroethene | < 2.00 | ug/L | 9/28/2018 21:05 |
| cis-1,3-Dichloropropene | < 2.00 | ug/L | 9/28/2018 21:05 |
| Cyclohexane | < 10.0 | ug/L | 9/28/2018 21:05 |
| Dibromochloromethane | < 2.00 | ug/L | 9/28/2018 21:05 |
| Dichlorodifluoromethane | < 2.00 | ug/L | 9/28/2018 21:05 |
| Ethylbenzene | < 2.00 | ug/L | 9/28/2018 21:05 |
| Freon 113 | < 2.00 | ug/L | 9/28/2018 21:05 |
| Isopropylbenzene | < 2.00 | ug/L | 9/28/2018 21:05 |
| m,p-Xylene | < 2.00 | ug/L | 9/28/2018 21:05 |
| Methyl acetate | < 2.00 | ug/L | 9/28/2018 21:05 |
| Methyl tert-butyl Ether | < 2.00 | ug/L | 9/28/2018 21:05 |
| Methylcyclohexane | < 2.00 | ug/L | 9/28/2018 21:05 |
| Methylene chloride | < 5.00 | ug/L | 9/28/2018 21:05 |
| Naphthalene | < 5.00 | ug/L | 9/28/2018 21:05 |
| n-Butylbenzene | < 2.00 | ug/L | 9/28/2018 21:05 |
| n-Propylbenzene | < 2.00 | ug/L | 9/28/2018 21:05 |
| o-Xylene | < 2.00 | ug/L | 9/28/2018 21:05 |
| p-Isopropyltoluene | < 2.00 | ug/L | 9/28/2018 21:05 |
| sec-Butylbenzene | < 2.00 | ug/L | 9/28/2018 21:05 |
| Styrene | < 5.00 | ug/L | 9/28/2018 21:05 |
| tert-Butylbenzene | < 2.00 | ug/L | 9/28/2018 21:05 |
| Tetrachloroethene | < 2.00 | ug/L | 9/28/2018 21:05 |
| Toluene | < 2.00 | ug/L | 9/28/2018 21:05 |
| trans-1,2-Dichloroethene | < 2.00 | ug/L | 9/28/2018 21:05 |
| trans-1,3-Dichloropropene | < 2.00 | ug/L | 9/28/2018 21:05 |

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Report Prepared Thursday, October 11, 2018



Lab Project ID: 184415

Client: **BE3**

Project Reference: 31 + 150 Tonawanda

Sample Identifier: 31-MW-5

Lab Sample ID: 184415-05

Date Sampled: 9/24/2018

Matrix: Groundwater

Date Received: 9/25/2018

| | | | | |
|------------------------|--------|------|---|-----------------|
| Trichloroethene | 1.69 | ug/L | J | 9/28/2018 21:05 |
| Trichlorofluoromethane | < 2.00 | ug/L | | 9/28/2018 21:05 |
| Vinyl chloride | < 2.00 | ug/L | | 9/28/2018 21:05 |

| Surrogate | Percent Recovery | Limits | Outliers | Date Analyzed |
|-----------------------|------------------|------------|----------|-----------------|
| 1,2-Dichloroethane-d4 | 112 | 80.7 - 121 | | 9/28/2018 21:05 |
| 4-Bromofluorobenzene | 88.0 | 74.3 - 121 | | 9/28/2018 21:05 |
| Pentafluorobenzene | 92.0 | 86.2 - 111 | | 9/28/2018 21:05 |
| Toluene-D8 | 88.7 | 86.2 - 112 | | 9/28/2018 21:05 |

Method Reference(s): EPA 8260C

EPA 5030C

Data File: x54650.D

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Report Prepared Thursday, October 11, 2018



Lab Project ID: 184415

Client: **BE3**

Project Reference: 31 + 150 Tonawanda

Sample Identifier: 31-MW-5

Lab Sample ID: 184415-05

Date Sampled: 9/24/2018

Matrix: Groundwater

Date Received: 9/25/2018

Total Cyanide

| <u>Analyte</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|----------------|---------------|--------------|------------------|----------------------|
| Cyanide, Total | < 0.0100 | mg/L | | 10/1/2018 |

Method Reference(s): SM22 4500 CN E
Preparation Date: 10/1/2018

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Thursday, October 11, 2018



Lab Project ID: 184415

Client: BE3

Project Reference: 31 + 150 Tonawanda

Sample Identifier: Trip Blank T860

Lab Sample ID: 184415-06

Matrix: Water

Date Sampled: 9/18/2018

Date Received: 9/25/2018

Volatile Organics

| Analyte | Result | Units | Qualifier | Date Analyzed |
|-----------------------------|---------------|--------------|------------------|----------------------|
| 1,1,1-Trichloroethane | < 2.00 | ug/L | | 9/28/2018 19:32 |
| 1,1,2,2-Tetrachloroethane | < 2.00 | ug/L | | 9/28/2018 19:32 |
| 1,1,2-Trichloroethane | < 2.00 | ug/L | | 9/28/2018 19:32 |
| 1,1-Dichloroethane | < 2.00 | ug/L | | 9/28/2018 19:32 |
| 1,1-Dichloroethene | < 2.00 | ug/L | | 9/28/2018 19:32 |
| 1,2,3-Trichlorobenzene | < 5.00 | ug/L | | 9/28/2018 19:32 |
| 1,2,4-Trichlorobenzene | < 5.00 | ug/L | | 9/28/2018 19:32 |
| 1,2,4-Trimethylbenzene | < 2.00 | ug/L | | 9/28/2018 19:32 |
| 1,2-Dibromo-3-Chloropropane | < 10.0 | ug/L | | 9/28/2018 19:32 |
| 1,2-Dibromoethane | < 2.00 | ug/L | | 9/28/2018 19:32 |
| 1,2-Dichlorobenzene | < 2.00 | ug/L | | 9/28/2018 19:32 |
| 1,2-Dichloroethane | < 2.00 | ug/L | | 9/28/2018 19:32 |
| 1,2-Dichloropropane | < 2.00 | ug/L | | 9/28/2018 19:32 |
| 1,3,5-Trimethylbenzene | < 2.00 | ug/L | | 9/28/2018 19:32 |
| 1,3-Dichlorobenzene | < 2.00 | ug/L | | 9/28/2018 19:32 |
| 1,4-Dichlorobenzene | < 2.00 | ug/L | | 9/28/2018 19:32 |
| 1,4-Dioxane | < 20.0 | ug/L | | 9/28/2018 19:32 |
| 2-Butanone | < 10.0 | ug/L | | 9/28/2018 19:32 |
| 2-Hexanone | < 5.00 | ug/L | | 9/28/2018 19:32 |
| 4-Methyl-2-pentanone | < 5.00 | ug/L | | 9/28/2018 19:32 |
| Acetone | < 10.0 | ug/L | | 9/28/2018 19:32 |
| Benzene | < 1.00 | ug/L | | 9/28/2018 19:32 |
| Bromochloromethane | < 5.00 | ug/L | | 9/28/2018 19:32 |
| Bromodichloromethane | < 2.00 | ug/L | | 9/28/2018 19:32 |
| Bromoform | < 5.00 | ug/L | | 9/28/2018 19:32 |
| Bromomethane | < 2.00 | ug/L | | 9/28/2018 19:32 |
| Carbon disulfide | < 2.00 | ug/L | | 9/28/2018 19:32 |

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.



Lab Project ID: 184415

Client: **BE3**

Project Reference: 31 + 150 Tonawanda

Sample Identifier: Trip Blank T860

Lab Sample ID: 184415-06

Date Sampled: 9/18/2018

Matrix: Water

Date Received: 9/25/2018

| | | | |
|---------------------------|--------|------|-----------------|
| Carbon Tetrachloride | < 2.00 | ug/L | 9/28/2018 19:32 |
| Chlorobenzene | < 2.00 | ug/L | 9/28/2018 19:32 |
| Chloroethane | < 2.00 | ug/L | 9/28/2018 19:32 |
| Chloroform | < 2.00 | ug/L | 9/28/2018 19:32 |
| Chloromethane | < 2.00 | ug/L | 9/28/2018 19:32 |
| cis-1,2-Dichloroethene | < 2.00 | ug/L | 9/28/2018 19:32 |
| cis-1,3-Dichloropropene | < 2.00 | ug/L | 9/28/2018 19:32 |
| Cyclohexane | < 10.0 | ug/L | 9/28/2018 19:32 |
| Dibromochloromethane | < 2.00 | ug/L | 9/28/2018 19:32 |
| Dichlorodifluoromethane | < 2.00 | ug/L | 9/28/2018 19:32 |
| Ethylbenzene | < 2.00 | ug/L | 9/28/2018 19:32 |
| Freon 113 | < 2.00 | ug/L | 9/28/2018 19:32 |
| Isopropylbenzene | < 2.00 | ug/L | 9/28/2018 19:32 |
| m,p-Xylene | < 2.00 | ug/L | 9/28/2018 19:32 |
| Methyl acetate | < 2.00 | ug/L | 9/28/2018 19:32 |
| Methyl tert-butyl Ether | < 2.00 | ug/L | 9/28/2018 19:32 |
| Methylcyclohexane | < 2.00 | ug/L | 9/28/2018 19:32 |
| Methylene chloride | < 5.00 | ug/L | 9/28/2018 19:32 |
| Naphthalene | < 5.00 | ug/L | 9/28/2018 19:32 |
| n-Butylbenzene | < 2.00 | ug/L | 9/28/2018 19:32 |
| n-Propylbenzene | < 2.00 | ug/L | 9/28/2018 19:32 |
| o-Xylene | < 2.00 | ug/L | 9/28/2018 19:32 |
| p-Isopropyltoluene | < 2.00 | ug/L | 9/28/2018 19:32 |
| sec-Butylbenzene | < 2.00 | ug/L | 9/28/2018 19:32 |
| Styrene | < 5.00 | ug/L | 9/28/2018 19:32 |
| tert-Butylbenzene | < 2.00 | ug/L | 9/28/2018 19:32 |
| Tetrachloroethene | < 2.00 | ug/L | 9/28/2018 19:32 |
| Toluene | < 2.00 | ug/L | 9/28/2018 19:32 |
| trans-1,2-Dichloroethene | < 2.00 | ug/L | 9/28/2018 19:32 |
| trans-1,3-Dichloropropene | < 2.00 | ug/L | 9/28/2018 19:32 |

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Thursday, October 11, 2018



Lab Project ID: 184415

Client: **BE3**

Project Reference: 31 + 150 Tonawanda

Sample Identifier: Trip Blank T860

Lab Sample ID: 184415-06

Date Sampled: 9/18/2018

Matrix: Water

Date Received: 9/25/2018

| | | | | |
|------------------------|--------|------|-----------|-------|
| Trichloroethene | < 2.00 | ug/L | 9/28/2018 | 19:32 |
| Trichlorofluoromethane | < 2.00 | ug/L | 9/28/2018 | 19:32 |
| Vinyl chloride | < 2.00 | ug/L | 9/28/2018 | 19:32 |

| Surrogate | Percent Recovery | Limits | Outliers | Date Analyzed |
|-----------------------|-------------------------|---------------|-----------------|----------------------|
| 1,2-Dichloroethane-d4 | 111 | 80.7 - 121 | | 9/28/2018 19:32 |
| 4-Bromofluorobenzene | 79.6 | 74.3 - 121 | | 9/28/2018 19:32 |
| Pentafluorobenzene | 92.6 | 86.2 - 111 | | 9/28/2018 19:32 |
| Toluene-D8 | 86.9 | 86.2 - 112 | | 9/28/2018 19:32 |

Method Reference(s): EPA 8260C

EPA 5030C

Data File: x54646.D

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Report Prepared Thursday, October 11, 2018



Lab Project ID: 184415

Client: **BE3**

Project Reference: 31 + 150 Tonawanda

Sample Identifier: 31-MW-2

Lab Sample ID: 184415-01

Date Sampled: 9/24/2018

Matrix: Groundwater

Date Received: 9/25/2018

Volatile Tentatively Identified Compounds

| <u>Tentatively Identified Compound</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|---|----------------------|---------------------|-------------------------|-----------------------------|
| None Found | < 5.00 | ug/L | | 9/28/2018 |
| Total Reported TICS | < 5.00 | ug/L | | 9/28/2018 |
| Method Reference(s): | EPA 8260C | | | |
| | EPA 5030C | | | |

Tentatively Identified Compound results are estimated values, based on Internal Standard response factors.

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Report Prepared Thursday, October 11, 2018



Lab Project ID: 184415

Client: **BE3**

Project Reference: 31 + 150 Tonawanda

Sample Identifier: 31-MW-1

Lab Sample ID: 184415-02

Date Sampled: 9/24/2018

Matrix: Groundwater

Date Received: 9/25/2018

Volatile Tentatively Identified Compounds

| <u>Tentatively Identified Compound</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|---|----------------------|---------------------|-------------------------|-----------------------------|
| None Found | < 5.00 | ug/L | | 9/28/2018 |
| Total Reported TICS | < 5.00 | ug/L | | 9/28/2018 |
| Method Reference(s): | EPA 8260C | | | |
| | EPA 5030C | | | |

Tentatively Identified Compound results are estimated values, based on Internal Standard response factors.

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Report Prepared Thursday, October 11, 2018



Lab Project ID: 184415

Client: **BE3**

Project Reference: 31 + 150 Tonawanda

Sample Identifier: 31-MW-3

Lab Sample ID: 184415-03

Date Sampled: 9/24/2018

Matrix: Groundwater

Date Received: 9/25/2018

Volatile Tentatively Identified Compounds

| <u>Tentatively Identified Compound</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|---|----------------------|---------------------|-------------------------|-----------------------------|
| None Found | < 12500 | ug/L | | 10/1/2018 |
| Total Reported TICS | < 12500 | ug/L | | 10/1/2018 |
| Method Reference(s): | EPA 8260C | | | |
| | EPA 5030C | | | |

Tentatively Identified Compound results are estimated values, based on Internal Standard response factors.

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Report Prepared Thursday, October 11, 2018



Lab Project ID: 184415

Client: **BE3**

Project Reference: 31 + 150 Tonawanda

Sample Identifier: 31-MW-4

Lab Sample ID: 184415-04

Date Sampled: 9/24/2018

Matrix: Groundwater

Date Received: 9/25/2018

Volatile Tentatively Identified Compounds

| <u>Tentatively Identified Compound</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|---|----------------------|---------------------|-------------------------|-----------------------------|
| None Found | < 5.00 | ug/L | | 9/28/2018 |
| Total Reported TICS | < 5.00 | ug/L | | 9/28/2018 |
| Method Reference(s): | EPA 8260C | | | |
| | EPA 5030C | | | |

Tentatively Identified Compound results are estimated values, based on Internal Standard response factors.

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Report Prepared Thursday, October 11, 2018



Lab Project ID: 184415

Client: **BE3**

Project Reference: 31 + 150 Tonawanda

Sample Identifier: 31-MW-5

Lab Sample ID: 184415-05

Date Sampled: 9/24/2018

Matrix: Groundwater

Date Received: 9/25/2018

Volatile Tentatively Identified Compounds

| <u>Tentatively Identified Compound</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|---|----------------------|---------------------|-------------------------|-----------------------------|
| Chlorodifluoromethane | 518 | ug/L | | 9/28/2018 |
| Total Reported TICS | 518 | ug/L | | 9/28/2018 |

Method Reference(s): EPA 8260C
EPA 5030C

Tentatively Identified Compound results are estimated values, based on Internal Standard response factors.

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Report Prepared Thursday, October 11, 2018



Lab Project ID: 184415

Client: BE3

Project Reference: 31 + 150 Tonawanda

Sample Identifier: Trip Blank T860

Lab Sample ID: 184415-06

Date Sampled: 9/18/2018

Matrix: Water

Date Received: 9/25/2018

Volatile Tentatively Identified Compounds

| <u>Tentatively Identified Compound</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|---|----------------------|---------------------|-------------------------|-----------------------------|
| Unknown Siloxane | 5.94 | ug/L | | 9/28/2018 |
| Total Reported TICS | 5.94 | ug/L | | 9/28/2018 |

Method Reference(s): EPA 8260C
EPA 5030C

Tentatively Identified Compound results are estimated values, based on Internal Standard response factors.

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Report Prepared Thursday, October 11, 2018



PARADIGM
ENVIRONMENTAL SERVICES, INC.

QC Report for Laboratory Control Sample

Client: BE3
Project Reference: 31 + 150 Tonawanda
Lab Project ID: 184415
SDG #: 4415-01
Matrix: Groundwater

Dissolved Mercury

| Analyte | Spike Added | Spike Units | LCS Result | LCS % Recovery | % Rec Limits | LCS Outliers | Date Analyzed |
|--------------------------------|-------------|-------------|------------|----------------|--------------|--------------|---------------|
| Mercury | 0.00200 | mg/L | 0.00136 | 68.0 | 85 - 115 | * | 9/27/2018 |
| Method Reference(s): EPA 7470A | | | | | | | |
| Preparation Date: 9/27/2018 | | | | | | | |
| Data File: Hg180927A | | | | | | | |
| QC Number: 2 | | | | | | | |
| QC Batch ID: QC180927HgWater | | | | | | | |

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Analytical Report Appendix

The reported results relate only to the samples as they have been received by the laboratory.

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All soil/sludge samples have been reported on a dry weight basis, unless qualified "reported as received". Other solids are reported as received.

Low level Volatiles blank reports for soil/solid matrix are based on a nominal 5 gram weight. Sample results and reporting limits are based on actual weight, which may be more or less than 5 grams.

The Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt. Sample condition requirements are defined under the 2003 NELAC Standard, sections 5.5.8.3.1 and 5.5.8.3.2.

NYSDOH ELAP does not certify for all parameters. Paradigm Environmental Services or the indicated subcontracted laboratory does hold certification for all analytes where certification is offered by ELAP unless otherwise specified. Aliquots separated for certain tests, such as TCLP, are indicated on the Chain of Custody and final reports with an "A" suffix.

Data qualifiers are used, when necessary, to provide additional information about the data. This information may be communicated as a flag or as text at the bottom of the report. Please refer to the following list of analyte-specific, frequently used data flags and their meaning:

"<" = Analyzed for but not detected at or above the quantitation limit.

"E" = Result has been estimated, calibration limit exceeded.

"Z" = See case narrative.

"D" = Sample, Laboratory Control Sample, or Matrix Spike Duplicate results above Relative Percent Difference limit.

"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.

"B" = Method blank contained trace levels of analyte. Refer to included method blank report.

"J" = Result estimated between the quantitation limit and half the quantitation limit.

"L" = Laboratory Control Sample recovery outside accepted QC limits.

"P" = Concentration differs by more than 40% between the primary and secondary analytical columns.

"NC" = Not calculable. Applicable to RPD if sample or duplicate result is non-detect or estimated (see primary report for data flags). Applicable to MS if sample is greater or equal to ten times the spike added. Applicable to sample surrogates or MS if sample dilution is 10x or higher.

"" = Indicates any recoveries outside associated acceptance windows. Surrogate outliers in samples are presumed matrix effects. LCS demonstrates method compliance unless otherwise noted.*

"(1)" = Indicates data from primary column used for QC calculation.

"A" = denotes a parameter for which ELAP does not offer approval as part of their laboratory certification program.

"F" = denotes a parameter for which Paradigm does not carry certification, the results for which should therefore only be used where ELAP certification is not required, such as personal exposure assessment.

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Report Prepared Thursday, April 26, 2018

GENERAL TERMS AND CONDITIONS

LABORATORY SERVICES

These Terms and Conditions embody the whole agreement of the parties in the absence of a signed and executed contract between the Laboratory (LAB) and Client. They shall supersede all previous communications, representations, or agreements, either verbal or written, between the parties. The LAB specifically rejects all additional, inconsistent, or conflicting terms, whether printed or otherwise set forth in any purchase order or other communication from the Client to the LAB. The invalidity or unenforceability in whole or in part of any provision, term or condition hereof shall not affect in any way the validity or enforceability of the remainder of the Terms and Conditions. No waiver by LAB of any provision, term, or condition hereof or of any breach by or obligation of the Client hereunder shall constitute a waiver of such provision, term, or condition on any other occasion or a waiver of any other breach by or obligation of the Client. This agreement shall be administered and interpreted under the laws of the state which services are procured.

Warranty.

Recognizing that the nature of many samples is unknown and that some may contain potentially hazardous components, LAB warrants only that it will perform testing services, obtain findings, and prepare reports in accordance with generally accepted analytical laboratory principles and practices at the time of performance of services. LAB makes no other warranty, express or implied.

Scope and Compensation.

LAB agrees to perform the services described in the chain of custody to which these terms and conditions are attached. Unless the parties agree in writing to the contrary, the duties of LAB shall not be construed to exceed the services specifically described. LAB will use LAB default method for all tests unless specified otherwise on the Work Order.

Payment terms are net 30 days from the date of invoice. All overdue payments are subject to an interest charge of one and one-half percent (1-1/2%) per month or a portion thereof. Client shall also be responsible for costs of collection, including payment of reasonable attorney fees if such expense is incurred. The prices, unless stated, do not include any sale, use or other taxes. Such taxes will be added to invoice prices when required.

Prices.

Compensation for services performed will be based on the current Lab Analytical Fee Schedule or on quotations agreed to in writing by the parties. Turnaround time based charges are determined from the time of resolution of all work order questions. Testimony, court appearances or data compilation for legal action will be charged separately. Evaluation and reporting of initial screening runs may incur additional fees.

Limitations of Liability.

In the event of any error, omission, or other professional negligence, the sole and exclusive responsibility of LAB shall be to re-perform the deficient work at its own expense and LAB shall have no other liability whatsoever. All claims shall be deemed waived unless made in writing and received by LAB within ninety (90) days following completion of services.

LAB shall have no liability, obligation, or responsibility of any kind for losses, costs, expenses, or other damages (including but not limited to any special, direct, incidental or consequential damages) with respect to LAB's services or results.

All results provided by LAB are strictly for the use of its clients and LAB is in no way responsible for the use of such results by clients or third parties. All reports should be considered in their entirety, and LAB is not responsible for the separation, detachment, or other use of any portion of these reports. Client may not assign the lab report without the written consent of the LAB.

Client covenants and agrees, at its/his/her sole expense, to indemnify, protect, defend, and save harmless the LAB from and against any and all damages, losses, liabilities, obligations, penalties, claims, litigation, demands, defenses, judgments, suits, actions, proceedings, costs, disbursements and/or expenses (including, without limitation attorneys' and experts' fees and disbursements) of any kind whatsoever which may at any time be imposed upon, incurred by or asserted or awarded against client relating to, resulting from or arising out of (a) the breach of this agreement by this client, (b) the negligence of the client in handling, delivering or disclosing any hazardous substance, (c) the violation of the Client of any applicable law, (d) non-compliance by the Client with any environmental permit or (e) a material misrepresentation in disclosing the materials to be tested.

Hazard Disclosure.

Client represents and warrants that any sample delivered to LAB will be preceded or accompanied by complete written disclosure of the presence of any hazardous substances known or suspected by Client. Client further warrants that any sample containing any hazardous substance that is to be delivered to LAB will be packaged, labeled, transported, and delivered properly and in accordance with applicable laws.

Sample Handling.

Prior to LAB's acceptance of any sample (or after any revocation of acceptance), the entire risk of loss or of damage to such sample remains with Client. Samples are accepted when receipt is acknowledged on chain of custody documentation. In no event will LAB have any responsibility for the action or inaction of any carrier shipping or delivering any sample to or from LAB premises.

Client authorizes LAB to proceed with the analysis of samples as received by the laboratory, recognizing that any samples not in compliance with all current DOH-ELAP-NELAP requirements for containers, preservation or holding time will be noted as such on the final report.

Disposal of hazardous waste samples is the responsibility of the Client. If the Client does not wish such samples returned, LAB may add storage and disposal fees to the final invoice. Maximum storage time for samples is 30 days after completion of analysis unless modified by applicable state or federal laws. Client will be required to give the LAB written instructions concerning disposal of these samples.

LAB reserves the absolute right, exercisable at any time, to refuse to receive delivery of, refuse to accept, or revoke acceptance of any sample, which, in the sole judgment of LAB (a) is of unsuitable volume, (b) may be or become unsuitable for or may pose a risk in handling, transport, or processing for any health, safety, environmental or other reason whether or not due to the presence in the sample of any hazardous substance, and whether or not such presence has been disclosed to LAB by Client or (c) if the condition or sample date make the sample unsuitable for analysis.

Legal Responsibility.

LAB is solely responsible for performance of this contract, and no affiliated company, director, officer, employee, or agent shall have any legal responsibility hereunder, whether in contract or tort including negligence.

Assignment.

LAB may assign its performance obligations under this contract to other parties, as it deems necessary. LAB shall disclose to Client any assignee (subcontractor) by ELAP ID # on the submitted final report.

Force Majeure.

LAB shall have no responsibility or liability to the Client for any failure or delay in performance by LAB, which results in whole or in part from any cause or circumstance beyond the reasonable control of LAB. Such causes and circumstances shall include, but not limited to, acts of God, acts or orders of any government authority, strikes or other labor disputes, natural disasters, accidents, wars, civil disturbances, difficulties or delays in transportation, mail or delivery services, inability to obtain sufficient services or supplies from LAB's usual suppliers, or any other cause beyond LAB's reasonable control.

Law.

This contract shall be continued under the laws of the State of New York without regard to its conflicts of laws provision.

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Thursday, April 26, 2018

CHAIN OF CUSTODY

1 of 1 162

PARADIGM

REPORT TO:

INVOICE TO:

LAB PROJECT ID

CLIENT:

ADDRESS:

1270 Niagara St

CITY:

Buffalo NY 14213

STATE:

ZIP:

Quotation #:

184415

Email: abennun@bcs3corp.com

jberry@bcs3corp.com

PROJECT REFERENCE

30+150 Turnaround 5+

ATTN:

Pete Gordon

ATTN:

Matrix Codes:

AQ - Aqueous Liquid
NQ - Non-Aqueous LiquidWA - Water
WG - GroundwaterDW - Drinking Water
WW - WastewaterSO - Soil
SL - SludgeSD - Solid
PT - PaintWP - Wipe
CK - CaulkOL - Oil
AR - Air

REQUESTED ANALYSIS

| DATE COLLECTED | TIME COLLECTED | C O M P O S I T E | SAMPLE IDENTIFIER | M A C A O T D R E I S | C O N T A I N E R S | TCL VOC+TIC | TCL SVOC | Pesticides | PCBs | Pt 375 Metals | Total Cyanide | Pt 375 Met Dis | PFA's | 1,4 Diol | REMARKS | PARADIGM LAB SAMPLE NUMBER |
|----------------|----------------|-------------------|-------------------|-----------------------|---------------------|-------------|----------|------------|------|---------------|---------------|----------------|-------|----------|---------|----------------------------|
|----------------|----------------|-------------------|-------------------|-----------------------|---------------------|-------------|----------|------------|------|---------------|---------------|----------------|-------|----------|---------|----------------------------|

09/24/18

1005

X

31-MW-2

GW

7

X

X

X

X

X

X

X

X

X

X

01

09/24/18

1150

X

31-MW-1

GW

7

X

X

X

X

X

X

X

X

X

X

02A

09/24/18

1320

X

31-MW-3

GW

7

X

X

X

X

X

X

X

X

X

X

03

09/24/18

1515

X

31-MW-4

GW

7

X

X

X

X

X

X

X

X

X

X

04

09/24/18

1635

X

31-MW-5

GW

7

X

X

X

X

X

X

X

X

X

X

05

09/24/18

1818

X

Trip Blank T860 m/15/18

W

1

X

X

X

X

X

X

X

X

X

X

06

Turnaround Time

Report Supplements

Availability contingent upon lab approval; additional fees may apply.

Standard 5 day

☐

None Required

☐

Batch QC

☐

Basic EDD

☐

NYSDEC EDD

☒

10 day

☒

Batch QC

☐

Category A

☐

Category B

☐

Rush 3 day

☐

Category A

☐

Category B

☐

Rush 2 day

☐

Category A

☐

Category B

☐

Rush 1 day

☐

Category A

☐

Category B

☐

Other

☐

Other

☐

Other EDD

☐

Other EDD

☐

please indicate date needed:

☐

Other

☐

Other EDD

☐

Other EDD

☐

Sampled By

Alex Brunner

Date/Time

09/24/18

Total Cost:

Relinquished By

Alex Brunner

Date/Time

09/24/18

1700

Received By

Alex Brunner

Date/Time

9/25/18

9:00

P.L.F.

Received@ Lab By

Alex Brunner

Date/Time

9/25/18

1440

3°C ice

9/25/18

13:03

N/A

custody seals

By signing this form, client agrees to Paradigm Terms and Conditions (reverse).



Chain of Custody Supplement

Client:

BE3

Completed by:

Moly Kail

Lab Project ID:

184415

Date:

9/25/18

Sample Condition Requirements

Per NELAC/ELAP 210/241/242/243/244

| Condition | NELAC compliance with the sample condition requirements upon receipt | | |
|--|--|--------------------------|-------------------------------------|
| | Yes | No | N/A |
| Container Type | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Comments | | | |
| Transferred to method-compliant container | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Headspace (<1 mL) | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Comments | | | |
| Preservation | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Comments | | | |
| Chlorine Absent (<0.10 ppm per test strip) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Comments | | | |
| Holding Time | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Comments | | | |
| Temperature | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Comments | 3°C cool 9/25/18 1303 | | |
| Sufficient Sample Quantity | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Comments | PFA, 1,4 Dioxin sent directly to sub lab | | |



ANALYTICAL REPORT

| | |
|-----------------|---|
| Lab Number: | L1838408 |
| Client: | Paradigm Environmental Services 179 Lake Avenue Rochester, NY 14608 |
| ATTN: | Jane Daloia |
| Phone: | (585) 647-2530 |
| Project Name: | 31-150 TONAWANDA ST |
| Project Number: | 31-150 TONAWANDA ST |
| Report Date: | 10/08/18 |

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Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

320 Forbes Boulevard, Mansfield, MA 02048-1806
508-822-9300 (Fax) 508-822-3288 800-624-9220 - www.alphalab.com



Project Name: 31-150 TONAWANDA ST
Project Number: 31-150 TONAWANDA ST

Lab Number: L1838408
Report Date: 10/08/18

| Alpha Sample ID | Client ID | Matrix | Sample Location | Collection Date/Time | Receive Date |
|----------------------------|------------------|---------------|----------------------------|---------------------------------|---------------------|
| L1838408-01 | 31-MW-2 | WATER | Not Specified | 09/24/18 10:05 | 09/25/18 |
| L1838408-02 | 31-MW-3 | WATER | Not Specified | 09/24/18 13:20 | 09/25/18 |
| L1838408-03 | 31-MW-4 | WATER | Not Specified | 09/24/18 15:15 | 09/25/18 |
| L1838408-04 | FIELD BLANK | WATER | Not Specified | | 09/25/18 |

Project Name: 31-150 TONAWANDA ST
Project Number: 31-150 TONAWANDA ST

Lab Number: L1838408
Report Date: 10/08/18

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

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

HOLD POLICY

For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

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

Project Name: 31-150 TONAWANDA ST
Project Number: 31-150 TONAWANDA ST

Lab Number: L1838408
Report Date: 10/08/18

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Sample Receipt

L1838408-04 : A sample identified as "FIELD BLANK" was received but not listed on the Chain of Custody. At the client's request, this sample was not analyzed.

1,4-Dioxane by 8270-SIM

The WG1162707-4/-5 MS/MSD recoveries, performed on L1838408-02, are outside the acceptance criteria for 1,4-dioxane (0%/0%). The unacceptable percent recoveries are attributed to the elevated concentrations of target compounds present in the native sample.

Perfluorinated Alkyl Acids by Isotope Dilution

The WG1161971-2/-3 LCS/LCSD RPDs, associated with L1838408-01 through -03, are above the acceptance criteria for 1h,1h,2h,2h-perfluorodecanesulfonic acid (8:2fts) (32%) and n-methyl perfluorooctanesulfonamidoacetic acid (nmefosaa) (32%).

The WG1161971-6 MS recovery, performed on L1838408-02, is above the acceptance criteria for 1h,1h,2h,2h-perfluorodecanesulfonic acid (8:2fts) (196%).

The WG1161971-6/-7 MS/MSD RPD, performed on L1838408-02, is above the acceptance criteria for 1h,1h,2h,2h-perfluorodecanesulfonic acid (8:2fts) (43%).

WG1164294-6: The continuing calibration standard, associated with L1838408 as well as the associated QC, had the response for the extracted internal standard Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS) (155.4%D) above the acceptance criteria for the method. The associated target analytes were within acceptance criteria, therefore no further action was taken.

WG1164294-4: The continuing calibration standard, associated with L1838408 as well as the associated QC, had the response for 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS) (145.3%D), Perfluorodecanesulfonic Acid (PFDS) (155.6%D) above the acceptance criteria for the method. The associated

Project Name: 31-150 TONAWANDA ST
Project Number: 31-150 TONAWANDA ST

Lab Number: L1838408
Report Date: 10/08/18

Case Narrative (continued)

samples were non-detect, therefore no further action was taken.

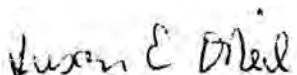
WG1164294-5: The continuing calibration standard, associated with L1838408 as well as the associated QC, had the response for the extracted internal standard Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS) (155.2%D) above the acceptance criteria for the method. The associated target analytes were within acceptance criteria, therefore no further action was taken.

WG1164294-7: The continuing calibration standard, associated with L1838408 as well as the associated QC, had the response for the extracted internal standard Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS) (154.4%D) above the acceptance criteria for the method. The associated target analytes were within acceptance criteria, therefore no further action was taken.

WG1164294-5: The continuing calibration standard, associated with L1838408 as well as the associated QC, had the response for Perfluorodecanesulfonic Acid (PFDS) (208.6%D) above the acceptance criteria for the method. The associated samples were non-detect, therefore no further action was taken.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:

 Susan O'Neil

Title: Technical Director/Representative

Date: 10/08/18

ORGANICS

SEMIVOLATILES

Project Name: 31-150 TONAWANDA ST
Project Number: 31-150 TONAWANDA ST

Lab Number: L1838408
Report Date: 10/08/18

SAMPLE RESULTS

Lab ID: L1838408-01
 Client ID: 31-MW-2
 Sample Location: Not Specified

Date Collected: 09/24/18 10:05
 Date Received: 09/25/18
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8270D-SIM
 Analytical Date: 10/02/18 18:09
 Analyst: PS

Extraction Method: EPA 3510C
 Extraction Date: 10/01/18 13:00

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|--|------------|-----------|-----------|---------------------|------|-----------------|
| 1,4 Dioxane by 8270D-SIM - Mansfield Lab | | | | | | |
| 1,4-Dioxane | ND | | ng/l | 174 | 87.2 | 1 |
| Surrogate | % Recovery | | Qualifier | Acceptance Criteria | | |
| 1,4-Dioxane-d8 | 27 | | | 15-110 | | |

Project Name: 31-150 TONAWANDA ST**Lab Number:** L1838408**Project Number:** 31-150 TONAWANDA ST**Report Date:** 10/08/18**SAMPLE RESULTS**

Lab ID: L1838408-01

Date Collected: 09/24/18 10:05

Client ID: 31-MW-2

Date Received: 09/25/18

Sample Location: Not Specified

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Extraction Method: EPA 537

Analytical Method: 122,537(M)

Extraction Date: 09/28/18 10:00

Analytical Date: 10/05/18 09:47

Analyst: AJ

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|--|--------|-----------|-------|------|-------|-----------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab | | | | | | |
| Perfluorobutanoic Acid (PFBA) | ND | | ng/l | 1.91 | 0.125 | 1 |
| Perfluoropentanoic Acid (PFPeA) | ND | | ng/l | 1.91 | 0.082 | 1 |
| Perfluorobutanesulfonic Acid (PFBS) | ND | | ng/l | 1.91 | 0.105 | 1 |
| Perfluorohexanoic Acid (PFHxA) | ND | | ng/l | 1.91 | 0.121 | 1 |
| Perfluoroheptanoic Acid (PFHpA) | ND | | ng/l | 1.91 | 0.088 | 1 |
| Perfluorohexanesulfonic Acid (PFHxS) | ND | | ng/l | 1.91 | 0.103 | 1 |
| Perfluorooctanoic Acid (PFOA) | 1.43 | J | ng/l | 1.91 | 0.048 | 1 |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS) | 6.84 | | ng/l | 1.91 | 0.185 | 1 |
| Perfluoroheptanesulfonic Acid (PFHpS) | ND | | ng/l | 1.91 | 0.148 | 1 |
| Perfluorononanoic Acid (PFNA) | 0.744 | J | ng/l | 1.91 | 0.096 | 1 |
| Perfluorooctanesulfonic Acid (PFOS) | 0.317 | J | ng/l | 1.91 | 0.106 | 1 |
| Perfluorodecanoic Acid (PFDA) | ND | | ng/l | 1.91 | 0.182 | 1 |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS) | ND | | ng/l | 1.91 | 0.277 | 1 |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA) | ND | | ng/l | 1.91 | 0.239 | 1 |
| Perfluoroundecanoic Acid (PFUnA) | ND | | ng/l | 1.91 | 0.182 | 1 |
| Perfluorodecanesulfonic Acid (PFDS) | ND | | ng/l | 1.91 | 0.212 | 1 |
| Perfluorooctanesulfonamide (FOSA) | ND | | ng/l | 1.91 | 0.216 | 1 |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA) | ND | | ng/l | 1.91 | 0.356 | 1 |
| Perfluorododecanoic Acid (PFDoA) | ND | | ng/l | 1.91 | 0.087 | 1 |
| Perfluorotridecanoic Acid (PFTrDA) | ND | | ng/l | 1.91 | 0.086 | 1 |
| Perfluorotetradecanoic Acid (PFTA) | ND | | ng/l | 1.91 | 0.069 | 1 |

Project Name: 31-150 TONAWANDA ST**Lab Number:** L1838408**Project Number:** 31-150 TONAWANDA ST**Report Date:** 10/08/18**SAMPLE RESULTS****Lab ID:** L1838408-01**Date Collected:** 09/24/18 10:05**Client ID:** 31-MW-2**Date Received:** 09/25/18**Sample Location:** Not Specified**Field Prep:** Not Specified**Sample Depth:**

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|--|--------|-----------|-------|----|-----|-----------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab | | | | | | |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|--|------------|-----------|---------------------|
| Perfluoro[13C4]Butanoic Acid (MPFBA) | 72 | | 2-156 |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA) | 61 | | 16-173 |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS) | 109 | | 31-159 |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA) | 87 | | 21-145 |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA) | 85 | | 30-139 |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS) | 93 | | 47-153 |
| Perfluoro[13C8]Octanoic Acid (M8PFOA) | 73 | | 36-149 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS) | 116 | | 1-244 |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA) | 68 | | 34-146 |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS) | 89 | | 42-146 |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA) | 69 | | 38-144 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS) | 137 | | 7-170 |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 37 | | 1-181 |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA) | 62 | | 40-144 |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA) | 59 | | 1-87 |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA) | 36 | | 23-146 |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA) | 51 | | 24-161 |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA) | 44 | | 33-143 |

Project Name: 31-150 TONAWANDA ST**Lab Number:** L1838408**Project Number:** 31-150 TONAWANDA ST**Report Date:** 10/08/18**SAMPLE RESULTS**

Lab ID: L1838408-02

Date Collected: 09/24/18 13:20

Client ID: 31-MW-3

Date Received: 09/25/18

Sample Location: Not Specified

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Extraction Method: EPA 537

Analytical Method: 122,537(M)

Extraction Date: 09/28/18 10:00

Analytical Date: 10/05/18 10:03

Analyst: AJ

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|--|--------|-----------|-------|------|-------|-----------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab | | | | | | |
| Perfluorobutanoic Acid (PFBA) | 12.6 | | ng/l | 1.89 | 0.124 | 1 |
| Perfluoropentanoic Acid (PFPeA) | 30.2 | | ng/l | 1.89 | 0.081 | 1 |
| Perfluorobutanesulfonic Acid (PFBS) | ND | | ng/l | 1.89 | 0.104 | 1 |
| Perfluorohexanoic Acid (PFHxA) | 14.5 | | ng/l | 1.89 | 0.120 | 1 |
| Perfluoroheptanoic Acid (PFHpA) | 8.37 | | ng/l | 1.89 | 0.088 | 1 |
| Perfluorohexanesulfonic Acid (PFHxS) | 4.52 | | ng/l | 1.89 | 0.102 | 1 |
| Perfluorooctanoic Acid (PFOA) | 14.8 | | ng/l | 1.89 | 0.048 | 1 |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS) | 6.98 | | ng/l | 1.89 | 0.184 | 1 |
| Perfluoroheptanesulfonic Acid (PFHpS) | ND | | ng/l | 1.89 | 0.147 | 1 |
| Perfluorononanoic Acid (PFNA) | 1.72 | J | ng/l | 1.89 | 0.095 | 1 |
| Perfluorooctanesulfonic Acid (PFOS) | 10.0 | | ng/l | 1.89 | 0.106 | 1 |
| Perfluorodecanoic Acid (PFDA) | ND | | ng/l | 1.89 | 0.180 | 1 |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS) | ND | | ng/l | 1.89 | 0.275 | 1 |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA) | ND | | ng/l | 1.89 | 0.237 | 1 |
| Perfluoroundecanoic Acid (PFUnA) | ND | | ng/l | 1.89 | 0.181 | 1 |
| Perfluorodecanesulfonic Acid (PFDS) | ND | | ng/l | 1.89 | 0.211 | 1 |
| Perfluorooctanesulfonamide (FOSA) | ND | | ng/l | 1.89 | 0.215 | 1 |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA) | ND | | ng/l | 1.89 | 0.353 | 1 |
| Perfluorododecanoic Acid (PFDoA) | ND | | ng/l | 1.89 | 0.087 | 1 |
| Perfluorotridecanoic Acid (PFTrDA) | ND | | ng/l | 1.89 | 0.086 | 1 |
| Perfluorotetradecanoic Acid (PFTA) | ND | | ng/l | 1.89 | 0.068 | 1 |

Project Name: 31-150 TONAWANDA ST**Lab Number:** L1838408**Project Number:** 31-150 TONAWANDA ST**Report Date:** 10/08/18**SAMPLE RESULTS****Lab ID:** L1838408-02**Date Collected:** 09/24/18 13:20**Client ID:** 31-MW-3**Date Received:** 09/25/18**Sample Location:** Not Specified**Field Prep:** Not Specified**Sample Depth:**

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|--|--------|-----------|-------|----|-----|-----------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab | | | | | | |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|--|------------|-----------|---------------------|
| Perfluoro[13C4]Butanoic Acid (MPFBA) | 74 | | 2-156 |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA) | 57 | | 16-173 |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS) | 116 | | 31-159 |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA) | 91 | | 21-145 |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA) | 89 | | 30-139 |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS) | 99 | | 47-153 |
| Perfluoro[13C8]Octanoic Acid (M8PFOA) | 69 | | 36-149 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS) | 80 | | 1-244 |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA) | 65 | | 34-146 |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS) | 81 | | 42-146 |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA) | 69 | | 38-144 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS) | 109 | | 7-170 |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 42 | | 1-181 |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA) | 69 | | 40-144 |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA) | 55 | | 1-87 |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA) | 53 | | 23-146 |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA) | 53 | | 24-161 |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA) | 51 | | 33-143 |

Project Name: 31-150 TONAWANDA ST**Lab Number:** L1838408**Project Number:** 31-150 TONAWANDA ST**Report Date:** 10/08/18**SAMPLE RESULTS**

Lab ID: L1838408-02 D

Date Collected: 09/24/18 13:20

Client ID: 31-MW-3

Date Received: 09/25/18

Sample Location: Not Specified

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Extraction Method: EPA 3510C

Analytical Method: 1,8270D-SIM

Extraction Date: 10/01/18 13:00

Analytical Date: 10/04/18 11:48

Analyst: PS

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|--|------------|-----------|-----------|---------------------|------|-----------------|
| 1,4 Dioxane by 8270D-SIM - Mansfield Lab | | | | | | |
| 1,4-Dioxane | 5020000 | | ng/l | 3570 | 1780 | 20 |
| Surrogate | % Recovery | | Qualifier | Acceptance Criteria | | |
| 1,4-Dioxane-d8 | 22 | | | 15-110 | | |

Project Name: 31-150 TONAWANDA ST
Project Number: 31-150 TONAWANDA ST

Lab Number: L1838408
Report Date: 10/08/18

SAMPLE RESULTS

Lab ID: L1838408-03
 Client ID: 31-MW-4
 Sample Location: Not Specified

Date Collected: 09/24/18 15:15
 Date Received: 09/25/18
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8270D-SIM
 Analytical Date: 10/03/18 17:17
 Analyst: PS

Extraction Method: EPA 3510C
 Extraction Date: 10/01/18 13:00

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|--|------------|-----------|-----------|---------------------|------|-----------------|
| 1,4 Dioxane by 8270D-SIM - Mansfield Lab | | | | | | |
| 1,4-Dioxane | 9780 | | ng/l | 168 | 84.3 | 1 |
| Surrogate | % Recovery | | Qualifier | Acceptance Criteria | | |
| 1,4-Dioxane-d8 | 22 | | | 15-110 | | |

Project Name: 31-150 TONAWANDA ST**Lab Number:** L1838408**Project Number:** 31-150 TONAWANDA ST**Report Date:** 10/08/18**SAMPLE RESULTS**

Lab ID: L1838408-03

Date Collected: 09/24/18 15:15

Client ID: 31-MW-4

Date Received: 09/25/18

Sample Location: Not Specified

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Extraction Method: EPA 537

Analytical Method: 122,537(M)

Extraction Date: 09/28/18 10:00

Analytical Date: 10/05/18 10:53

Analyst: AJ

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|--|--------|-----------|-------|------|-------|-----------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab | | | | | | |
| Perfluorobutanoic Acid (PFBA) | 15.2 | | ng/l | 1.98 | 0.130 | 1 |
| Perfluoropentanoic Acid (PFPeA) | 32.6 | | ng/l | 1.98 | 0.085 | 1 |
| Perfluorobutanesulfonic Acid (PFBS) | 3.03 | | ng/l | 1.98 | 0.109 | 1 |
| Perfluorohexanoic Acid (PFHxA) | 21.2 | | ng/l | 1.98 | 0.125 | 1 |
| Perfluoroheptanoic Acid (PFHpA) | 14.3 | | ng/l | 1.98 | 0.092 | 1 |
| Perfluorohexanesulfonic Acid (PFHxS) | 9.47 | | ng/l | 1.98 | 0.107 | 1 |
| Perfluorooctanoic Acid (PFOA) | 19.2 | | ng/l | 1.98 | 0.050 | 1 |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS) | 6.15 | | ng/l | 1.98 | 0.192 | 1 |
| Perfluoroheptanesulfonic Acid (PFHpS) | 1.35 | J | ng/l | 1.98 | 0.154 | 1 |
| Perfluorononanoic Acid (PFNA) | 5.00 | | ng/l | 1.98 | 0.100 | 1 |
| Perfluorooctanesulfonic Acid (PFOS) | 31.3 | | ng/l | 1.98 | 0.111 | 1 |
| Perfluorodecanoic Acid (PFDA) | 1.35 | J | ng/l | 1.98 | 0.189 | 1 |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS) | ND | | ng/l | 1.98 | 0.288 | 1 |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA) | ND | | ng/l | 1.98 | 0.248 | 1 |
| Perfluoroundecanoic Acid (PFUnA) | ND | | ng/l | 1.98 | 0.190 | 1 |
| Perfluorodecanesulfonic Acid (PFDS) | ND | | ng/l | 1.98 | 0.221 | 1 |
| Perfluorooctanesulfonamide (FOSA) | ND | | ng/l | 1.98 | 0.225 | 1 |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA) | ND | | ng/l | 1.98 | 0.370 | 1 |
| Perfluorododecanoic Acid (PFDoA) | ND | | ng/l | 1.98 | 0.091 | 1 |
| Perfluorotridecanoic Acid (PFTrDA) | ND | | ng/l | 1.98 | 0.090 | 1 |
| Perfluorotetradecanoic Acid (PFTA) | ND | | ng/l | 1.98 | 0.071 | 1 |

Project Name: 31-150 TONAWANDA ST**Lab Number:** L1838408**Project Number:** 31-150 TONAWANDA ST**Report Date:** 10/08/18**SAMPLE RESULTS****Lab ID:** L1838408-03**Date Collected:** 09/24/18 15:15**Client ID:** 31-MW-4**Date Received:** 09/25/18**Sample Location:** Not Specified**Field Prep:** Not Specified**Sample Depth:**

| Parameter | Result | Qualifier | Units | RL | MDL | Dilution Factor |
|--|--------|-----------|-------|----|-----|-----------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab | | | | | | |

| Surrogate | % Recovery | Qualifier | Acceptance Criteria |
|--|------------|-----------|---------------------|
| Perfluoro[13C4]Butanoic Acid (MPFBA) | 73 | | 2-156 |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA) | 61 | | 16-173 |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS) | 99 | | 31-159 |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA) | 96 | | 21-145 |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA) | 89 | | 30-139 |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS) | 82 | | 47-153 |
| Perfluoro[13C8]Octanoic Acid (M8PFOA) | 78 | | 36-149 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS) | 76 | | 1-244 |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA) | 76 | | 34-146 |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS) | 73 | | 42-146 |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA) | 75 | | 38-144 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS) | 100 | | 7-170 |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 35 | | 1-181 |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA) | 74 | | 40-144 |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA) | 53 | | 1-87 |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA) | 44 | | 23-146 |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA) | 58 | | 24-161 |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA) | 46 | | 33-143 |

Project Name: 31-150 TONAWANDA ST

Lab Number: L1838408

Project Number: 31-150 TONAWANDA ST

Report Date: 10/08/18

Method Blank Analysis Batch Quality Control

Analytical Method: 122,537(M)
 Analytical Date: 10/05/18 03:26
 Analyst: AJ

Extraction Method: EPA 537
 Extraction Date: 09/28/18 10:00

| Parameter | Result | Qualifier | Units | RL | MDL |
|--|--------|-----------|-------|------|-------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01-03 Batch: WG1161971-1 | | | | | |
| Perfluorobutanoic Acid (PFBA) | ND | | ng/l | 2.00 | 0.131 |
| Perfluoropentanoic Acid (PFPeA) | ND | | ng/l | 2.00 | 0.086 |
| Perfluorobutanesulfonic Acid (PFBS) | ND | | ng/l | 2.00 | 0.110 |
| Perfluorohexanoic Acid (PFHxA) | ND | | ng/l | 2.00 | 0.126 |
| Perfluoroheptanoic Acid (PFHpA) | ND | | ng/l | 2.00 | 0.092 |
| Perfluorohexanesulfonic Acid (PFHxS) | ND | | ng/l | 2.00 | 0.108 |
| Perfluorooctanoic Acid (PFOA) | ND | | ng/l | 2.00 | 0.050 |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS) | ND | | ng/l | 2.00 | 0.194 |
| Perfluoroheptanesulfonic Acid (PFHpS) | ND | | ng/l | 2.00 | 0.155 |
| Perfluorononanoic Acid (PFNA) | ND | | ng/l | 2.00 | 0.101 |
| Perfluorooctanesulfonic Acid (PFOS) | ND | | ng/l | 2.00 | 0.112 |
| Perfluorodecanoic Acid (PFDA) | ND | | ng/l | 2.00 | 0.190 |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS) | ND | | ng/l | 2.00 | 0.291 |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA) | ND | | ng/l | 2.00 | 0.250 |
| Perfluoroundecanoic Acid (PFUnA) | ND | | ng/l | 2.00 | 0.191 |
| Perfluorodecanesulfonic Acid (PFDS) | ND | | ng/l | 2.00 | 0.222 |
| Perfluorooctanesulfonamide (FOSA) | ND | | ng/l | 2.00 | 0.227 |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA) | ND | | ng/l | 2.00 | 0.373 |
| Perfluorododecanoic Acid (PFDoA) | ND | | ng/l | 2.00 | 0.092 |
| Perfluorotridecanoic Acid (PFTrDA) | ND | | ng/l | 2.00 | 0.090 |
| Perfluorotetradecanoic Acid (PFTA) | ND | | ng/l | 2.00 | 0.072 |

Project Name: 31-150 TONAWANDA ST

Lab Number: L1838408

Project Number: 31-150 TONAWANDA ST

Report Date: 10/08/18

Method Blank Analysis Batch Quality Control

Analytical Method: 122,537(M)
 Analytical Date: 10/05/18 03:26
 Analyst: AJ

Extraction Method: EPA 537
 Extraction Date: 09/28/18 10:00

| Parameter | Result | Qualifier | Units | RL | MDL |
|--|--------|-----------|-------|----|-----|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01-03 Batch: WG1161971-1 | | | | | |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria |
|--|-----------|-----------|---------------------|
| Perfluoro[13C4]Butanoic Acid (MPFBA) | 42 | | 2-156 |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA) | 50 | | 16-173 |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS) | 131 | | 31-159 |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA) | 79 | | 21-145 |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA) | 76 | | 30-139 |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS) | 103 | | 47-153 |
| Perfluoro[13C8]Octanoic Acid (M8PFOA) | 64 | | 36-149 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS) | 68 | | 1-244 |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA) | 56 | | 34-146 |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS) | 81 | | 42-146 |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA) | 59 | | 38-144 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS) | 77 | | 7-170 |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 38 | | 1-181 |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA) | 62 | | 40-144 |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA) | 2 | | 1-87 |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA) | 39 | | 23-146 |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA) | 49 | | 24-161 |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA) | 38 | | 33-143 |

Project Name: 31-150 TONAWANDA ST

Lab Number: L1838408

Project Number: 31-150 TONAWANDA ST

Report Date: 10/08/18

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D-SIM
 Analytical Date: 10/02/18 11:02
 Analyst: PS

Extraction Method: EPA 3510C
 Extraction Date: 10/01/18 13:00

| Parameter | Result | Qualifier | Units | RL | MDL |
|--|--------|-----------|-------|-----|------|
| 1,4 Dioxane by 8270D-SIM - Mansfield Lab for sample(s): 01-03 Batch: WG1162707-1 | | | | | |
| 1,4-Dioxane | ND | | ng/l | 150 | 75.0 |

| Surrogate | %Recovery | Qualifier | Acceptance Criteria |
|----------------|-----------|-----------|------------------------|
| 1,4-Dioxane-d8 | 28 | | 15-110 |

Lab Control Sample Analysis

Batch Quality Control

Project Name: 31-150 TONAWANDA ST

Lab Number: L1838408

Project Number: 31-150 TONAWANDA ST

Report Date: 10/08/18

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-03 Batch: WG1161971-2 WG1161971-3 | | | | | | | | |
| Perfluorobutanoic Acid (PFBA) | 128 | | 125 | | 67-148 | 2 | | 30 |
| Perfluoropentanoic Acid (PFPeA) | 123 | | 132 | | 63-161 | 7 | | 30 |
| Perfluorobutanesulfonic Acid (PFBS) | 124 | | 129 | | 65-157 | 4 | | 30 |
| Perfluorohexanoic Acid (PFHxA) | 136 | | 140 | | 69-168 | 3 | | 30 |
| Perfluoroheptanoic Acid (PFHpA) | 131 | | 126 | | 58-159 | 4 | | 30 |
| Perfluorohexanesulfonic Acid (PFHxS) | 130 | | 130 | | 69-177 | 0 | | 30 |
| Perfluorooctanoic Acid (PFOA) | 140 | | 132 | | 63-159 | 6 | | 30 |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS) | 131 | | 154 | | 49-187 | 16 | | 30 |
| Perfluoroheptanesulfonic Acid (PFHpS) | 112 | | 146 | | 61-179 | 26 | | 30 |
| Perfluorononanoic Acid (PFNA) | 128 | | 129 | | 68-171 | 1 | | 30 |
| Perfluorooctanesulfonic Acid (PFOS) | 90 | | 100 | | 52-151 | 11 | | 30 |
| Perfluorodecanoic Acid (PFDA) | 142 | | 147 | | 63-171 | 3 | | 30 |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS) | 111 | | 154 | | 56-173 | 32 | Q | 30 |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA) | 159 | | 115 | | 60-166 | 32 | Q | 30 |
| Perfluoroundecanoic Acid (PFUnA) | 144 | | 123 | | 60-153 | 16 | | 30 |
| Perfluorodecanesulfonic Acid (PFDS) | 122 | | 131 | | 38-156 | 7 | | 30 |
| Perfluorooctanesulfonamide (FOSA) | 84 | | 76 | | 46-170 | 10 | | 30 |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA) | 136 | | 151 | | 45-170 | 10 | | 30 |
| Perfluorododecanoic Acid (PFDoA) | 108 | | 122 | | 67-153 | 12 | | 30 |
| Perfluorotridecanoic Acid (PFTTrDA) | 95 | | 107 | | 48-158 | 12 | | 30 |
| Perfluorotetradecanoic Acid (PFTA) | 137 | | 131 | | 59-182 | 4 | | 30 |

Lab Control Sample Analysis

Batch Quality Control

Project Name: 31-150 TONAWANDA ST

Lab Number: L1838408

Project Number: 31-150 TONAWANDA ST

Report Date: 10/08/18

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|------------------|------|-------------------|------|---------------------|-----|------|---------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-03 Batch: WG1161971-2 WG1161971-3 | | | | | | | | |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria |
|--|------------------|------|-------------------|------|------------------------|
| Perfluoro[13C4]Butanoic Acid (MPFBA) | 33 | | 35 | | 2-156 |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA) | 39 | | 40 | | 16-173 |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS) | 131 | | 119 | | 31-159 |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA) | 71 | | 71 | | 21-145 |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA) | 65 | | 71 | | 30-139 |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS) | 97 | | 89 | | 47-153 |
| Perfluoro[13C8]Octanoic Acid (M8PFOA) | 57 | | 57 | | 36-149 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS) | 69 | | 57 | | 1-244 |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA) | 55 | | 55 | | 34-146 |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS) | 88 | | 72 | | 42-146 |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA) | 55 | | 47 | | 38-144 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS) | 66 | | 42 | | 7-170 |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 36 | | 38 | | 1-181 |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA) | 54 | | 51 | | 40-144 |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA) | 3 | | 3 | | 1-87 |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA) | 37 | | 41 | | 23-146 |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA) | 51 | | 42 | | 24-161 |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA) | 41 | | 38 | | 33-143 |

Lab Control Sample Analysis Batch Quality Control

Project Name: 31-150 TONAWANDA ST

Lab Number: L1838408

Project Number: 31-150 TONAWANDA ST

Report Date: 10/08/18

| Parameter | LCS %Recovery | Qual | LCSD %Recovery | Qual | %Recovery Limits | RPD | Qual | RPD Limits |
|---|--------------------------|-------------|---------------------------|-------------|-----------------------------|------------|-------------|-----------------------|
| 1,4 Dioxane by 8270D-SIM - Mansfield Lab Associated sample(s): 01-03 Batch: WG1162707-2 WG1162707-3 | | | | | | | | |
| 1,4-Dioxane | 109 | | 112 | | 40-140 | 3 | | 30 |

| Surrogate | LCS %Recovery | Qual | LCSD %Recovery | Qual | Acceptance Criteria |
|------------------|--------------------------|-------------|---------------------------|-------------|--------------------------------|
| 1,4-Dioxane-d8 | 26 | | 26 | | 15-110 |

Matrix Spike Analysis**Batch Quality Control****Project Name:** 31-150 TONAWANDA ST**Project Number:** 31-150 TONAWANDA ST**Lab Number:** L1838408**Report Date:** 10/08/18

| Parameter | Native Sample | MS Added | MS Found | MS %Recovery | Qual | MSD Found | MSD %Recovery | Qual | Recovery Limits | RPD | Qual | RPD Limits |
|---|----------------------|-----------------|-----------------|---------------------|-------------|------------------|----------------------|-------------|------------------------|------------|-------------|-------------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1161971-6 WG1161971-7 QC Sample: L1838408-02 Client ID: 31-MW-3 | | | | | | | | | | | | |
| Perfluorobutanoic Acid (PFBA) | 12.6 | 39.4 | 64.3 | 131 | | 63.6 | 130 | | 67-148 | 1 | | 30 |
| Perfluoropentanoic Acid (PFPeA) | 30.2 | 39.4 | 75.0 | 114 | | 80.5 | 128 | | 63-161 | 7 | | 30 |
| Perfluorobutanesulfonic Acid (PFBS) | ND | 39.4 | 54.8 | 139 | | 48.7 | 124 | | 65-157 | 12 | | 30 |
| Perfluorohexanoic Acid (PFHxA) | 14.5 | 39.4 | 68.6 | 137 | | 65.5 | 130 | | 69-168 | 5 | | 30 |
| Perfluoroheptanoic Acid (PFHpA) | 8.37 | 39.4 | 57.6 | 125 | | 58.0 | 127 | | 58-159 | 1 | | 30 |
| Perfluorohexanesulfonic Acid (PFHxS) | 4.52 | 39.4 | 59.4 | 139 | | 56.6 | 133 | | 69-177 | 5 | | 30 |
| Perfluorooctanoic Acid (PFOA) | 14.8 | 39.4 | 63.9 | 125 | | 67.0 | 133 | | 63-159 | 5 | | 30 |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS) | 6.98 | 39.4 | 56.9 | 127 | | 54.5 | 121 | | 49-187 | 4 | | 30 |
| Perfluoroheptanesulfonic Acid (PFHpS) | ND | 39.4 | 40.4 | 103 | | 50.4 | 129 | | 61-179 | 22 | | 30 |
| Perfluorononanoic Acid (PFNA) | 1.72J | 39.4 | 55.5 | 141 | | 53.3 | 136 | | 68-171 | 4 | | 30 |
| Perfluorooctanesulfonic Acid (PFOS) | 10.0 | 39.4 | 44.8 | 88 | | 44.4 | 88 | | 52-151 | 1 | | 30 |
| Perfluorodecanoic Acid (PFDA) | ND | 39.4 | 49.8 | 126 | | 57.7 | 147 | | 63-171 | 15 | | 30 |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS) | ND | 39.4 | 77.3 | 196 | Q | 49.9 | 127 | | 56-173 | 43 | Q | 30 |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA) | ND | 39.4 | 36.1 | 92 | | 44.1 | 112 | | 60-166 | 20 | | 30 |
| Perfluoroundecanoic Acid (PFUnA) | ND | 39.4 | 44.7 | 114 | | 50.1 | 128 | | 60-153 | 11 | | 30 |
| Perfluorodecanesulfonic Acid (PFDS) | ND | 39.4 | 53.6 | 136 | | 56.6 | 144 | | 38-156 | 5 | | 30 |
| Perfluorooctanesulfonamide (FOSA) | ND | 39.4 | 54.2 | 138 | | 43.1 | 110 | | 46-170 | 23 | | 30 |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA) | ND | 39.4 | 48.1 | 122 | | 50.7 | 129 | | 45-170 | 5 | | 30 |
| Perfluorododecanoic Acid (PFDoA) | ND | 39.4 | 49.1 | 125 | | 39.6 | 101 | | 67-153 | 21 | | 30 |
| Perfluorotridecanoic Acid (PFTrDA) | ND | 39.4 | 39.2 | 100 | | 35.5 | 90 | | 48-158 | 10 | | 30 |
| Perfluorotetradecanoic Acid (PFTA) | ND | 39.4 | 56.5 | 144 | | 52.8 | 135 | | 59-182 | 7 | | 30 |

Matrix Spike Analysis**Batch Quality Control****Project Name:** 31-150 TONAWANDA ST**Project Number:** 31-150 TONAWANDA ST**Lab Number:** L1838408**Report Date:** 10/08/18

| Parameter | Native Sample | MS Added | MS Found | MS %Recovery | Qual | MSD Found | MSD %Recovery | Qual | Recovery Limits | RPD | Qual | RPD Limits |
|---|----------------------|-----------------|-----------------|---------------------|-------------|------------------|----------------------|-------------|------------------------|------------|-------------|-------------------|
| Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1161971-6 WG1161971-7 QC Sample: L1838408-02 Client ID: 31-MW-3 | | | | | | | | | | | | |

| Surrogate | MS % Recovery | MS Qualifier | MSD % Recovery | MSD Qualifier | Acceptance Criteria |
|--|----------------------|---------------------|-----------------------|----------------------|----------------------------|
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS) | 60 | | 79 | | 7-170 |
| 1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS) | 81 | | 74 | | 1-244 |
| N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA) | 66 | | 52 | | 23-146 |
| N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA) | 48 | | 44 | | 1-181 |
| Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA) | 70 | | 67 | | 40-144 |
| Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA) | 69 | | 62 | | 38-144 |
| Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA) | 91 | | 90 | | 21-145 |
| Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA) | 90 | | 85 | | 30-139 |
| Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS) | 96 | | 88 | | 47-153 |
| Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA) | 56 | | 66 | | 24-161 |
| Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA) | 52 | | 55 | | 33-143 |
| Perfluoro[13C4]Butanoic Acid (MPFBA) | 74 | | 72 | | 2-156 |
| Perfluoro[13C5]Pentanoic Acid (M5PFPEA) | 58 | | 58 | | 16-173 |
| Perfluoro[13C8]Octanesulfonamide (M8FOSA) | 59 | | 62 | | 1-87 |
| Perfluoro[13C8]Octanesulfonic Acid (M8PFOS) | 96 | | 77 | | 42-146 |
| Perfluoro[13C8]Octanoic Acid (M8PFOA) | 71 | | 68 | | 36-149 |
| Perfluoro[13C9]Nonanoic Acid (M9PFNA) | 63 | | 67 | | 34-146 |
| Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS) | 116 | | 108 | | 31-159 |

Matrix Spike Analysis**Batch Quality Control****Project Name:** 31-150 TONAWANDA ST**Lab Number:** L1838408**Project Number:** 31-150 TONAWANDA ST**Report Date:** 10/08/18

| Parameter | Native Sample | MS Added | MS Found | MS %Recovery | Qual | MSD Found | MSD %Recovery | Qual | Recovery Limits | RPD | Qual | RPD Limits |
|---|----------------------|-----------------|-----------------|---------------------|-------------|------------------|----------------------|-------------|------------------------|------------|-------------|-------------------|
| 1,4 Dioxane by 8270D-SIM - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1162707-4 WG1162707-5 QC Sample: L1838408-02 Client ID: 31-MW-3 | | | | | | | | | | | | |
| 1,4-Dioxane | 5020000 | 6020 | 4940000 | 0 | Q | 4680000 | 0 | Q | 40-140 | 5 | | 30 |

| Surrogate | MS % Recovery | Qualifier | MSD % Recovery | Qualifier | Acceptance Criteria |
|------------------|----------------------|------------------|-----------------------|------------------|----------------------------|
| 1,4-Dioxane-d8 | 29 | | 30 | | 15-110 |

Project Name: 31-150 TONAWANDA ST**Lab Number:** L1838408**Project Number:** 31-150 TONAWANDA ST**Report Date:** 10/08/18**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

Cooler Information

| Cooler | Custody Seal |
|--------|--------------|
| A | Absent |
| B | Absent |

Container Information

| Container ID | Container Type | Cooler | Initial pH | Final pH | Temp deg C | Pres | Seal | Frozen Date/Time | Analysis(*) |
|--------------|---|--------|------------|----------|------------|------|--------|------------------|-----------------------|
| L1838408-01A | Amber 1000ml unpreserved | B | 7 | 7 | 2.0 | Y | Absent | | A2-1,4-DIOXANE-SIM(7) |
| L1838408-01C | 2 Plastic/1 Plastic/1 H2O Plastic | A | NA | | 2.3 | Y | Absent | | A2-NY-537-ISOTOPE(14) |
| L1838408-01D | 2 Plastic/1 Plastic/1 H2O Plastic | A | NA | | 2.3 | Y | Absent | | A2-NY-537-ISOTOPE(14) |
| L1838408-01E | 2 Plastic/1 Plastic/1 H2O Plastic | A | NA | | 2.3 | Y | Absent | | A2-NY-537-ISOTOPE(14) |
| L1838408-02A | Amber 1000ml unpreserved | B | 7 | 7 | 2.0 | Y | Absent | | A2-1,4-DIOXANE-SIM(7) |
| L1838408-02B | Amber 1000ml unpreserved | B | 7 | 7 | 2.0 | Y | Absent | | A2-1,4-DIOXANE-SIM(7) |
| L1838408-02C | Amber 1000ml unpreserved | B | 7 | 7 | 2.0 | Y | Absent | | A2-1,4-DIOXANE-SIM(7) |
| L1838408-02D | 2 Plastic/1 Plastic/1 H2O Plastic | A | NA | | 2.3 | Y | Absent | | A2-NY-537-ISOTOPE(14) |
| L1838408-02E | 2 Plastic/1 Plastic/1 H2O Plastic | A | NA | | 2.3 | Y | Absent | | A2-NY-537-ISOTOPE(14) |
| L1838408-02F | 2 Plastic/1 Plastic/1 H2O Plastic | A | NA | | 2.3 | Y | Absent | | A2-NY-537-ISOTOPE(14) |
| L1838408-02G | 2 Plastic/1 Plastic/1 H2O Plastic | A | NA | | 2.3 | Y | Absent | | A2-NY-537-ISOTOPE(14) |
| L1838408-02H | 2 Plastic/1 Plastic/1 H2O Plastic | A | NA | | 2.3 | Y | Absent | | A2-NY-537-ISOTOPE(14) |
| L1838408-02I | 2 Plastic/1 Plastic/1 H2O Plastic | A | NA | | 2.3 | Y | Absent | | A2-NY-537-ISOTOPE(14) |
| L1838408-02J | 2 Plastic/1 Plastic/1 H2O Plastic | A | NA | | 2.3 | Y | Absent | | A2-NY-537-ISOTOPE(14) |
| L1838408-02K | 2 Plastic/1 Plastic/1 H2O Plastic | A | NA | | 2.3 | Y | Absent | | A2-NY-537-ISOTOPE(14) |
| L1838408-02L | 2 Plastic/1 Plastic/1 H2O Plastic | A | NA | | 2.3 | Y | Absent | | A2-NY-537-ISOTOPE(14) |
| L1838408-03A | Amber 1000ml unpreserved | B | 7 | 7 | 2.0 | Y | Absent | | A2-1,4-DIOXANE-SIM(7) |
| L1838408-03B | 2 Plastic/1 Plastic/1 H2O Plastic | A | NA | | 2.3 | Y | Absent | | A2-NY-537-ISOTOPE(14) |
| L1838408-03C | 2 Plastic/1 Plastic/1 H2O Plastic | A | NA | | 2.3 | Y | Absent | | A2-NY-537-ISOTOPE(14) |
| L1838408-03D | 2 Plastic/1 Plastic/1 H2O Plastic | A | NA | | 2.3 | Y | Absent | | A2-NY-537-ISOTOPE(14) |
| L1838408-04A | 3 Plastic Trizma/1 Plastic/1 H2O+Trizma | A | NA | | 2.3 | Y | Absent | | HOLD-537(14) |

Project Name: 31-150 TONAWANDA ST
Project Number: 31-150 TONAWANDA ST

Lab Number: L1838408
Report Date: 10/08/18

GLOSSARY

Acronyms

| | |
|----------|---|
| EDL | - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME). |
| EMPC | - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration. |
| EPA | - Environmental Protection Agency. |
| LCS | - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes. |
| LCSD | - Laboratory Control Sample Duplicate: Refer to LCS. |
| LFB | - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes. |
| MDL | - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. |
| MS | - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. |
| MSD | - Matrix Spike Sample Duplicate: Refer to MS. |
| NA | - Not Applicable. |
| NC | - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit. |
| NDPA/DPA | - N-Nitrosodiphenylamine/Diphenylamine. |
| NI | - Not Ignitable. |
| NP | - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil. |
| RL | - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable. |
| RPD | - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report. |
| SRM | - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples. |
| STLP | - Semi-dynamic Tank Leaching Procedure per EPA Method 1315. |
| TEF | - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD. |
| TEQ | - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values. |
| TIC | - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations. |

Footnotes

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Report Format: DU Report with 'J' Qualifiers



Project Name: 31-150 TONAWANDA ST
Project Number: 31-150 TONAWANDA ST

Lab Number: L1838408
Report Date: 10/08/18

Data Qualifiers

- A** - Spectra identified as "Aldol Condensation Product".
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers



Project Name: 31-150 TONAWANDA ST
Project Number: 31-150 TONAWANDA ST

Lab Number: L1838408
Report Date: 10/08/18

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.
- 122 Determination of Selected Perfluorinated Alkyl Acids in Drinking Water by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry (LC/MS/MS). EPA Method 537, EPA/600/R-08/092. Version 1.1, September 2009.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at its own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Certification Information

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

Westborough Facility

EPA 624: m/p-xylene, o-xylene

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

EPA 8270D: NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.

EPA 300: DW: Bromide

EPA 6860: SCM: Perchlorate

EPA 9010: NPW and SCM: Amenable Cyanide Distillation

SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO₂, NO₃.

Mansfield Facility

SM 2540D: TSS

EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.

EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water

EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,**

EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B

EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.

Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.**

Non-Potable Water

SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1:**

Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **EPA 351.1, SM4500P-E, SM4500P-B, E,**

SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D.

EPA 624: Volatile Halocarbons & Aromatics,

EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs

EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.

Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, SM9222D.**

Mansfield Facility:

Drinking Water

EPA 200.7: Al, Ba, Be, Cd, Cr, Cu, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1 Hg.**

EPA 522.

Non-Potable Water

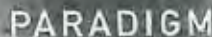
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.

EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn.

EPA 245.1 Hg.


SM2340B

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



CHAIN OF CUSTODY

11148



REPORT TO:

INVOICE TO:

CLIENT: Paradigm Environmental

ADDRESS: 179 Lake Avenue

CITY: Rochester STATE: NY ZIP: 14608

PHONE: 585-647-2530

CLIENT: Same

ADDRESS:

CITY: STATE: ZIP:

PHONE:

LAB PROJECT ID

Results by 3 PM

Email:

PROJECT REFERENCE

31-150 Tonawanda St

Matrix Codes:

AQ - Aqueous Liquid

WA - Water

DW - Drinking Water

SO - Soil

SD - Solid

WP - Wipe

OL - Oil

NQ - Non-Aqueous Liquid

WG - Groundwater

WW - Wastewater

SL - Sludge

PT - Paint

CK - Caulk

AR - Air

REQUESTED ANALYSIS

| DATE COLLECTED | TIME COLLECTED | COMPOSITE | GRAB | SAMPLE IDENTIFIER | MATRIX | CONCENTRATION | REMARKS | PARADIGM SAMPLE NUMBER |
|----------------|----------------|-----------|------|-------------------|--------|---------------|---------|------------------------|
| 09/24/18 | 10:05 | | X | 31-MW-2 | GW | 2 | | |
| | 13:20 | | | 31-MW-3 | GW | 2 | | |
| | " | | | MS | GW | 2 | | |
| | " | | | MSD | GW | 2 | | |
| | 15:15 | | | 31-MW-4 | GW | 2 | | |

| Turnaround Time | | Report Supplements | |
|-----------------|-------------------------------------|--------------------|-------------------------------------|
| Standard 5 day | <input type="checkbox"/> | None Required | <input type="checkbox"/> |
| 10 day | <input checked="" type="checkbox"/> | Batch QC | <input type="checkbox"/> |
| Rush 3 day | <input type="checkbox"/> | Category A | <input type="checkbox"/> |
| Rush 2 day | <input type="checkbox"/> | Category B | <input checked="" type="checkbox"/> |
| Rush 1 day | <input type="checkbox"/> | | |
| Other | <input type="checkbox"/> | Other | <input type="checkbox"/> |
| | | None Required | <input type="checkbox"/> |
| | | Basic EDD | <input type="checkbox"/> |
| | | NYSDEC EDD | <input checked="" type="checkbox"/> |
| | | Other EDD | <input type="checkbox"/> |

Client 9/24/18
Sampled By [Signature] Date/Time 9/25/18 12:10
Relinquished By [Signature] Date/Time 9/25/18 12:10
Received By [Signature] Date/Time 9/25/18 12:10
Received @ Lab By [Signature] Date/Time 9/25/18 05:45

RELINQUISHED BY
[Signature] AAL
[Signature] AAL

Centek Laboratories, LLC

Date: 31-Aug-18

CLIENT: BE3/Panamerican
Lab Order: C1808061
Project: 31 Tonawanda St
Lab ID: C1808061-001A

Client Sample ID: OA-01
Tag Number: 98,342
Collection Date: 8/21/2018
Matrix: AIR

| Analyses | Result | **Limit | Qual | Units | DF | Date Analyzed |
|--|--------|--------------|------|---------------------|----|----------------------|
| 1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE | | TO-15 | | Analyst: RJP | | |
| 1,1,1-Trichloroethane | < 0.82 | 0.82 | | ug/m3 | 1 | 8/27/2018 6:18:00 PM |
| 1,1,2,2-Tetrachloroethane | < 1.0 | 1.0 | | ug/m3 | 1 | 8/27/2018 6:18:00 PM |
| 1,1,2-Trichloroethane | < 0.82 | 0.82 | | ug/m3 | 1 | 8/27/2018 6:18:00 PM |
| 1,1-Dichloroethane | < 0.61 | 0.61 | | ug/m3 | 1 | 8/27/2018 6:18:00 PM |
| 1,1-Dichloroethene | < 0.16 | 0.16 | | ug/m3 | 1 | 8/27/2018 6:18:00 PM |
| 1,2,4-Trichlorobenzene | < 1.1 | 1.1 | | ug/m3 | 1 | 8/27/2018 6:18:00 PM |
| 1,2,4-Trimethylbenzene | 0.69 | 0.74 | J | ug/m3 | 1 | 8/27/2018 6:18:00 PM |
| 1,2-Dibromoethane | < 1.2 | 1.2 | | ug/m3 | 1 | 8/27/2018 6:18:00 PM |
| 1,2-Dichlorobenzene | < 0.90 | 0.90 | | ug/m3 | 1 | 8/27/2018 6:18:00 PM |
| 1,2-Dichloroethane | < 0.61 | 0.61 | | ug/m3 | 1 | 8/27/2018 6:18:00 PM |
| 1,2-Dichloropropane | < 0.69 | 0.69 | | ug/m3 | 1 | 8/27/2018 6:18:00 PM |
| 1,3,5-Trimethylbenzene | < 0.74 | 0.74 | | ug/m3 | 1 | 8/27/2018 6:18:00 PM |
| 1,3-butadiene | < 0.33 | 0.33 | | ug/m3 | 1 | 8/27/2018 6:18:00 PM |
| 1,3-Dichlorobenzene | < 0.90 | 0.90 | | ug/m3 | 1 | 8/27/2018 6:18:00 PM |
| 1,4-Dichlorobenzene | < 0.90 | 0.90 | | ug/m3 | 1 | 8/27/2018 6:18:00 PM |
| 1,4-Dioxane | < 1.1 | 1.1 | | ug/m3 | 1 | 8/27/2018 6:18:00 PM |
| 2,2,4-trimethylpentane | < 0.70 | 0.70 | | ug/m3 | 1 | 8/27/2018 6:18:00 PM |
| 4-ethyltoluene | < 0.74 | 0.74 | | ug/m3 | 1 | 8/27/2018 6:18:00 PM |
| Acetone | 20 | 7.1 | | ug/m3 | 10 | 8/28/2018 3:13:00 PM |
| Allyl chloride | < 0.47 | 0.47 | | ug/m3 | 1 | 8/27/2018 6:18:00 PM |
| Benzene | 0.54 | 0.48 | | ug/m3 | 1 | 8/27/2018 6:18:00 PM |
| Benzyl chloride | < 0.86 | 0.86 | | ug/m3 | 1 | 8/27/2018 6:18:00 PM |
| Bromodichloromethane | < 1.0 | 1.0 | | ug/m3 | 1 | 8/27/2018 6:18:00 PM |
| Bromoform | < 1.6 | 1.6 | | ug/m3 | 1 | 8/27/2018 6:18:00 PM |
| Bromomethane | < 0.58 | 0.58 | | ug/m3 | 1 | 8/27/2018 6:18:00 PM |
| Carbon disulfide | < 0.47 | 0.47 | | ug/m3 | 1 | 8/27/2018 6:18:00 PM |
| Carbon tetrachloride | < 0.19 | 0.19 | | ug/m3 | 1 | 8/27/2018 6:18:00 PM |
| Chlorobenzene | < 0.69 | 0.69 | | ug/m3 | 1 | 8/27/2018 6:18:00 PM |
| Chloroethane | < 0.40 | 0.40 | | ug/m3 | 1 | 8/27/2018 6:18:00 PM |
| Chloroform | < 0.73 | 0.73 | | ug/m3 | 1 | 8/27/2018 6:18:00 PM |
| Chloromethane | 0.66 | 0.31 | | ug/m3 | 1 | 8/27/2018 6:18:00 PM |
| cis-1,2-Dichloroethene | < 0.16 | 0.16 | | ug/m3 | 1 | 8/27/2018 6:18:00 PM |
| cis-1,3-Dichloropropene | < 0.68 | 0.68 | | ug/m3 | 1 | 8/27/2018 6:18:00 PM |
| Cyclohexane | < 0.52 | 0.52 | | ug/m3 | 1 | 8/27/2018 6:18:00 PM |
| Dibromochloromethane | < 1.3 | 1.3 | | ug/m3 | 1 | 8/27/2018 6:18:00 PM |
| Ethyl acetate | < 0.54 | 0.54 | | ug/m3 | 1 | 8/27/2018 6:18:00 PM |
| Ethylbenzene | < 0.65 | 0.65 | | ug/m3 | 1 | 8/27/2018 6:18:00 PM |
| Freon 11 | 1.1 | 0.84 | | ug/m3 | 1 | 8/27/2018 6:18:00 PM |
| Freon 113 | < 1.1 | 1.1 | | ug/m3 | 1 | 8/27/2018 6:18:00 PM |
| Freon 114 | < 1.0 | 1.0 | | ug/m3 | 1 | 8/27/2018 6:18:00 PM |

| | | | | |
|--------------------|----|--|----|---|
| Qualifiers: | ** | Quantitation Limit | . | Results reported are not blank corrected |
| | B | Analyte detected in the associated Method Blank | E | Estimated Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limit |
| | JN | Non-routine analyte. Quantitation estimated. | ND | Not Detected at the Limit of Detection |
| | S | Spike Recovery outside accepted recovery limits | | |

Centek Laboratories, LLC

Date: 31-Aug-18

CLIENT: BE3/Panamerican
Lab Order: C1808061
Project: 31 Tonawanda St
Lab ID: C1808061-001A

Client Sample ID: OA-01
Tag Number: 98,342
Collection Date: 8/21/2018
Matrix: AIR

| Analyses | Result | **Limit | Qual | Units | DF | Date Analyzed |
|--|--------|--------------|------|---------------------|----|----------------------|
| 1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE | | TO-15 | | Analyst: RJP | | |
| Freon 12 | 1.9 | 0.74 | | ug/m3 | 1 | 8/27/2018 6:18:00 PM |
| Heptane | 0.57 | 0.61 | J | ug/m3 | 1 | 8/27/2018 6:18:00 PM |
| Hexachloro-1,3-butadiene | < 1.6 | 1.6 | | ug/m3 | 1 | 8/27/2018 6:18:00 PM |
| Hexane | 0.70 | 0.53 | | ug/m3 | 1 | 8/27/2018 6:18:00 PM |
| Isopropyl alcohol | 6.6 | 3.7 | | ug/m3 | 10 | 8/28/2018 3:13:00 PM |
| m&p-Xylene | 0.61 | 1.3 | J | ug/m3 | 1 | 8/27/2018 6:18:00 PM |
| Methyl Butyl Ketone | < 1.2 | 1.2 | | ug/m3 | 1 | 8/27/2018 6:18:00 PM |
| Methyl Ethyl Ketone | 1.1 | 0.88 | | ug/m3 | 1 | 8/27/2018 6:18:00 PM |
| Methyl Isobutyl Ketone | < 1.2 | 1.2 | | ug/m3 | 1 | 8/27/2018 6:18:00 PM |
| Methyl tert-butyl ether | < 0.54 | 0.54 | | ug/m3 | 1 | 8/27/2018 6:18:00 PM |
| Methylene chloride | < 0.52 | 0.52 | | ug/m3 | 1 | 8/27/2018 6:18:00 PM |
| o-Xylene | < 0.65 | 0.65 | | ug/m3 | 1 | 8/27/2018 6:18:00 PM |
| Propylene | < 0.26 | 0.26 | | ug/m3 | 1 | 8/27/2018 6:18:00 PM |
| Styrene | < 0.64 | 0.64 | | ug/m3 | 1 | 8/27/2018 6:18:00 PM |
| Tetrachloroethylene | < 1.0 | 1.0 | | ug/m3 | 1 | 8/27/2018 6:18:00 PM |
| Tetrahydrofuran | < 0.44 | 0.44 | | ug/m3 | 1 | 8/27/2018 6:18:00 PM |
| Toluene | 3.2 | 0.57 | | ug/m3 | 1 | 8/27/2018 6:18:00 PM |
| trans-1,2-Dichloroethene | < 0.59 | 0.59 | | ug/m3 | 1 | 8/27/2018 6:18:00 PM |
| trans-1,3-Dichloropropene | < 0.68 | 0.68 | | ug/m3 | 1 | 8/27/2018 6:18:00 PM |
| Trichloroethene | 1.3 | 0.16 | | ug/m3 | 1 | 8/27/2018 6:18:00 PM |
| Vinyl acetate | < 0.53 | 0.53 | | ug/m3 | 1 | 8/27/2018 6:18:00 PM |
| Vinyl Bromide | < 0.66 | 0.66 | | ug/m3 | 1 | 8/27/2018 6:18:00 PM |
| Vinyl chloride | < 0.10 | 0.10 | | ug/m3 | 1 | 8/27/2018 6:18:00 PM |

| | | | | |
|--------------------|----|--|----|---|
| Qualifiers: | ** | Quantitation Limit | . | Results reported are not blank corrected |
| | B | Analyte detected in the associated Method Blank | E | Estimated Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limit |
| | JN | Non-routine analyte. Quantitation estimated. | ND | Not Detected at the Limit of Detection |
| | S | Spike Recovery outside accepted recovery limits | | |

Centek Laboratories, LLC

Date: 31-Aug-18

CLIENT: BE3/Panamerican
Lab Order: C1808061
Project: 31 Tonawanda St
Lab ID: C1808061-002A

Client Sample ID: IA-01
Tag Number: 553,339
Collection Date: 8/21/2018
Matrix: AIR

| Analyses | Result | **Limit | Qual | Units | DF | Date Analyzed |
|--|--------|--------------|------|---------------------|----|----------------------|
| 1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE | | TO-15 | | Analyst: RJP | | |
| 1,1,1-Trichloroethane | 28 | 8.2 | | ug/m3 | 10 | 8/28/2018 3:50:00 PM |
| 1,1,2,2-Tetrachloroethane | < 1.0 | 1.0 | | ug/m3 | 1 | 8/27/2018 6:58:00 PM |
| 1,1,2-Trichloroethane | < 0.82 | 0.82 | | ug/m3 | 1 | 8/27/2018 6:58:00 PM |
| 1,1-Dichloroethane | < 0.61 | 0.61 | | ug/m3 | 1 | 8/27/2018 6:58:00 PM |
| 1,1-Dichloroethene | < 0.16 | 0.16 | | ug/m3 | 1 | 8/27/2018 6:58:00 PM |
| 1,2,4-Trichlorobenzene | < 1.1 | 1.1 | | ug/m3 | 1 | 8/27/2018 6:58:00 PM |
| 1,2,4-Trimethylbenzene | 1.4 | 0.74 | | ug/m3 | 1 | 8/27/2018 6:58:00 PM |
| 1,2-Dibromoethane | < 1.2 | 1.2 | | ug/m3 | 1 | 8/27/2018 6:58:00 PM |
| 1,2-Dichlorobenzene | < 0.90 | 0.90 | | ug/m3 | 1 | 8/27/2018 6:58:00 PM |
| 1,2-Dichloroethane | < 0.61 | 0.61 | | ug/m3 | 1 | 8/27/2018 6:58:00 PM |
| 1,2-Dichloropropane | < 0.69 | 0.69 | | ug/m3 | 1 | 8/27/2018 6:58:00 PM |
| 1,3,5-Trimethylbenzene | < 0.74 | 0.74 | | ug/m3 | 1 | 8/27/2018 6:58:00 PM |
| 1,3-butadiene | < 0.33 | 0.33 | | ug/m3 | 1 | 8/27/2018 6:58:00 PM |
| 1,3-Dichlorobenzene | < 0.90 | 0.90 | | ug/m3 | 1 | 8/27/2018 6:58:00 PM |
| 1,4-Dichlorobenzene | < 0.90 | 0.90 | | ug/m3 | 1 | 8/27/2018 6:58:00 PM |
| 1,4-Dioxane | < 1.1 | 1.1 | | ug/m3 | 1 | 8/27/2018 6:58:00 PM |
| 2,2,4-trimethylpentane | 0.61 | 0.70 | J | ug/m3 | 1 | 8/27/2018 6:58:00 PM |
| 4-ethyltoluene | < 0.74 | 0.74 | | ug/m3 | 1 | 8/27/2018 6:58:00 PM |
| Acetone | 19 | 7.1 | | ug/m3 | 10 | 8/28/2018 3:50:00 PM |
| Allyl chloride | < 0.47 | 0.47 | | ug/m3 | 1 | 8/27/2018 6:58:00 PM |
| Benzene | 1.6 | 0.48 | | ug/m3 | 1 | 8/27/2018 6:58:00 PM |
| Benzyl chloride | < 0.86 | 0.86 | | ug/m3 | 1 | 8/27/2018 6:58:00 PM |
| Bromodichloromethane | < 1.0 | 1.0 | | ug/m3 | 1 | 8/27/2018 6:58:00 PM |
| Bromoform | < 1.6 | 1.6 | | ug/m3 | 1 | 8/27/2018 6:58:00 PM |
| Bromomethane | < 0.58 | 0.58 | | ug/m3 | 1 | 8/27/2018 6:58:00 PM |
| Carbon disulfide | < 0.47 | 0.47 | | ug/m3 | 1 | 8/27/2018 6:58:00 PM |
| Carbon tetrachloride | < 0.19 | 0.19 | | ug/m3 | 1 | 8/27/2018 6:58:00 PM |
| Chlorobenzene | < 0.69 | 0.69 | | ug/m3 | 1 | 8/27/2018 6:58:00 PM |
| Chloroethane | < 0.40 | 0.40 | | ug/m3 | 1 | 8/27/2018 6:58:00 PM |
| Chloroform | < 0.73 | 0.73 | | ug/m3 | 1 | 8/27/2018 6:58:00 PM |
| Chloromethane | 0.89 | 0.31 | | ug/m3 | 1 | 8/27/2018 6:58:00 PM |
| cis-1,2-Dichloroethene | < 0.16 | 0.16 | | ug/m3 | 1 | 8/27/2018 6:58:00 PM |
| cis-1,3-Dichloropropene | < 0.68 | 0.68 | | ug/m3 | 1 | 8/27/2018 6:58:00 PM |
| Cyclohexane | 0.62 | 0.52 | | ug/m3 | 1 | 8/27/2018 6:58:00 PM |
| Dibromochloromethane | < 1.3 | 1.3 | | ug/m3 | 1 | 8/27/2018 6:58:00 PM |
| Ethyl acetate | 0.43 | 0.54 | J | ug/m3 | 1 | 8/27/2018 6:58:00 PM |
| Ethylbenzene | 0.91 | 0.65 | | ug/m3 | 1 | 8/27/2018 6:58:00 PM |
| Freon 11 | 9.6 | 0.84 | | ug/m3 | 1 | 8/27/2018 6:58:00 PM |
| Freon 113 | < 1.1 | 1.1 | | ug/m3 | 1 | 8/27/2018 6:58:00 PM |
| Freon 114 | < 1.0 | 1.0 | | ug/m3 | 1 | 8/27/2018 6:58:00 PM |

| | | | | |
|--------------------|----|--|----|---|
| Qualifiers: | ** | Quantitation Limit | . | Results reported are not blank corrected |
| | B | Analyte detected in the associated Method Blank | E | Estimated Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limit |
| | JN | Non-routine analyte. Quantitation estimated. | ND | Not Detected at the Limit of Detection |
| | S | Spike Recovery outside accepted recovery limits | | |

Centek Laboratories, LLC

Date: 31-Aug-18

CLIENT: BE3/Panamerican
Lab Order: C1808061
Project: 31 Tonawanda St
Lab ID: C1808061-002A

Client Sample ID: IA-01
Tag Number: 553,339
Collection Date: 8/21/2018
Matrix: AIR

| Analyses | Result | **Limit | Qual | Units | DF | Date Analyzed |
|--|--------|--------------|------|---------------------|----|----------------------|
| 1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE | | TO-15 | | Analyst: RJP | | |
| Freon 12 | 1.9 | 0.74 | | ug/m3 | 1 | 8/27/2018 6:58:00 PM |
| Heptane | 1.3 | 0.61 | | ug/m3 | 1 | 8/27/2018 6:58:00 PM |
| Hexachloro-1,3-butadiene | < 1.6 | 1.6 | | ug/m3 | 1 | 8/27/2018 6:58:00 PM |
| Hexane | 5.0 | 0.53 | | ug/m3 | 1 | 8/27/2018 6:58:00 PM |
| Isopropyl alcohol | 19 | 3.7 | | ug/m3 | 10 | 8/28/2018 3:50:00 PM |
| m&p-Xylene | 3.0 | 1.3 | | ug/m3 | 1 | 8/27/2018 6:58:00 PM |
| Methyl Butyl Ketone | < 1.2 | 1.2 | | ug/m3 | 1 | 8/27/2018 6:58:00 PM |
| Methyl Ethyl Ketone | 2.4 | 0.88 | | ug/m3 | 1 | 8/27/2018 6:58:00 PM |
| Methyl Isobutyl Ketone | 0.45 | 1.2 | J | ug/m3 | 1 | 8/27/2018 6:58:00 PM |
| Methyl tert-butyl ether | < 0.54 | 0.54 | | ug/m3 | 1 | 8/27/2018 6:58:00 PM |
| Methylene chloride | < 0.52 | 0.52 | | ug/m3 | 1 | 8/27/2018 6:58:00 PM |
| o-Xylene | 1.3 | 0.65 | | ug/m3 | 1 | 8/27/2018 6:58:00 PM |
| Propylene | < 0.26 | 0.26 | | ug/m3 | 1 | 8/27/2018 6:58:00 PM |
| Styrene | < 0.64 | 0.64 | | ug/m3 | 1 | 8/27/2018 6:58:00 PM |
| Tetrachloroethylene | < 1.0 | 1.0 | | ug/m3 | 1 | 8/27/2018 6:58:00 PM |
| Tetrahydrofuran | < 0.44 | 0.44 | | ug/m3 | 1 | 8/27/2018 6:58:00 PM |
| Toluene | 57 | 5.7 | | ug/m3 | 10 | 8/28/2018 3:50:00 PM |
| trans-1,2-Dichloroethene | < 0.59 | 0.59 | | ug/m3 | 1 | 8/27/2018 6:58:00 PM |
| trans-1,3-Dichloropropene | < 0.68 | 0.68 | | ug/m3 | 1 | 8/27/2018 6:58:00 PM |
| Trichloroethene | 49 | 1.6 | | ug/m3 | 10 | 8/28/2018 3:50:00 PM |
| Vinyl acetate | < 0.53 | 0.53 | | ug/m3 | 1 | 8/27/2018 6:58:00 PM |
| Vinyl Bromide | < 0.66 | 0.66 | | ug/m3 | 1 | 8/27/2018 6:58:00 PM |
| Vinyl chloride | < 0.10 | 0.10 | | ug/m3 | 1 | 8/27/2018 6:58:00 PM |

| | | | | |
|--------------------|----|--|----|---|
| Qualifiers: | ** | Quantitation Limit | . | Results reported are not blank corrected |
| | B | Analyte detected in the associated Method Blank | E | Estimated Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limit |
| | JN | Non-routine analyte. Quantitation estimated. | ND | Not Detected at the Limit of Detection |
| | S | Spike Recovery outside accepted recovery limits | | |

Centek Laboratories, LLC

Date: 31-Aug-18

CLIENT: BE3/Panamerican
Lab Order: C1808061
Project: 31 Tonawanda St
Lab ID: C1808061-003A

Client Sample ID: SS-04
Tag Number: 226,340
Collection Date: 8/21/2018
Matrix: AIR

| Analyses | Result | **Limit | Qual | Units | DF | Date Analyzed |
|------------------------------|--------|---------|--------------|-------|----|-----------------------|
| 1UG/M3 BY METHOD TO15 | | | TO-15 | | | Analyst: RJP |
| 1,1,1-Trichloroethane | 59 | 8.2 | | ug/m3 | 10 | 8/28/2018 8:11:00 PM |
| 1,1,2,2-Tetrachloroethane | < 1.0 | 1.0 | | ug/m3 | 1 | 8/27/2018 10:59:00 PM |
| 1,1,2-Trichloroethane | < 0.82 | 0.82 | | ug/m3 | 1 | 8/27/2018 10:59:00 PM |
| 1,1-Dichloroethane | 41 | 6.1 | | ug/m3 | 10 | 8/28/2018 8:11:00 PM |
| 1,1-Dichloroethene | 8.2 | 0.59 | | ug/m3 | 1 | 8/27/2018 10:59:00 PM |
| 1,2,4-Trichlorobenzene | < 1.1 | 1.1 | | ug/m3 | 1 | 8/27/2018 10:59:00 PM |
| 1,2,4-Trimethylbenzene | 5.5 | 0.74 | | ug/m3 | 1 | 8/27/2018 10:59:00 PM |
| 1,2-Dibromoethane | < 1.2 | 1.2 | | ug/m3 | 1 | 8/27/2018 10:59:00 PM |
| 1,2-Dichlorobenzene | < 0.90 | 0.90 | | ug/m3 | 1 | 8/27/2018 10:59:00 PM |
| 1,2-Dichloroethane | < 0.61 | 0.61 | | ug/m3 | 1 | 8/27/2018 10:59:00 PM |
| 1,2-Dichloropropane | < 0.69 | 0.69 | | ug/m3 | 1 | 8/27/2018 10:59:00 PM |
| 1,3,5-Trimethylbenzene | 2.7 | 0.74 | | ug/m3 | 1 | 8/27/2018 10:59:00 PM |
| 1,3-butadiene | < 0.33 | 0.33 | | ug/m3 | 1 | 8/27/2018 10:59:00 PM |
| 1,3-Dichlorobenzene | < 0.90 | 0.90 | | ug/m3 | 1 | 8/27/2018 10:59:00 PM |
| 1,4-Dichlorobenzene | < 0.90 | 0.90 | | ug/m3 | 1 | 8/27/2018 10:59:00 PM |
| 1,4-Dioxane | < 1.1 | 1.1 | | ug/m3 | 1 | 8/27/2018 10:59:00 PM |
| 2,2,4-trimethylpentane | 0.51 | 0.70 | J | ug/m3 | 1 | 8/27/2018 10:59:00 PM |
| 4-ethyltoluene | 1.4 | 0.74 | | ug/m3 | 1 | 8/27/2018 10:59:00 PM |
| Acetone | 170 | 28 | | ug/m3 | 40 | 8/28/2018 8:47:00 PM |
| Allyl chloride | < 0.47 | 0.47 | | ug/m3 | 1 | 8/27/2018 10:59:00 PM |
| Benzene | 4.6 | 0.48 | | ug/m3 | 1 | 8/27/2018 10:59:00 PM |
| Benzyl chloride | < 0.86 | 0.86 | | ug/m3 | 1 | 8/27/2018 10:59:00 PM |
| Bromodichloromethane | < 1.0 | 1.0 | | ug/m3 | 1 | 8/27/2018 10:59:00 PM |
| Bromoform | < 1.6 | 1.6 | | ug/m3 | 1 | 8/27/2018 10:59:00 PM |
| Bromomethane | < 0.58 | 0.58 | | ug/m3 | 1 | 8/27/2018 10:59:00 PM |
| Carbon disulfide | 27 | 4.7 | | ug/m3 | 10 | 8/28/2018 8:11:00 PM |
| Carbon tetrachloride | < 0.94 | 0.94 | | ug/m3 | 1 | 8/27/2018 10:59:00 PM |
| Chlorobenzene | < 0.69 | 0.69 | | ug/m3 | 1 | 8/27/2018 10:59:00 PM |
| Chloroethane | 7.7 | 4.0 | | ug/m3 | 10 | 8/28/2018 8:11:00 PM |
| Chloroform | 2.4 | 0.73 | | ug/m3 | 1 | 8/27/2018 10:59:00 PM |
| Chloromethane | 1.7 | 0.31 | | ug/m3 | 1 | 8/27/2018 10:59:00 PM |
| cis-1,2-Dichloroethene | 0.75 | 0.59 | | ug/m3 | 1 | 8/27/2018 10:59:00 PM |
| cis-1,3-Dichloropropene | < 0.68 | 0.68 | | ug/m3 | 1 | 8/27/2018 10:59:00 PM |
| Cyclohexane | 68 | 5.2 | | ug/m3 | 10 | 8/28/2018 8:11:00 PM |
| Dibromochloromethane | < 1.3 | 1.3 | | ug/m3 | 1 | 8/27/2018 10:59:00 PM |
| Ethyl acetate | 3.9 | 0.54 | | ug/m3 | 1 | 8/27/2018 10:59:00 PM |
| Ethylbenzene | 1.1 | 0.65 | | ug/m3 | 1 | 8/27/2018 10:59:00 PM |
| Freon 11 | 2.0 | 0.84 | | ug/m3 | 1 | 8/27/2018 10:59:00 PM |
| Freon 113 | < 1.1 | 1.1 | | ug/m3 | 1 | 8/27/2018 10:59:00 PM |
| Freon 114 | < 1.0 | 1.0 | | ug/m3 | 1 | 8/27/2018 10:59:00 PM |

| | | | | |
|--------------------|----|--|----|---|
| Qualifiers: | ** | Quantitation Limit | . | Results reported are not blank corrected |
| | B | Analyte detected in the associated Method Blank | E | Estimated Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limit |
| | JN | Non-routine analyte. Quantitation estimated. | ND | Not Detected at the Limit of Detection |
| | S | Spike Recovery outside accepted recovery limits | | |

Centek Laboratories, LLC**Date:** 31-Aug-18**CLIENT:** BE3/Panamerican
Lab Order: C1808061
Project: 31 Tonawanda St
Lab ID: C1808061-003A**Client Sample ID:** SS-04
Tag Number: 226,340
Collection Date: 8/21/2018
Matrix: AIR

| Analyses | Result | **Limit | Qual | Units | DF | Date Analyzed |
|------------------------------|--------|--------------|------|---------------------|----|-----------------------|
| 1UG/M3 BY METHOD TO15 | | TO-15 | | Analyst: RJP | | |
| Freon 12 | < 0.74 | 0.74 | | ug/m3 | 1 | 8/27/2018 10:59:00 PM |
| Heptane | 23 | 6.1 | | ug/m3 | 10 | 8/28/2018 8:11:00 PM |
| Hexachloro-1,3-butadiene | < 1.6 | 1.6 | | ug/m3 | 1 | 8/27/2018 10:59:00 PM |
| Hexane | 41 | 5.3 | | ug/m3 | 10 | 8/28/2018 8:11:00 PM |
| Isopropyl alcohol | 19 | 3.7 | | ug/m3 | 10 | 8/28/2018 8:11:00 PM |
| m&p-Xylene | 2.7 | 1.3 | | ug/m3 | 1 | 8/27/2018 10:59:00 PM |
| Methyl Butyl Ketone | < 1.2 | 1.2 | | ug/m3 | 1 | 8/27/2018 10:59:00 PM |
| Methyl Ethyl Ketone | 10 | 8.8 | | ug/m3 | 10 | 8/28/2018 8:11:00 PM |
| Methyl Isobutyl Ketone | < 1.2 | 1.2 | | ug/m3 | 1 | 8/27/2018 10:59:00 PM |
| Methyl tert-butyl ether | 5.4 | 0.54 | | ug/m3 | 1 | 8/27/2018 10:59:00 PM |
| Methylene chloride | 3.4 | 0.52 | | ug/m3 | 1 | 8/27/2018 10:59:00 PM |
| o-Xylene | 1.1 | 0.65 | | ug/m3 | 1 | 8/27/2018 10:59:00 PM |
| Propylene | < 0.26 | 0.26 | | ug/m3 | 1 | 8/27/2018 10:59:00 PM |
| Styrene | 0.94 | 0.64 | | ug/m3 | 1 | 8/27/2018 10:59:00 PM |
| Tetrachloroethylene | 3.9 | 1.0 | | ug/m3 | 1 | 8/27/2018 10:59:00 PM |
| Tetrahydrofuran | < 0.44 | 0.44 | | ug/m3 | 1 | 8/27/2018 10:59:00 PM |
| Toluene | 59 | 5.7 | | ug/m3 | 10 | 8/28/2018 8:11:00 PM |
| trans-1,2-Dichloroethene | < 0.59 | 0.59 | | ug/m3 | 1 | 8/27/2018 10:59:00 PM |
| trans-1,3-Dichloropropene | < 0.68 | 0.68 | | ug/m3 | 1 | 8/27/2018 10:59:00 PM |
| Trichloroethene | 81 | 8.1 | | ug/m3 | 10 | 8/28/2018 8:11:00 PM |
| Vinyl acetate | 3.3 | 0.53 | | ug/m3 | 1 | 8/27/2018 10:59:00 PM |
| Vinyl Bromide | < 0.66 | 0.66 | | ug/m3 | 1 | 8/27/2018 10:59:00 PM |
| Vinyl chloride | < 0.38 | 0.38 | | ug/m3 | 1 | 8/27/2018 10:59:00 PM |

| | | | | |
|--------------------|----|--|----|---|
| Qualifiers: | ** | Quantitation Limit | . | Results reported are not blank corrected |
| | B | Analyte detected in the associated Method Blank | E | Estimated Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limit |
| | JN | Non-routine analyte. Quantitation estimated. | ND | Not Detected at the Limit of Detection |
| | S | Spike Recovery outside accepted recovery limits | | |

Centek Laboratories, LLC

Date: 31-Aug-18

CLIENT: BE3/Panamerican
Lab Order: C1808061
Project: 31 Tonawanda St
Lab ID: C1808061-004A

Client Sample ID: IA-03
Tag Number: 316,1172
Collection Date: 8/21/2018
Matrix: AIR

| Analyses | Result | **Limit | Qual | Units | DF | Date Analyzed |
|--|--------|--------------|------|---------------------|----|----------------------|
| 1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE | | TO-15 | | Analyst: RJP | | |
| 1,1,1-Trichloroethane | 5.0 | 0.82 | | ug/m3 | 1 | 8/27/2018 7:38:00 PM |
| 1,1,2,2-Tetrachloroethane | < 1.0 | 1.0 | | ug/m3 | 1 | 8/27/2018 7:38:00 PM |
| 1,1,2-Trichloroethane | < 0.82 | 0.82 | | ug/m3 | 1 | 8/27/2018 7:38:00 PM |
| 1,1-Dichloroethane | < 0.61 | 0.61 | | ug/m3 | 1 | 8/27/2018 7:38:00 PM |
| 1,1-Dichloroethene | < 0.16 | 0.16 | | ug/m3 | 1 | 8/27/2018 7:38:00 PM |
| 1,2,4-Trichlorobenzene | < 1.1 | 1.1 | | ug/m3 | 1 | 8/27/2018 7:38:00 PM |
| 1,2,4-Trimethylbenzene | 1.9 | 0.74 | | ug/m3 | 1 | 8/27/2018 7:38:00 PM |
| 1,2-Dibromoethane | < 1.2 | 1.2 | | ug/m3 | 1 | 8/27/2018 7:38:00 PM |
| 1,2-Dichlorobenzene | < 0.90 | 0.90 | | ug/m3 | 1 | 8/27/2018 7:38:00 PM |
| 1,2-Dichloroethane | < 0.61 | 0.61 | | ug/m3 | 1 | 8/27/2018 7:38:00 PM |
| 1,2-Dichloropropane | < 0.69 | 0.69 | | ug/m3 | 1 | 8/27/2018 7:38:00 PM |
| 1,3,5-Trimethylbenzene | 0.59 | 0.74 | J | ug/m3 | 1 | 8/27/2018 7:38:00 PM |
| 1,3-butadiene | < 0.33 | 0.33 | | ug/m3 | 1 | 8/27/2018 7:38:00 PM |
| 1,3-Dichlorobenzene | < 0.90 | 0.90 | | ug/m3 | 1 | 8/27/2018 7:38:00 PM |
| 1,4-Dichlorobenzene | < 0.90 | 0.90 | | ug/m3 | 1 | 8/27/2018 7:38:00 PM |
| 1,4-Dioxane | < 1.1 | 1.1 | | ug/m3 | 1 | 8/27/2018 7:38:00 PM |
| 2,2,4-trimethylpentane | 1.7 | 0.70 | | ug/m3 | 1 | 8/27/2018 7:38:00 PM |
| 4-ethyltoluene | < 0.74 | 0.74 | | ug/m3 | 1 | 8/27/2018 7:38:00 PM |
| Acetone | 12 | 7.1 | | ug/m3 | 10 | 8/28/2018 4:27:00 PM |
| Allyl chloride | < 0.47 | 0.47 | | ug/m3 | 1 | 8/27/2018 7:38:00 PM |
| Benzene | 1.7 | 0.48 | | ug/m3 | 1 | 8/27/2018 7:38:00 PM |
| Benzyl chloride | < 0.86 | 0.86 | | ug/m3 | 1 | 8/27/2018 7:38:00 PM |
| Bromodichloromethane | < 1.0 | 1.0 | | ug/m3 | 1 | 8/27/2018 7:38:00 PM |
| Bromoform | < 1.6 | 1.6 | | ug/m3 | 1 | 8/27/2018 7:38:00 PM |
| Bromomethane | < 0.58 | 0.58 | | ug/m3 | 1 | 8/27/2018 7:38:00 PM |
| Carbon disulfide | < 0.47 | 0.47 | | ug/m3 | 1 | 8/27/2018 7:38:00 PM |
| Carbon tetrachloride | < 0.19 | 0.19 | | ug/m3 | 1 | 8/27/2018 7:38:00 PM |
| Chlorobenzene | < 0.69 | 0.69 | | ug/m3 | 1 | 8/27/2018 7:38:00 PM |
| Chloroethane | < 0.40 | 0.40 | | ug/m3 | 1 | 8/27/2018 7:38:00 PM |
| Chloroform | < 0.73 | 0.73 | | ug/m3 | 1 | 8/27/2018 7:38:00 PM |
| Chloromethane | 0.68 | 0.31 | | ug/m3 | 1 | 8/27/2018 7:38:00 PM |
| cis-1,2-Dichloroethene | < 0.16 | 0.16 | | ug/m3 | 1 | 8/27/2018 7:38:00 PM |
| cis-1,3-Dichloropropene | < 0.68 | 0.68 | | ug/m3 | 1 | 8/27/2018 7:38:00 PM |
| Cyclohexane | 0.45 | 0.52 | J | ug/m3 | 1 | 8/27/2018 7:38:00 PM |
| Dibromochloromethane | < 1.3 | 1.3 | | ug/m3 | 1 | 8/27/2018 7:38:00 PM |
| Ethyl acetate | < 0.54 | 0.54 | | ug/m3 | 1 | 8/27/2018 7:38:00 PM |
| Ethylbenzene | 1.7 | 0.65 | | ug/m3 | 1 | 8/27/2018 7:38:00 PM |
| Freon 11 | 2.3 | 0.84 | | ug/m3 | 1 | 8/27/2018 7:38:00 PM |
| Freon 113 | < 1.1 | 1.1 | | ug/m3 | 1 | 8/27/2018 7:38:00 PM |
| Freon 114 | < 1.0 | 1.0 | | ug/m3 | 1 | 8/27/2018 7:38:00 PM |

| | | | | |
|--------------------|----|--|----|---|
| Qualifiers: | ** | Quantitation Limit | . | Results reported are not blank corrected |
| | B | Analyte detected in the associated Method Blank | E | Estimated Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limit |
| | JN | Non-routine analyte. Quantitation estimated. | ND | Not Detected at the Limit of Detection |
| | S | Spike Recovery outside accepted recovery limits | | |

Centek Laboratories, LLC

Date: 31-Aug-18

CLIENT: BE3/Panamerican
Lab Order: C1808061
Project: 31 Tonawanda St
Lab ID: C1808061-004A

Client Sample ID: IA-03
Tag Number: 316,1172
Collection Date: 8/21/2018
Matrix: AIR

| Analyses | Result | **Limit | Qual | Units | DF | Date Analyzed |
|--|--------|--------------|------|---------------------|----|----------------------|
| 1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE | | TO-15 | | Analyst: RJP | | |
| Freon 12 | 2.3 | 0.74 | | ug/m3 | 1 | 8/27/2018 7:38:00 PM |
| Heptane | 1.8 | 0.61 | | ug/m3 | 1 | 8/27/2018 7:38:00 PM |
| Hexachloro-1,3-butadiene | < 1.6 | 1.6 | | ug/m3 | 1 | 8/27/2018 7:38:00 PM |
| Hexane | 3.7 | 0.53 | | ug/m3 | 1 | 8/27/2018 7:38:00 PM |
| Isopropyl alcohol | 2.7 | 0.37 | | ug/m3 | 1 | 8/27/2018 7:38:00 PM |
| m&p-Xylene | 6.5 | 1.3 | | ug/m3 | 1 | 8/27/2018 7:38:00 PM |
| Methyl Butyl Ketone | < 1.2 | 1.2 | | ug/m3 | 1 | 8/27/2018 7:38:00 PM |
| Methyl Ethyl Ketone | 1.9 | 0.88 | | ug/m3 | 1 | 8/27/2018 7:38:00 PM |
| Methyl Isobutyl Ketone | < 1.2 | 1.2 | | ug/m3 | 1 | 8/27/2018 7:38:00 PM |
| Methyl tert-butyl ether | < 0.54 | 0.54 | | ug/m3 | 1 | 8/27/2018 7:38:00 PM |
| Methylene chloride | < 0.52 | 0.52 | | ug/m3 | 1 | 8/27/2018 7:38:00 PM |
| o-Xylene | 2.0 | 0.65 | | ug/m3 | 1 | 8/27/2018 7:38:00 PM |
| Propylene | < 0.26 | 0.26 | | ug/m3 | 1 | 8/27/2018 7:38:00 PM |
| Styrene | < 0.64 | 0.64 | | ug/m3 | 1 | 8/27/2018 7:38:00 PM |
| Tetrachloroethylene | < 1.0 | 1.0 | | ug/m3 | 1 | 8/27/2018 7:38:00 PM |
| Tetrahydrofuran | < 0.44 | 0.44 | | ug/m3 | 1 | 8/27/2018 7:38:00 PM |
| Toluene | 15 | 5.7 | | ug/m3 | 10 | 8/28/2018 4:27:00 PM |
| trans-1,2-Dichloroethene | < 0.59 | 0.59 | | ug/m3 | 1 | 8/27/2018 7:38:00 PM |
| trans-1,3-Dichloropropene | < 0.68 | 0.68 | | ug/m3 | 1 | 8/27/2018 7:38:00 PM |
| Trichloroethene | 4.4 | 0.16 | | ug/m3 | 1 | 8/27/2018 7:38:00 PM |
| Vinyl acetate | < 0.53 | 0.53 | | ug/m3 | 1 | 8/27/2018 7:38:00 PM |
| Vinyl Bromide | < 0.66 | 0.66 | | ug/m3 | 1 | 8/27/2018 7:38:00 PM |
| Vinyl chloride | < 0.10 | 0.10 | | ug/m3 | 1 | 8/27/2018 7:38:00 PM |

| | | | | |
|--------------------|----|--|----|---|
| Qualifiers: | ** | Quantitation Limit | . | Results reported are not blank corrected |
| | B | Analyte detected in the associated Method Blank | E | Estimated Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limit |
| | JN | Non-routine analyte. Quantitation estimated. | ND | Not Detected at the Limit of Detection |
| | S | Spike Recovery outside accepted recovery limits | | |

Centek Laboratories, LLC

Date: 31-Aug-18

CLIENT: BE3/Panamerican
Lab Order: C1808061
Project: 31 Tonawanda St
Lab ID: C1808061-005A

Client Sample ID: 2G180821-FD-2
Tag Number: 318,1172
Collection Date: 8/21/2018
Matrix: AIR

| Analyses | Result | **Limit | Qual | Units | DF | Date Analyzed |
|--|--------|--------------|------|---------------------|----|----------------------|
| 1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE | | TO-15 | | Analyst: RJP | | |
| 1,1,1-Trichloroethane | 4.9 | 0.82 | | ug/m3 | 1 | 8/27/2018 8:18:00 PM |
| 1,1,2,2-Tetrachloroethane | < 1.0 | 1.0 | | ug/m3 | 1 | 8/27/2018 8:18:00 PM |
| 1,1,2-Trichloroethane | < 0.82 | 0.82 | | ug/m3 | 1 | 8/27/2018 8:18:00 PM |
| 1,1-Dichloroethane | < 0.61 | 0.61 | | ug/m3 | 1 | 8/27/2018 8:18:00 PM |
| 1,1-Dichloroethene | < 0.16 | 0.16 | | ug/m3 | 1 | 8/27/2018 8:18:00 PM |
| 1,2,4-Trichlorobenzene | < 1.1 | 1.1 | | ug/m3 | 1 | 8/27/2018 8:18:00 PM |
| 1,2,4-Trimethylbenzene | 1.9 | 0.74 | | ug/m3 | 1 | 8/27/2018 8:18:00 PM |
| 1,2-Dibromoethane | < 1.2 | 1.2 | | ug/m3 | 1 | 8/27/2018 8:18:00 PM |
| 1,2-Dichlorobenzene | < 0.90 | 0.90 | | ug/m3 | 1 | 8/27/2018 8:18:00 PM |
| 1,2-Dichloroethane | < 0.61 | 0.61 | | ug/m3 | 1 | 8/27/2018 8:18:00 PM |
| 1,2-Dichloropropane | < 0.69 | 0.69 | | ug/m3 | 1 | 8/27/2018 8:18:00 PM |
| 1,3,5-Trimethylbenzene | 0.64 | 0.74 | J | ug/m3 | 1 | 8/27/2018 8:18:00 PM |
| 1,3-butadiene | < 0.33 | 0.33 | | ug/m3 | 1 | 8/27/2018 8:18:00 PM |
| 1,3-Dichlorobenzene | < 0.90 | 0.90 | | ug/m3 | 1 | 8/27/2018 8:18:00 PM |
| 1,4-Dichlorobenzene | < 0.90 | 0.90 | | ug/m3 | 1 | 8/27/2018 8:18:00 PM |
| 1,4-Dioxane | < 1.1 | 1.1 | | ug/m3 | 1 | 8/27/2018 8:18:00 PM |
| 2,2,4-trimethylpentane | 1.7 | 0.70 | | ug/m3 | 1 | 8/27/2018 8:18:00 PM |
| 4-ethyltoluene | < 0.74 | 0.74 | | ug/m3 | 1 | 8/27/2018 8:18:00 PM |
| Acetone | 16 | 7.1 | | ug/m3 | 10 | 8/28/2018 5:03:00 PM |
| Allyl chloride | < 0.47 | 0.47 | | ug/m3 | 1 | 8/27/2018 8:18:00 PM |
| Benzene | 1.7 | 0.48 | | ug/m3 | 1 | 8/27/2018 8:18:00 PM |
| Benzyl chloride | < 0.86 | 0.86 | | ug/m3 | 1 | 8/27/2018 8:18:00 PM |
| Bromodichloromethane | < 1.0 | 1.0 | | ug/m3 | 1 | 8/27/2018 8:18:00 PM |
| Bromoform | < 1.6 | 1.6 | | ug/m3 | 1 | 8/27/2018 8:18:00 PM |
| Bromomethane | < 0.58 | 0.58 | | ug/m3 | 1 | 8/27/2018 8:18:00 PM |
| Carbon disulfide | < 0.47 | 0.47 | | ug/m3 | 1 | 8/27/2018 8:18:00 PM |
| Carbon tetrachloride | < 0.19 | 0.19 | | ug/m3 | 1 | 8/27/2018 8:18:00 PM |
| Chlorobenzene | < 0.69 | 0.69 | | ug/m3 | 1 | 8/27/2018 8:18:00 PM |
| Chloroethane | < 0.40 | 0.40 | | ug/m3 | 1 | 8/27/2018 8:18:00 PM |
| Chloroform | < 0.73 | 0.73 | | ug/m3 | 1 | 8/27/2018 8:18:00 PM |
| Chloromethane | 0.68 | 0.31 | | ug/m3 | 1 | 8/27/2018 8:18:00 PM |
| cis-1,2-Dichloroethene | < 0.16 | 0.16 | | ug/m3 | 1 | 8/27/2018 8:18:00 PM |
| cis-1,3-Dichloropropene | < 0.68 | 0.68 | | ug/m3 | 1 | 8/27/2018 8:18:00 PM |
| Cyclohexane | 0.62 | 0.52 | | ug/m3 | 1 | 8/27/2018 8:18:00 PM |
| Dibromochloromethane | < 1.3 | 1.3 | | ug/m3 | 1 | 8/27/2018 8:18:00 PM |
| Ethyl acetate | < 0.54 | 0.54 | | ug/m3 | 1 | 8/27/2018 8:18:00 PM |
| Ethylbenzene | 1.7 | 0.65 | | ug/m3 | 1 | 8/27/2018 8:18:00 PM |
| Freon 11 | 2.4 | 0.84 | | ug/m3 | 1 | 8/27/2018 8:18:00 PM |
| Freon 113 | < 1.1 | 1.1 | | ug/m3 | 1 | 8/27/2018 8:18:00 PM |
| Freon 114 | < 1.0 | 1.0 | | ug/m3 | 1 | 8/27/2018 8:18:00 PM |

| | | | | |
|--------------------|----|--|----|---|
| Qualifiers: | ** | Quantitation Limit | . | Results reported are not blank corrected |
| | B | Analyte detected in the associated Method Blank | E | Estimated Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limit |
| | JN | Non-routine analyte. Quantitation estimated. | ND | Not Detected at the Limit of Detection |
| | S | Spike Recovery outside accepted recovery limits | | |

Centek Laboratories, LLC

Date: 31-Aug-18

CLIENT: BE3/Panamerican
Lab Order: C1808061
Project: 31 Tonawanda St
Lab ID: C1808061-005A

Client Sample ID: 2G180821-FD-2
Tag Number: 318,1172
Collection Date: 8/21/2018
Matrix: AIR

| Analyses | Result | **Limit | Qual | Units | DF | Date Analyzed |
|--|--------|--------------|------|---------------------|----|----------------------|
| 1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE | | TO-15 | | Analyst: RJP | | |
| Freon 12 | 2.3 | 0.74 | | ug/m3 | 1 | 8/27/2018 8:18:00 PM |
| Heptane | 2.0 | 0.61 | | ug/m3 | 1 | 8/27/2018 8:18:00 PM |
| Hexachloro-1,3-butadiene | < 1.6 | 1.6 | | ug/m3 | 1 | 8/27/2018 8:18:00 PM |
| Hexane | 3.8 | 0.53 | | ug/m3 | 1 | 8/27/2018 8:18:00 PM |
| Isopropyl alcohol | 11 | 3.7 | | ug/m3 | 10 | 8/28/2018 5:03:00 PM |
| m&p-Xylene | 6.7 | 1.3 | | ug/m3 | 1 | 8/27/2018 8:18:00 PM |
| Methyl Butyl Ketone | < 1.2 | 1.2 | | ug/m3 | 1 | 8/27/2018 8:18:00 PM |
| Methyl Ethyl Ketone | 3.2 | 0.88 | | ug/m3 | 1 | 8/27/2018 8:18:00 PM |
| Methyl Isobutyl Ketone | 0.45 | 1.2 | J | ug/m3 | 1 | 8/27/2018 8:18:00 PM |
| Methyl tert-butyl ether | < 0.54 | 0.54 | | ug/m3 | 1 | 8/27/2018 8:18:00 PM |
| Methylene chloride | 0.42 | 0.52 | J | ug/m3 | 1 | 8/27/2018 8:18:00 PM |
| o-Xylene | 2.1 | 0.65 | | ug/m3 | 1 | 8/27/2018 8:18:00 PM |
| Propylene | < 0.26 | 0.26 | | ug/m3 | 1 | 8/27/2018 8:18:00 PM |
| Styrene | < 0.64 | 0.64 | | ug/m3 | 1 | 8/27/2018 8:18:00 PM |
| Tetrachloroethylene | < 1.0 | 1.0 | | ug/m3 | 1 | 8/27/2018 8:18:00 PM |
| Tetrahydrofuran | < 0.44 | 0.44 | | ug/m3 | 1 | 8/27/2018 8:18:00 PM |
| Toluene | 15 | 5.7 | | ug/m3 | 10 | 8/28/2018 5:03:00 PM |
| trans-1,2-Dichloroethene | < 0.59 | 0.59 | | ug/m3 | 1 | 8/27/2018 8:18:00 PM |
| trans-1,3-Dichloropropene | < 0.68 | 0.68 | | ug/m3 | 1 | 8/27/2018 8:18:00 PM |
| Trichloroethene | 4.9 | 0.16 | | ug/m3 | 1 | 8/27/2018 8:18:00 PM |
| Vinyl acetate | < 0.53 | 0.53 | | ug/m3 | 1 | 8/27/2018 8:18:00 PM |
| Vinyl Bromide | < 0.66 | 0.66 | | ug/m3 | 1 | 8/27/2018 8:18:00 PM |
| Vinyl chloride | < 0.10 | 0.10 | | ug/m3 | 1 | 8/27/2018 8:18:00 PM |

| | | | | |
|--------------------|----|--|----|---|
| Qualifiers: | ** | Quantitation Limit | . | Results reported are not blank corrected |
| | B | Analyte detected in the associated Method Blank | E | Estimated Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limit |
| | JN | Non-routine analyte. Quantitation estimated. | ND | Not Detected at the Limit of Detection |
| | S | Spike Recovery outside accepted recovery limits | | |

Centek Laboratories, LLC

Date: 31-Aug-18

CLIENT: BE3/Panamerican
Lab Order: C1808061
Project: 31 Tonawanda St
Lab ID: C1808061-006A

Client Sample ID: IA-04
Tag Number: 158,1154
Collection Date: 8/21/2018
Matrix: AIR

| Analyses | Result | **Limit | Qual | Units | DF | Date Analyzed |
|--|--------|--------------|------|---------------------|----|----------------------|
| 1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE | | TO-15 | | Analyst: RJP | | |
| 1,1,1-Trichloroethane | 34 | 8.2 | | ug/m3 | 10 | 8/28/2018 5:40:00 PM |
| 1,1,2,2-Tetrachloroethane | < 1.0 | 1.0 | | ug/m3 | 1 | 8/27/2018 8:59:00 PM |
| 1,1,2-Trichloroethane | < 0.82 | 0.82 | | ug/m3 | 1 | 8/27/2018 8:59:00 PM |
| 1,1-Dichloroethane | 1.5 | 0.61 | | ug/m3 | 1 | 8/27/2018 8:59:00 PM |
| 1,1-Dichloroethene | < 0.16 | 0.16 | | ug/m3 | 1 | 8/27/2018 8:59:00 PM |
| 1,2,4-Trichlorobenzene | < 1.1 | 1.1 | | ug/m3 | 1 | 8/27/2018 8:59:00 PM |
| 1,2,4-Trimethylbenzene | 1.4 | 0.74 | | ug/m3 | 1 | 8/27/2018 8:59:00 PM |
| 1,2-Dibromoethane | < 1.2 | 1.2 | | ug/m3 | 1 | 8/27/2018 8:59:00 PM |
| 1,2-Dichlorobenzene | < 0.90 | 0.90 | | ug/m3 | 1 | 8/27/2018 8:59:00 PM |
| 1,2-Dichloroethane | < 0.61 | 0.61 | | ug/m3 | 1 | 8/27/2018 8:59:00 PM |
| 1,2-Dichloropropane | < 0.69 | 0.69 | | ug/m3 | 1 | 8/27/2018 8:59:00 PM |
| 1,3,5-Trimethylbenzene | < 0.74 | 0.74 | | ug/m3 | 1 | 8/27/2018 8:59:00 PM |
| 1,3-butadiene | < 0.33 | 0.33 | | ug/m3 | 1 | 8/27/2018 8:59:00 PM |
| 1,3-Dichlorobenzene | < 0.90 | 0.90 | | ug/m3 | 1 | 8/27/2018 8:59:00 PM |
| 1,4-Dichlorobenzene | < 0.90 | 0.90 | | ug/m3 | 1 | 8/27/2018 8:59:00 PM |
| 1,4-Dioxane | < 1.1 | 1.1 | | ug/m3 | 1 | 8/27/2018 8:59:00 PM |
| 2,2,4-trimethylpentane | 0.89 | 0.70 | | ug/m3 | 1 | 8/27/2018 8:59:00 PM |
| 4-ethyltoluene | < 0.74 | 0.74 | | ug/m3 | 1 | 8/27/2018 8:59:00 PM |
| Acetone | 17 | 7.1 | | ug/m3 | 10 | 8/28/2018 5:40:00 PM |
| Allyl chloride | < 0.47 | 0.47 | | ug/m3 | 1 | 8/27/2018 8:59:00 PM |
| Benzene | 0.93 | 0.48 | | ug/m3 | 1 | 8/27/2018 8:59:00 PM |
| Benzyl chloride | < 0.86 | 0.86 | | ug/m3 | 1 | 8/27/2018 8:59:00 PM |
| Bromodichloromethane | < 1.0 | 1.0 | | ug/m3 | 1 | 8/27/2018 8:59:00 PM |
| Bromoform | < 1.6 | 1.6 | | ug/m3 | 1 | 8/27/2018 8:59:00 PM |
| Bromomethane | < 0.58 | 0.58 | | ug/m3 | 1 | 8/27/2018 8:59:00 PM |
| Carbon disulfide | < 0.47 | 0.47 | | ug/m3 | 1 | 8/27/2018 8:59:00 PM |
| Carbon tetrachloride | < 0.19 | 0.19 | | ug/m3 | 1 | 8/27/2018 8:59:00 PM |
| Chlorobenzene | < 0.69 | 0.69 | | ug/m3 | 1 | 8/27/2018 8:59:00 PM |
| Chloroethane | < 0.40 | 0.40 | | ug/m3 | 1 | 8/27/2018 8:59:00 PM |
| Chloroform | < 0.73 | 0.73 | | ug/m3 | 1 | 8/27/2018 8:59:00 PM |
| Chloromethane | 0.70 | 0.31 | | ug/m3 | 1 | 8/27/2018 8:59:00 PM |
| cis-1,2-Dichloroethene | < 0.16 | 0.16 | | ug/m3 | 1 | 8/27/2018 8:59:00 PM |
| cis-1,3-Dichloropropene | < 0.68 | 0.68 | | ug/m3 | 1 | 8/27/2018 8:59:00 PM |
| Cyclohexane | < 0.52 | 0.52 | | ug/m3 | 1 | 8/27/2018 8:59:00 PM |
| Dibromochloromethane | < 1.3 | 1.3 | | ug/m3 | 1 | 8/27/2018 8:59:00 PM |
| Ethyl acetate | < 0.54 | 0.54 | | ug/m3 | 1 | 8/27/2018 8:59:00 PM |
| Ethylbenzene | 0.78 | 0.65 | | ug/m3 | 1 | 8/27/2018 8:59:00 PM |
| Freon 11 | 1.8 | 0.84 | | ug/m3 | 1 | 8/27/2018 8:59:00 PM |
| Freon 113 | < 1.1 | 1.1 | | ug/m3 | 1 | 8/27/2018 8:59:00 PM |
| Freon 114 | < 1.0 | 1.0 | | ug/m3 | 1 | 8/27/2018 8:59:00 PM |

| | | | | |
|--------------------|----|--|----|---|
| Qualifiers: | ** | Quantitation Limit | . | Results reported are not blank corrected |
| | B | Analyte detected in the associated Method Blank | E | Estimated Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limit |
| | JN | Non-routine analyte. Quantitation estimated. | ND | Not Detected at the Limit of Detection |
| | S | Spike Recovery outside accepted recovery limits | | |

Centek Laboratories, LLC

Date: 31-Aug-18

CLIENT: BE3/Panamerican
Lab Order: C1808061
Project: 31 Tonawanda St
Lab ID: C1808061-006A

Client Sample ID: IA-04
Tag Number: 158,1154
Collection Date: 8/21/2018
Matrix: AIR

| Analyses | Result | **Limit | Qual | Units | DF | Date Analyzed |
|--|--------|--------------|------|---------------------|----|----------------------|
| 1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE | | TO-15 | | Analyst: RJP | | |
| Freon 12 | 2.0 | 0.74 | | ug/m3 | 1 | 8/27/2018 8:59:00 PM |
| Heptane | 1.3 | 0.61 | | ug/m3 | 1 | 8/27/2018 8:59:00 PM |
| Hexachloro-1,3-butadiene | < 1.6 | 1.6 | | ug/m3 | 1 | 8/27/2018 8:59:00 PM |
| Hexane | 2.2 | 0.53 | | ug/m3 | 1 | 8/27/2018 8:59:00 PM |
| Isopropyl alcohol | 3.1 | 0.37 | | ug/m3 | 1 | 8/27/2018 8:59:00 PM |
| m&p-Xylene | 2.7 | 1.3 | | ug/m3 | 1 | 8/27/2018 8:59:00 PM |
| Methyl Butyl Ketone | < 1.2 | 1.2 | | ug/m3 | 1 | 8/27/2018 8:59:00 PM |
| Methyl Ethyl Ketone | 1.4 | 0.88 | | ug/m3 | 1 | 8/27/2018 8:59:00 PM |
| Methyl Isobutyl Ketone | < 1.2 | 1.2 | | ug/m3 | 1 | 8/27/2018 8:59:00 PM |
| Methyl tert-butyl ether | < 0.54 | 0.54 | | ug/m3 | 1 | 8/27/2018 8:59:00 PM |
| Methylene chloride | 0.69 | 0.52 | | ug/m3 | 1 | 8/27/2018 8:59:00 PM |
| o-Xylene | 1.1 | 0.65 | | ug/m3 | 1 | 8/27/2018 8:59:00 PM |
| Propylene | < 0.26 | 0.26 | | ug/m3 | 1 | 8/27/2018 8:59:00 PM |
| Styrene | < 0.64 | 0.64 | | ug/m3 | 1 | 8/27/2018 8:59:00 PM |
| Tetrachloroethylene | < 1.0 | 1.0 | | ug/m3 | 1 | 8/27/2018 8:59:00 PM |
| Tetrahydrofuran | < 0.44 | 0.44 | | ug/m3 | 1 | 8/27/2018 8:59:00 PM |
| Toluene | 7.9 | 5.7 | | ug/m3 | 10 | 8/28/2018 5:40:00 PM |
| trans-1,2-Dichloroethene | < 0.59 | 0.59 | | ug/m3 | 1 | 8/27/2018 8:59:00 PM |
| trans-1,3-Dichloropropene | < 0.68 | 0.68 | | ug/m3 | 1 | 8/27/2018 8:59:00 PM |
| Trichloroethene | 20 | 1.6 | | ug/m3 | 10 | 8/28/2018 5:40:00 PM |
| Vinyl acetate | < 0.53 | 0.53 | | ug/m3 | 1 | 8/27/2018 8:59:00 PM |
| Vinyl Bromide | < 0.66 | 0.66 | | ug/m3 | 1 | 8/27/2018 8:59:00 PM |
| Vinyl chloride | < 0.10 | 0.10 | | ug/m3 | 1 | 8/27/2018 8:59:00 PM |

| | | | | |
|--------------------|----|--|----|---|
| Qualifiers: | ** | Quantitation Limit | . | Results reported are not blank corrected |
| | B | Analyte detected in the associated Method Blank | E | Estimated Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limit |
| | JN | Non-routine analyte. Quantitation estimated. | ND | Not Detected at the Limit of Detection |
| | S | Spike Recovery outside accepted recovery limits | | |

Centek Laboratories, LLC

Date: 31-Aug-18

CLIENT: BE3/Panamerican
Lab Order: C1808061
Project: 31 Tonawanda St
Lab ID: C1808061-007A

Client Sample ID: IA-05
Tag Number: 241,310
Collection Date: 8/21/2018
Matrix: AIR

| Analyses | Result | **Limit | Qual | Units | DF | Date Analyzed |
|--|--------|--------------|------|---------------------|-----|----------------------|
| 1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE | | TO-15 | | Analyst: RJP | | |
| 1,1,1-Trichloroethane | 1700 | 150 | | ug/m3 | 180 | 8/29/2018 7:45:00 AM |
| 1,1,2,2-Tetrachloroethane | < 1.0 | 1.0 | | ug/m3 | 1 | 8/27/2018 9:39:00 PM |
| 1,1,2-Trichloroethane | < 0.82 | 0.82 | | ug/m3 | 1 | 8/27/2018 9:39:00 PM |
| 1,1-Dichloroethane | 41 | 5.7 | | ug/m3 | 9 | 8/28/2018 6:20:00 PM |
| 1,1-Dichloroethene | 2.9 | 0.16 | | ug/m3 | 1 | 8/27/2018 9:39:00 PM |
| 1,2,4-Trichlorobenzene | < 1.1 | 1.1 | | ug/m3 | 1 | 8/27/2018 9:39:00 PM |
| 1,2,4-Trimethylbenzene | 7.3 | 0.74 | | ug/m3 | 1 | 8/27/2018 9:39:00 PM |
| 1,2-Dibromoethane | < 1.2 | 1.2 | | ug/m3 | 1 | 8/27/2018 9:39:00 PM |
| 1,2-Dichlorobenzene | < 0.90 | 0.90 | | ug/m3 | 1 | 8/27/2018 9:39:00 PM |
| 1,2-Dichloroethane | < 0.61 | 0.61 | | ug/m3 | 1 | 8/27/2018 9:39:00 PM |
| 1,2-Dichloropropane | < 0.69 | 0.69 | | ug/m3 | 1 | 8/27/2018 9:39:00 PM |
| 1,3,5-Trimethylbenzene | 3.4 | 0.74 | | ug/m3 | 1 | 8/27/2018 9:39:00 PM |
| 1,3-butadiene | < 0.33 | 0.33 | | ug/m3 | 1 | 8/27/2018 9:39:00 PM |
| 1,3-Dichlorobenzene | < 0.90 | 0.90 | | ug/m3 | 1 | 8/27/2018 9:39:00 PM |
| 1,4-Dichlorobenzene | < 0.90 | 0.90 | | ug/m3 | 1 | 8/27/2018 9:39:00 PM |
| 1,4-Dioxane | < 1.1 | 1.1 | | ug/m3 | 1 | 8/27/2018 9:39:00 PM |
| 2,2,4-trimethylpentane | 0.51 | 0.70 | J | ug/m3 | 1 | 8/27/2018 9:39:00 PM |
| 4-ethyltoluene | 1.8 | 0.74 | | ug/m3 | 1 | 8/27/2018 9:39:00 PM |
| Acetone | 77 | 64 | | ug/m3 | 90 | 8/28/2018 6:57:00 PM |
| Allyl chloride | < 0.47 | 0.47 | | ug/m3 | 1 | 8/27/2018 9:39:00 PM |
| Benzene | 0.99 | 0.48 | | ug/m3 | 1 | 8/27/2018 9:39:00 PM |
| Benzyl chloride | < 0.86 | 0.86 | | ug/m3 | 1 | 8/27/2018 9:39:00 PM |
| Bromodichloromethane | < 1.0 | 1.0 | | ug/m3 | 1 | 8/27/2018 9:39:00 PM |
| Bromoform | < 1.6 | 1.6 | | ug/m3 | 1 | 8/27/2018 9:39:00 PM |
| Bromomethane | 1.0 | 0.58 | | ug/m3 | 1 | 8/27/2018 9:39:00 PM |
| Carbon disulfide | < 0.47 | 0.47 | | ug/m3 | 1 | 8/27/2018 9:39:00 PM |
| Carbon tetrachloride | < 0.19 | 0.19 | | ug/m3 | 1 | 8/27/2018 9:39:00 PM |
| Chlorobenzene | < 0.69 | 0.69 | | ug/m3 | 1 | 8/27/2018 9:39:00 PM |
| Chloroethane | 0.63 | 0.40 | | ug/m3 | 1 | 8/27/2018 9:39:00 PM |
| Chloroform | 1.4 | 0.73 | | ug/m3 | 1 | 8/27/2018 9:39:00 PM |
| Chloromethane | 2.1 | 0.31 | | ug/m3 | 1 | 8/27/2018 9:39:00 PM |
| cis-1,2-Dichloroethene | 5.5 | 0.16 | | ug/m3 | 1 | 8/27/2018 9:39:00 PM |
| cis-1,3-Dichloropropene | < 0.68 | 0.68 | | ug/m3 | 1 | 8/27/2018 9:39:00 PM |
| Cyclohexane | 1.4 | 0.52 | | ug/m3 | 1 | 8/27/2018 9:39:00 PM |
| Dibromochloromethane | < 1.3 | 1.3 | | ug/m3 | 1 | 8/27/2018 9:39:00 PM |
| Ethyl acetate | 5.0 | 0.54 | | ug/m3 | 1 | 8/27/2018 9:39:00 PM |
| Ethylbenzene | 0.82 | 0.65 | | ug/m3 | 1 | 8/27/2018 9:39:00 PM |
| Freon 11 | 1.7 | 0.84 | | ug/m3 | 1 | 8/27/2018 9:39:00 PM |
| Freon 113 | < 1.1 | 1.1 | | ug/m3 | 1 | 8/27/2018 9:39:00 PM |
| Freon 114 | < 1.0 | 1.0 | | ug/m3 | 1 | 8/27/2018 9:39:00 PM |

| | | | | |
|--------------------|----|--|----|---|
| Qualifiers: | ** | Quantitation Limit | . | Results reported are not blank corrected |
| | B | Analyte detected in the associated Method Blank | E | Estimated Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limit |
| | JN | Non-routine analyte. Quantitation estimated. | ND | Not Detected at the Limit of Detection |
| | S | Spike Recovery outside accepted recovery limits | | |

Centek Laboratories, LLC

Date: 31-Aug-18

CLIENT: BE3/Panamerican
Lab Order: C1808061
Project: 31 Tonawanda St
Lab ID: C1808061-007A

Client Sample ID: IA-05
Tag Number: 241,310
Collection Date: 8/21/2018
Matrix: AIR

| Analyses | Result | **Limit | Qual | Units | DF | Date Analyzed |
|--|--------|--------------|------|---------------------|----|----------------------|
| 1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE | | TO-15 | | Analyst: RJP | | |
| Freon 12 | 1.9 | 0.74 | | ug/m3 | 1 | 8/27/2018 9:39:00 PM |
| Heptane | 3.6 | 0.61 | | ug/m3 | 1 | 8/27/2018 9:39:00 PM |
| Hexachloro-1,3-butadiene | < 1.6 | 1.6 | | ug/m3 | 1 | 8/27/2018 9:39:00 PM |
| Hexane | 2.5 | 0.53 | | ug/m3 | 1 | 8/27/2018 9:39:00 PM |
| Isopropyl alcohol | 25 | 3.4 | | ug/m3 | 9 | 8/28/2018 6:20:00 PM |
| m&p-Xylene | 1.9 | 1.3 | | ug/m3 | 1 | 8/27/2018 9:39:00 PM |
| Methyl Butyl Ketone | < 1.2 | 1.2 | | ug/m3 | 1 | 8/27/2018 9:39:00 PM |
| Methyl Ethyl Ketone | 6.4 | 8.0 | J | ug/m3 | 9 | 8/28/2018 6:20:00 PM |
| Methyl Isobutyl Ketone | 0.70 | 1.2 | J | ug/m3 | 1 | 8/27/2018 9:39:00 PM |
| Methyl tert-butyl ether | < 0.54 | 0.54 | | ug/m3 | 1 | 8/27/2018 9:39:00 PM |
| Methylene chloride | 4.7 | 0.52 | | ug/m3 | 1 | 8/27/2018 9:39:00 PM |
| o-Xylene | 0.91 | 0.65 | | ug/m3 | 1 | 8/27/2018 9:39:00 PM |
| Propylene | < 0.26 | 0.26 | | ug/m3 | 1 | 8/27/2018 9:39:00 PM |
| Styrene | 0.98 | 0.64 | | ug/m3 | 1 | 8/27/2018 9:39:00 PM |
| Tetrachloroethylene | 1.0 | 1.0 | | ug/m3 | 1 | 8/27/2018 9:39:00 PM |
| Tetrahydrofuran | < 0.44 | 0.44 | | ug/m3 | 1 | 8/27/2018 9:39:00 PM |
| Toluene | 21 | 5.3 | | ug/m3 | 9 | 8/28/2018 6:20:00 PM |
| trans-1,2-Dichloroethene | 1.6 | 0.59 | | ug/m3 | 1 | 8/27/2018 9:39:00 PM |
| trans-1,3-Dichloropropene | < 0.68 | 0.68 | | ug/m3 | 1 | 8/27/2018 9:39:00 PM |
| Trichloroethene | 230 | 15 | | ug/m3 | 90 | 8/28/2018 6:57:00 PM |
| Vinyl acetate | < 0.53 | 0.53 | | ug/m3 | 1 | 8/27/2018 9:39:00 PM |
| Vinyl Bromide | < 0.66 | 0.66 | | ug/m3 | 1 | 8/27/2018 9:39:00 PM |
| Vinyl chloride | < 0.10 | 0.10 | | ug/m3 | 1 | 8/27/2018 9:39:00 PM |

| | | | | |
|--------------------|----|--|----|---|
| Qualifiers: | ** | Quantitation Limit | . | Results reported are not blank corrected |
| | B | Analyte detected in the associated Method Blank | E | Estimated Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limit |
| | JN | Non-routine analyte. Quantitation estimated. | ND | Not Detected at the Limit of Detection |
| | S | Spike Recovery outside accepted recovery limits | | |

Centek Laboratories, LLC

Date: 31-Aug-18

CLIENT: BE3/Panamerican
Lab Order: C1808061
Project: 31 Tonawanda St
Lab ID: C1808061-008A

Client Sample ID: SS-05
Tag Number: 138,1163
Collection Date: 8/21/2018
Matrix: AIR

| Analyses | Result | **Limit | Qual | Units | DF | Date Analyzed |
|------------------------------|--------|---------|--------------|-------|---------------------|-----------------------|
| 1UG/M3 BY METHOD TO15 | | | TO-15 | | Analyst: RJP | |
| 1,1,1-Trichloroethane | 16 | 8.2 | | ug/m3 | 10 | 8/28/2018 9:24:00 PM |
| 1,1,2,2-Tetrachloroethane | < 1.0 | 1.0 | | ug/m3 | 1 | 8/27/2018 11:39:00 PM |
| 1,1,2-Trichloroethane | < 0.82 | 0.82 | | ug/m3 | 1 | 8/27/2018 11:39:00 PM |
| 1,1-Dichloroethane | < 0.61 | 0.61 | | ug/m3 | 1 | 8/27/2018 11:39:00 PM |
| 1,1-Dichloroethene | < 0.59 | 0.59 | | ug/m3 | 1 | 8/27/2018 11:39:00 PM |
| 1,2,4-Trichlorobenzene | < 1.1 | 1.1 | | ug/m3 | 1 | 8/27/2018 11:39:00 PM |
| 1,2,4-Trimethylbenzene | 4.7 | 0.74 | | ug/m3 | 1 | 8/27/2018 11:39:00 PM |
| 1,2-Dibromoethane | < 1.2 | 1.2 | | ug/m3 | 1 | 8/27/2018 11:39:00 PM |
| 1,2-Dichlorobenzene | < 0.90 | 0.90 | | ug/m3 | 1 | 8/27/2018 11:39:00 PM |
| 1,2-Dichloroethane | < 0.61 | 0.61 | | ug/m3 | 1 | 8/27/2018 11:39:00 PM |
| 1,2-Dichloropropane | < 0.69 | 0.69 | | ug/m3 | 1 | 8/27/2018 11:39:00 PM |
| 1,3,5-Trimethylbenzene | 2.1 | 0.74 | | ug/m3 | 1 | 8/27/2018 11:39:00 PM |
| 1,3-butadiene | < 0.33 | 0.33 | | ug/m3 | 1 | 8/27/2018 11:39:00 PM |
| 1,3-Dichlorobenzene | < 0.90 | 0.90 | | ug/m3 | 1 | 8/27/2018 11:39:00 PM |
| 1,4-Dichlorobenzene | < 0.90 | 0.90 | | ug/m3 | 1 | 8/27/2018 11:39:00 PM |
| 1,4-Dioxane | < 1.1 | 1.1 | | ug/m3 | 1 | 8/27/2018 11:39:00 PM |
| 2,2,4-trimethylpentane | 1.7 | 0.70 | | ug/m3 | 1 | 8/27/2018 11:39:00 PM |
| 4-ethyltoluene | 1.1 | 0.74 | | ug/m3 | 1 | 8/27/2018 11:39:00 PM |
| Acetone | 49 | 7.1 | | ug/m3 | 10 | 8/28/2018 9:24:00 PM |
| Allyl chloride | < 0.47 | 0.47 | | ug/m3 | 1 | 8/27/2018 11:39:00 PM |
| Benzene | 1.6 | 0.48 | | ug/m3 | 1 | 8/27/2018 11:39:00 PM |
| Benzyl chloride | < 0.86 | 0.86 | | ug/m3 | 1 | 8/27/2018 11:39:00 PM |
| Bromodichloromethane | < 1.0 | 1.0 | | ug/m3 | 1 | 8/27/2018 11:39:00 PM |
| Bromoform | < 1.6 | 1.6 | | ug/m3 | 1 | 8/27/2018 11:39:00 PM |
| Bromomethane | < 0.58 | 0.58 | | ug/m3 | 1 | 8/27/2018 11:39:00 PM |
| Carbon disulfide | 1.3 | 0.47 | | ug/m3 | 1 | 8/27/2018 11:39:00 PM |
| Carbon tetrachloride | < 0.94 | 0.94 | | ug/m3 | 1 | 8/27/2018 11:39:00 PM |
| Chlorobenzene | < 0.69 | 0.69 | | ug/m3 | 1 | 8/27/2018 11:39:00 PM |
| Chloroethane | < 0.40 | 0.40 | | ug/m3 | 1 | 8/27/2018 11:39:00 PM |
| Chloroform | < 0.73 | 0.73 | | ug/m3 | 1 | 8/27/2018 11:39:00 PM |
| Chloromethane | < 0.31 | 0.31 | | ug/m3 | 1 | 8/27/2018 11:39:00 PM |
| cis-1,2-Dichloroethene | < 0.59 | 0.59 | | ug/m3 | 1 | 8/27/2018 11:39:00 PM |
| cis-1,3-Dichloropropene | < 0.68 | 0.68 | | ug/m3 | 1 | 8/27/2018 11:39:00 PM |
| Cyclohexane | 9.6 | 5.2 | | ug/m3 | 10 | 8/28/2018 9:24:00 PM |
| Dibromochloromethane | < 1.3 | 1.3 | | ug/m3 | 1 | 8/27/2018 11:39:00 PM |
| Ethyl acetate | 1.5 | 0.54 | | ug/m3 | 1 | 8/27/2018 11:39:00 PM |
| Ethylbenzene | 1.3 | 0.65 | | ug/m3 | 1 | 8/27/2018 11:39:00 PM |
| Freon 11 | 2.2 | 0.84 | | ug/m3 | 1 | 8/27/2018 11:39:00 PM |
| Freon 113 | < 1.1 | 1.1 | | ug/m3 | 1 | 8/27/2018 11:39:00 PM |
| Freon 114 | < 1.0 | 1.0 | | ug/m3 | 1 | 8/27/2018 11:39:00 PM |

| | | | | |
|--------------------|----|--|----|---|
| Qualifiers: | ** | Quantitation Limit | . | Results reported are not blank corrected |
| | B | Analyte detected in the associated Method Blank | E | Estimated Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limit |
| | JN | Non-routine analyte. Quantitation estimated. | ND | Not Detected at the Limit of Detection |
| | S | Spike Recovery outside accepted recovery limits | | |

Centek Laboratories, LLC

Date: 31-Aug-18

CLIENT: BE3/Panamerican
Lab Order: C1808061
Project: 31 Tonawanda St
Lab ID: C1808061-008A

Client Sample ID: SS-05
Tag Number: 138,1163
Collection Date: 8/21/2018
Matrix: AIR

| Analyses | Result | **Limit | Qual | Units | DF | Date Analyzed |
|------------------------------|--------|--------------|------|---------------------|----|-----------------------|
| 1UG/M3 BY METHOD TO15 | | TO-15 | | Analyst: RJP | | |
| Freon 12 | 1.8 | 0.74 | | ug/m3 | 1 | 8/27/2018 11:39:00 PM |
| Heptane | 4.7 | 0.61 | | ug/m3 | 1 | 8/27/2018 11:39:00 PM |
| Hexachloro-1,3-butadiene | < 1.6 | 1.6 | | ug/m3 | 1 | 8/27/2018 11:39:00 PM |
| Hexane | 16 | 5.3 | | ug/m3 | 10 | 8/28/2018 9:24:00 PM |
| Isopropyl alcohol | 13 | 3.7 | | ug/m3 | 10 | 8/28/2018 9:24:00 PM |
| m&p-Xylene | 4.0 | 1.3 | | ug/m3 | 1 | 8/27/2018 11:39:00 PM |
| Methyl Butyl Ketone | < 1.2 | 1.2 | | ug/m3 | 1 | 8/27/2018 11:39:00 PM |
| Methyl Ethyl Ketone | 3.1 | 0.88 | | ug/m3 | 1 | 8/27/2018 11:39:00 PM |
| Methyl Isobutyl Ketone | 0.57 | 1.2 | J | ug/m3 | 1 | 8/27/2018 11:39:00 PM |
| Methyl tert-butyl ether | 0.76 | 0.54 | | ug/m3 | 1 | 8/27/2018 11:39:00 PM |
| Methylene chloride | 1.6 | 0.52 | | ug/m3 | 1 | 8/27/2018 11:39:00 PM |
| o-Xylene | 1.4 | 0.65 | | ug/m3 | 1 | 8/27/2018 11:39:00 PM |
| Propylene | < 0.26 | 0.26 | | ug/m3 | 1 | 8/27/2018 11:39:00 PM |
| Styrene | 0.64 | 0.64 | | ug/m3 | 1 | 8/27/2018 11:39:00 PM |
| Tetrachloroethylene | 2.1 | 1.0 | | ug/m3 | 1 | 8/27/2018 11:39:00 PM |
| Tetrahydrofuran | < 0.44 | 0.44 | | ug/m3 | 1 | 8/27/2018 11:39:00 PM |
| Toluene | 24 | 5.7 | | ug/m3 | 10 | 8/28/2018 9:24:00 PM |
| trans-1,2-Dichloroethene | < 0.59 | 0.59 | | ug/m3 | 1 | 8/27/2018 11:39:00 PM |
| trans-1,3-Dichloropropene | < 0.68 | 0.68 | | ug/m3 | 1 | 8/27/2018 11:39:00 PM |
| Trichloroethene | 83 | 8.1 | | ug/m3 | 10 | 8/28/2018 9:24:00 PM |
| Vinyl acetate | < 0.53 | 0.53 | | ug/m3 | 1 | 8/27/2018 11:39:00 PM |
| Vinyl Bromide | < 0.66 | 0.66 | | ug/m3 | 1 | 8/27/2018 11:39:00 PM |
| Vinyl chloride | < 0.38 | 0.38 | | ug/m3 | 1 | 8/27/2018 11:39:00 PM |

| | | | | |
|--------------------|----|--|----|---|
| Qualifiers: | ** | Quantitation Limit | . | Results reported are not blank corrected |
| | B | Analyte detected in the associated Method Blank | E | Estimated Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limit |
| | JN | Non-routine analyte. Quantitation estimated. | ND | Not Detected at the Limit of Detection |
| | S | Spike Recovery outside accepted recovery limits | | |

Centek Laboratories, LLC

Date: 31-Aug-18

CLIENT: BE3/Panamerican
Lab Order: C1808061
Project: 31 Tonawanda St
Lab ID: C1808061-009A

Client Sample ID: SS-06
Tag Number: 189,277
Collection Date: 8/21/2018
Matrix: AIR

| Analyses | Result | **Limit | Qual | Units | DF | Date Analyzed |
|------------------------------|--------|---------|--------------|-------|---------------------|-----------------------|
| 1UG/M3 BY METHOD TO15 | | | TO-15 | | Analyst: RJP | |
| 1,1,1-Trichloroethane | 68 | 8.2 | | ug/m3 | 10 | 8/28/2018 10:00:00 PM |
| 1,1,2,2-Tetrachloroethane | < 1.0 | 1.0 | | ug/m3 | 1 | 8/28/2018 12:19:00 AM |
| 1,1,2-Trichloroethane | < 0.82 | 0.82 | | ug/m3 | 1 | 8/28/2018 12:19:00 AM |
| 1,1-Dichloroethane | 8.9 | 6.1 | | ug/m3 | 10 | 8/28/2018 10:00:00 PM |
| 1,1-Dichloroethene | < 0.59 | 0.59 | | ug/m3 | 1 | 8/28/2018 12:19:00 AM |
| 1,2,4-Trichlorobenzene | < 1.1 | 1.1 | | ug/m3 | 1 | 8/28/2018 12:19:00 AM |
| 1,2,4-Trimethylbenzene | 2.5 | 0.74 | | ug/m3 | 1 | 8/28/2018 12:19:00 AM |
| 1,2-Dibromoethane | < 1.2 | 1.2 | | ug/m3 | 1 | 8/28/2018 12:19:00 AM |
| 1,2-Dichlorobenzene | < 0.90 | 0.90 | | ug/m3 | 1 | 8/28/2018 12:19:00 AM |
| 1,2-Dichloroethane | 0.77 | 0.61 | | ug/m3 | 1 | 8/28/2018 12:19:00 AM |
| 1,2-Dichloropropane | < 0.69 | 0.69 | | ug/m3 | 1 | 8/28/2018 12:19:00 AM |
| 1,3,5-Trimethylbenzene | 0.79 | 0.74 | | ug/m3 | 1 | 8/28/2018 12:19:00 AM |
| 1,3-butadiene | < 0.33 | 0.33 | | ug/m3 | 1 | 8/28/2018 12:19:00 AM |
| 1,3-Dichlorobenzene | < 0.90 | 0.90 | | ug/m3 | 1 | 8/28/2018 12:19:00 AM |
| 1,4-Dichlorobenzene | < 0.90 | 0.90 | | ug/m3 | 1 | 8/28/2018 12:19:00 AM |
| 1,4-Dioxane | 0.68 | 1.1 | J | ug/m3 | 1 | 8/28/2018 12:19:00 AM |
| 2,2,4-trimethylpentane | 1.4 | 0.70 | | ug/m3 | 1 | 8/28/2018 12:19:00 AM |
| 4-ethyltoluene | 0.49 | 0.74 | J | ug/m3 | 1 | 8/28/2018 12:19:00 AM |
| Acetone | 140 | 28 | | ug/m3 | 40 | 8/28/2018 10:37:00 PM |
| Allyl chloride | < 0.47 | 0.47 | | ug/m3 | 1 | 8/28/2018 12:19:00 AM |
| Benzene | 2.0 | 0.48 | | ug/m3 | 1 | 8/28/2018 12:19:00 AM |
| Benzyl chloride | < 0.86 | 0.86 | | ug/m3 | 1 | 8/28/2018 12:19:00 AM |
| Bromodichloromethane | < 1.0 | 1.0 | | ug/m3 | 1 | 8/28/2018 12:19:00 AM |
| Bromoform | < 1.6 | 1.6 | | ug/m3 | 1 | 8/28/2018 12:19:00 AM |
| Bromomethane | 0.93 | 0.58 | | ug/m3 | 1 | 8/28/2018 12:19:00 AM |
| Carbon disulfide | 2.7 | 0.47 | | ug/m3 | 1 | 8/28/2018 12:19:00 AM |
| Carbon tetrachloride | < 0.94 | 0.94 | | ug/m3 | 1 | 8/28/2018 12:19:00 AM |
| Chlorobenzene | < 0.69 | 0.69 | | ug/m3 | 1 | 8/28/2018 12:19:00 AM |
| Chloroethane | 0.34 | 0.40 | J | ug/m3 | 1 | 8/28/2018 12:19:00 AM |
| Chloroform | < 0.73 | 0.73 | | ug/m3 | 1 | 8/28/2018 12:19:00 AM |
| Chloromethane | 0.60 | 0.31 | | ug/m3 | 1 | 8/28/2018 12:19:00 AM |
| cis-1,2-Dichloroethene | 0.71 | 0.59 | | ug/m3 | 1 | 8/28/2018 12:19:00 AM |
| cis-1,3-Dichloropropene | < 0.68 | 0.68 | | ug/m3 | 1 | 8/28/2018 12:19:00 AM |
| Cyclohexane | 65 | 5.2 | | ug/m3 | 10 | 8/28/2018 10:00:00 PM |
| Dibromochloromethane | < 1.3 | 1.3 | | ug/m3 | 1 | 8/28/2018 12:19:00 AM |
| Ethyl acetate | 2.5 | 0.54 | | ug/m3 | 1 | 8/28/2018 12:19:00 AM |
| Ethylbenzene | 2.3 | 0.65 | | ug/m3 | 1 | 8/28/2018 12:19:00 AM |
| Freon 11 | 1.6 | 0.84 | | ug/m3 | 1 | 8/28/2018 12:19:00 AM |
| Freon 113 | < 1.1 | 1.1 | | ug/m3 | 1 | 8/28/2018 12:19:00 AM |
| Freon 114 | < 1.0 | 1.0 | | ug/m3 | 1 | 8/28/2018 12:19:00 AM |

| | | | | |
|--------------------|----|--|----|---|
| Qualifiers: | ** | Quantitation Limit | . | Results reported are not blank corrected |
| | B | Analyte detected in the associated Method Blank | E | Estimated Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limit |
| | JN | Non-routine analyte. Quantitation estimated. | ND | Not Detected at the Limit of Detection |
| | S | Spike Recovery outside accepted recovery limits | | |

Centek Laboratories, LLC

Date: 31-Aug-18

CLIENT: BE3/Panamerican
Lab Order: C1808061
Project: 31 Tonawanda St
Lab ID: C1808061-009A

Client Sample ID: SS-06
Tag Number: 189,277
Collection Date: 8/21/2018
Matrix: AIR

| Analyses | Result | **Limit | Qual | Units | DF | Date Analyzed |
|------------------------------|--------|--------------|------|-------|----|-----------------------|
| 1UG/M3 BY METHOD TO15 | | TO-15 | | | | Analyst: RJP |
| Freon 12 | 2.0 | 0.74 | | ug/m3 | 1 | 8/28/2018 12:19:00 AM |
| Heptane | 7.4 | 6.1 | | ug/m3 | 10 | 8/28/2018 10:00:00 PM |
| Hexachloro-1,3-butadiene | < 1.6 | 1.6 | | ug/m3 | 1 | 8/28/2018 12:19:00 AM |
| Hexane | 19 | 5.3 | | ug/m3 | 10 | 8/28/2018 10:00:00 PM |
| Isopropyl alcohol | 16 | 3.7 | | ug/m3 | 10 | 8/28/2018 10:00:00 PM |
| m&p-Xylene | 5.3 | 1.3 | | ug/m3 | 1 | 8/28/2018 12:19:00 AM |
| Methyl Butyl Ketone | < 1.2 | 1.2 | | ug/m3 | 1 | 8/28/2018 12:19:00 AM |
| Methyl Ethyl Ketone | 14 | 8.8 | | ug/m3 | 10 | 8/28/2018 10:00:00 PM |
| Methyl Isobutyl Ketone | 1.5 | 1.2 | | ug/m3 | 1 | 8/28/2018 12:19:00 AM |
| Methyl tert-butyl ether | 8.7 | 5.4 | | ug/m3 | 10 | 8/28/2018 10:00:00 PM |
| Methylene chloride | 1.3 | 0.52 | | ug/m3 | 1 | 8/28/2018 12:19:00 AM |
| o-Xylene | 1.9 | 0.65 | | ug/m3 | 1 | 8/28/2018 12:19:00 AM |
| Propylene | < 0.26 | 0.26 | | ug/m3 | 1 | 8/28/2018 12:19:00 AM |
| Styrene | 3.2 | 0.64 | | ug/m3 | 1 | 8/28/2018 12:19:00 AM |
| Tetrachloroethylene | 390 | 41 | | ug/m3 | 40 | 8/28/2018 10:37:00 PM |
| Tetrahydrofuran | < 0.44 | 0.44 | | ug/m3 | 1 | 8/28/2018 12:19:00 AM |
| Toluene | 63 | 5.7 | | ug/m3 | 10 | 8/28/2018 10:00:00 PM |
| trans-1,2-Dichloroethene | < 0.59 | 0.59 | | ug/m3 | 1 | 8/28/2018 12:19:00 AM |
| trans-1,3-Dichloropropene | < 0.68 | 0.68 | | ug/m3 | 1 | 8/28/2018 12:19:00 AM |
| Trichloroethene | 40 | 8.1 | | ug/m3 | 10 | 8/28/2018 10:00:00 PM |
| Vinyl acetate | < 0.53 | 0.53 | | ug/m3 | 1 | 8/28/2018 12:19:00 AM |
| Vinyl Bromide | < 0.66 | 0.66 | | ug/m3 | 1 | 8/28/2018 12:19:00 AM |
| Vinyl chloride | < 0.38 | 0.38 | | ug/m3 | 1 | 8/28/2018 12:19:00 AM |

| | | | | |
|--------------------|----|--|----|---|
| Qualifiers: | ** | Quantitation Limit | . | Results reported are not blank corrected |
| | B | Analyte detected in the associated Method Blank | E | Estimated Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limit |
| | JN | Non-routine analyte. Quantitation estimated. | ND | Not Detected at the Limit of Detection |
| | S | Spike Recovery outside accepted recovery limits | | |

Centek Laboratories, LLC

Date: 31-Aug-18

CLIENT: BE3/Panamerican
Lab Order: C1808061
Project: 31 Tonawanda St
Lab ID: C1808061-010A

Client Sample ID: SS-01
Tag Number: 322,1170
Collection Date: 8/21/2018
Matrix: AIR

| Analyses | Result | **Limit | Qual | Units | DF | Date Analyzed |
|------------------------------|--------|---------|--------------|-------|---------------------|-----------------------|
| 1UG/M3 BY METHOD TO15 | | | TO-15 | | Analyst: RJP | |
| 1,1,1-Trichloroethane | 78 | 7.6 | | ug/m3 | 9 | 8/28/2018 11:17:00 PM |
| 1,1,2,2-Tetrachloroethane | < 1.0 | 1.0 | | ug/m3 | 1 | 8/28/2018 12:59:00 AM |
| 1,1,2-Trichloroethane | < 0.82 | 0.82 | | ug/m3 | 1 | 8/28/2018 12:59:00 AM |
| 1,1-Dichloroethane | < 0.61 | 0.61 | | ug/m3 | 1 | 8/28/2018 12:59:00 AM |
| 1,1-Dichloroethene | < 0.59 | 0.59 | | ug/m3 | 1 | 8/28/2018 12:59:00 AM |
| 1,2,4-Trichlorobenzene | < 1.1 | 1.1 | | ug/m3 | 1 | 8/28/2018 12:59:00 AM |
| 1,2,4-Trimethylbenzene | 9.9 | 0.74 | | ug/m3 | 1 | 8/28/2018 12:59:00 AM |
| 1,2-Dibromoethane | < 1.2 | 1.2 | | ug/m3 | 1 | 8/28/2018 12:59:00 AM |
| 1,2-Dichlorobenzene | < 0.90 | 0.90 | | ug/m3 | 1 | 8/28/2018 12:59:00 AM |
| 1,2-Dichloroethane | 2.6 | 0.61 | | ug/m3 | 1 | 8/28/2018 12:59:00 AM |
| 1,2-Dichloropropane | < 0.69 | 0.69 | | ug/m3 | 1 | 8/28/2018 12:59:00 AM |
| 1,3,5-Trimethylbenzene | 3.4 | 0.74 | | ug/m3 | 1 | 8/28/2018 12:59:00 AM |
| 1,3-butadiene | < 0.33 | 0.33 | | ug/m3 | 1 | 8/28/2018 12:59:00 AM |
| 1,3-Dichlorobenzene | < 0.90 | 0.90 | | ug/m3 | 1 | 8/28/2018 12:59:00 AM |
| 1,4-Dichlorobenzene | < 0.90 | 0.90 | | ug/m3 | 1 | 8/28/2018 12:59:00 AM |
| 1,4-Dioxane | 2.6 | 1.1 | | ug/m3 | 1 | 8/28/2018 12:59:00 AM |
| 2,2,4-trimethylpentane | 0.79 | 0.70 | | ug/m3 | 1 | 8/28/2018 12:59:00 AM |
| 4-ethyltoluene | 2.5 | 0.74 | | ug/m3 | 1 | 8/28/2018 12:59:00 AM |
| Acetone | 910 | 130 | | ug/m3 | 180 | 8/28/2018 11:54:00 PM |
| Allyl chloride | < 0.47 | 0.47 | | ug/m3 | 1 | 8/28/2018 12:59:00 AM |
| Benzene | 4.8 | 0.48 | | ug/m3 | 1 | 8/28/2018 12:59:00 AM |
| Benzyl chloride | < 0.86 | 0.86 | | ug/m3 | 1 | 8/28/2018 12:59:00 AM |
| Bromodichloromethane | < 1.0 | 1.0 | | ug/m3 | 1 | 8/28/2018 12:59:00 AM |
| Bromoform | < 1.6 | 1.6 | | ug/m3 | 1 | 8/28/2018 12:59:00 AM |
| Bromomethane | < 0.58 | 0.58 | | ug/m3 | 1 | 8/28/2018 12:59:00 AM |
| Carbon disulfide | 17 | 4.4 | | ug/m3 | 9 | 8/28/2018 11:17:00 PM |
| Carbon tetrachloride | < 0.94 | 0.94 | | ug/m3 | 1 | 8/28/2018 12:59:00 AM |
| Chlorobenzene | < 0.69 | 0.69 | | ug/m3 | 1 | 8/28/2018 12:59:00 AM |
| Chloroethane | < 0.40 | 0.40 | | ug/m3 | 1 | 8/28/2018 12:59:00 AM |
| Chloroform | 1.3 | 0.73 | | ug/m3 | 1 | 8/28/2018 12:59:00 AM |
| Chloromethane | 0.35 | 0.31 | | ug/m3 | 1 | 8/28/2018 12:59:00 AM |
| cis-1,2-Dichloroethene | < 0.59 | 0.59 | | ug/m3 | 1 | 8/28/2018 12:59:00 AM |
| cis-1,3-Dichloropropene | < 0.68 | 0.68 | | ug/m3 | 1 | 8/28/2018 12:59:00 AM |
| Cyclohexane | 280 | 93 | | ug/m3 | 180 | 8/28/2018 11:54:00 PM |
| Dibromochloromethane | < 1.3 | 1.3 | | ug/m3 | 1 | 8/28/2018 12:59:00 AM |
| Ethyl acetate | 7.4 | 0.54 | | ug/m3 | 1 | 8/28/2018 12:59:00 AM |
| Ethylbenzene | 11 | 6.1 | | ug/m3 | 9 | 8/28/2018 11:17:00 PM |
| Freon 11 | 4.5 | 0.84 | | ug/m3 | 1 | 8/28/2018 12:59:00 AM |
| Freon 113 | < 1.1 | 1.1 | | ug/m3 | 1 | 8/28/2018 12:59:00 AM |
| Freon 114 | < 1.0 | 1.0 | | ug/m3 | 1 | 8/28/2018 12:59:00 AM |

| | | | | |
|--------------------|----|--|----|---|
| Qualifiers: | ** | Quantitation Limit | . | Results reported are not blank corrected |
| | B | Analyte detected in the associated Method Blank | E | Estimated Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limit |
| | JN | Non-routine analyte. Quantitation estimated. | ND | Not Detected at the Limit of Detection |
| | S | Spike Recovery outside accepted recovery limits | | |

Centek Laboratories, LLC

Date: 31-Aug-18

CLIENT: BE3/Panamerican
Lab Order: C1808061
Project: 31 Tonawanda St
Lab ID: C1808061-010A

Client Sample ID: SS-01
Tag Number: 322,1170
Collection Date: 8/21/2018
Matrix: AIR

| Analyses | Result | **Limit | Qual | Units | DF | Date Analyzed |
|------------------------------|--------|--------------|------|---------------------|-----|-----------------------|
| 1UG/M3 BY METHOD TO15 | | TO-15 | | Analyst: RJP | | |
| Freon 12 | 2.0 | 0.74 | | ug/m3 | 1 | 8/28/2018 12:59:00 AM |
| Heptane | 72 | 5.7 | | ug/m3 | 9 | 8/28/2018 11:17:00 PM |
| Hexachloro-1,3-butadiene | < 1.6 | 1.6 | | ug/m3 | 1 | 8/28/2018 12:59:00 AM |
| Hexane | 89 | 95 | J | ug/m3 | 180 | 8/28/2018 11:54:00 PM |
| Isopropyl alcohol | 51 | 3.4 | | ug/m3 | 9 | 8/28/2018 11:17:00 PM |
| m&p-Xylene | 22 | 12 | | ug/m3 | 9 | 8/28/2018 11:17:00 PM |
| Methyl Butyl Ketone | < 1.2 | 1.2 | | ug/m3 | 1 | 8/28/2018 12:59:00 AM |
| Methyl Ethyl Ketone | 69 | 160 | J | ug/m3 | 180 | 8/28/2018 11:54:00 PM |
| Methyl Isobutyl Ketone | 16 | 11 | | ug/m3 | 9 | 8/28/2018 11:17:00 PM |
| Methyl tert-butyl ether | 28 | 5.0 | | ug/m3 | 9 | 8/28/2018 11:17:00 PM |
| Methylene chloride | 3.5 | 0.52 | | ug/m3 | 1 | 8/28/2018 12:59:00 AM |
| o-Xylene | 7.6 | 0.65 | | ug/m3 | 1 | 8/28/2018 12:59:00 AM |
| Propylene | < 0.26 | 0.26 | | ug/m3 | 1 | 8/28/2018 12:59:00 AM |
| Styrene | 21 | 6.0 | | ug/m3 | 9 | 8/28/2018 11:17:00 PM |
| Tetrachloroethylene | 2500 | 180 | | ug/m3 | 180 | 8/28/2018 11:54:00 PM |
| Tetrahydrofuran | < 0.44 | 0.44 | | ug/m3 | 1 | 8/28/2018 12:59:00 AM |
| Toluene | 430 | 100 | | ug/m3 | 180 | 8/28/2018 11:54:00 PM |
| trans-1,2-Dichloroethene | < 0.59 | 0.59 | | ug/m3 | 1 | 8/28/2018 12:59:00 AM |
| trans-1,3-Dichloropropene | < 0.68 | 0.68 | | ug/m3 | 1 | 8/28/2018 12:59:00 AM |
| Trichloroethene | 150 | 150 | | ug/m3 | 180 | 8/28/2018 11:54:00 PM |
| Vinyl acetate | < 0.53 | 0.53 | | ug/m3 | 1 | 8/28/2018 12:59:00 AM |
| Vinyl Bromide | < 0.66 | 0.66 | | ug/m3 | 1 | 8/28/2018 12:59:00 AM |
| Vinyl chloride | < 0.38 | 0.38 | | ug/m3 | 1 | 8/28/2018 12:59:00 AM |

| | | | | |
|--------------------|----|--|----|---|
| Qualifiers: | ** | Quantitation Limit | . | Results reported are not blank corrected |
| | B | Analyte detected in the associated Method Blank | E | Estimated Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limit |
| | JN | Non-routine analyte. Quantitation estimated. | ND | Not Detected at the Limit of Detection |
| | S | Spike Recovery outside accepted recovery limits | | |

Centek Laboratories, LLC

Date: 31-Aug-18

CLIENT: BE3/Panamerican
Lab Order: C1808061
Project: 31 Tonawanda St
Lab ID: C1808061-011A

Client Sample ID: 20180821-FD-1
Tag Number: 353,1170
Collection Date: 8/21/2018
Matrix: AIR

| Analyses | Result | **Limit | Qual | Units | DF | Date Analyzed |
|------------------------------|--------|---------|--------------|-------|---------------------|-----------------------|
| 1UG/M3 BY METHOD TO15 | | | TO-15 | | Analyst: RJP | |
| 1,1,1-Trichloroethane | 62 | 7.6 | | ug/m3 | 9 | 8/29/2018 12:34:00 AM |
| 1,1,2,2-Tetrachloroethane | < 1.0 | 1.0 | | ug/m3 | 1 | 8/28/2018 1:39:00 AM |
| 1,1,2-Trichloroethane | < 0.82 | 0.82 | | ug/m3 | 1 | 8/28/2018 1:39:00 AM |
| 1,1-Dichloroethane | < 0.61 | 0.61 | | ug/m3 | 1 | 8/28/2018 1:39:00 AM |
| 1,1-Dichloroethene | < 0.59 | 0.59 | | ug/m3 | 1 | 8/28/2018 1:39:00 AM |
| 1,2,4-Trichlorobenzene | < 1.1 | 1.1 | | ug/m3 | 1 | 8/28/2018 1:39:00 AM |
| 1,2,4-Trimethylbenzene | 9.7 | 0.74 | | ug/m3 | 1 | 8/28/2018 1:39:00 AM |
| 1,2-Dibromoethane | < 1.2 | 1.2 | | ug/m3 | 1 | 8/28/2018 1:39:00 AM |
| 1,2-Dichlorobenzene | < 0.90 | 0.90 | | ug/m3 | 1 | 8/28/2018 1:39:00 AM |
| 1,2-Dichloroethane | 2.4 | 0.61 | | ug/m3 | 1 | 8/28/2018 1:39:00 AM |
| 1,2-Dichloropropane | < 0.69 | 0.69 | | ug/m3 | 1 | 8/28/2018 1:39:00 AM |
| 1,3,5-Trimethylbenzene | 3.7 | 0.74 | | ug/m3 | 1 | 8/28/2018 1:39:00 AM |
| 1,3-butadiene | < 0.33 | 0.33 | | ug/m3 | 1 | 8/28/2018 1:39:00 AM |
| 1,3-Dichlorobenzene | < 0.90 | 0.90 | | ug/m3 | 1 | 8/28/2018 1:39:00 AM |
| 1,4-Dichlorobenzene | < 0.90 | 0.90 | | ug/m3 | 1 | 8/28/2018 1:39:00 AM |
| 1,4-Dioxane | 2.6 | 1.1 | | ug/m3 | 1 | 8/28/2018 1:39:00 AM |
| 2,2,4-trimethylpentane | 0.84 | 0.70 | | ug/m3 | 1 | 8/28/2018 1:39:00 AM |
| 4-ethyltoluene | 2.5 | 0.74 | | ug/m3 | 1 | 8/28/2018 1:39:00 AM |
| Acetone | 750 | 130 | | ug/m3 | 180 | 8/29/2018 1:11:00 AM |
| Allyl chloride | < 0.47 | 0.47 | | ug/m3 | 1 | 8/28/2018 1:39:00 AM |
| Benzene | 4.6 | 0.48 | | ug/m3 | 1 | 8/28/2018 1:39:00 AM |
| Benzyl chloride | < 0.86 | 0.86 | | ug/m3 | 1 | 8/28/2018 1:39:00 AM |
| Bromodichloromethane | < 1.0 | 1.0 | | ug/m3 | 1 | 8/28/2018 1:39:00 AM |
| Bromoform | < 1.6 | 1.6 | | ug/m3 | 1 | 8/28/2018 1:39:00 AM |
| Bromomethane | < 0.58 | 0.58 | | ug/m3 | 1 | 8/28/2018 1:39:00 AM |
| Carbon disulfide | 28 | 4.4 | | ug/m3 | 9 | 8/29/2018 12:34:00 AM |
| Carbon tetrachloride | < 0.94 | 0.94 | | ug/m3 | 1 | 8/28/2018 1:39:00 AM |
| Chlorobenzene | < 0.69 | 0.69 | | ug/m3 | 1 | 8/28/2018 1:39:00 AM |
| Chloroethane | < 0.40 | 0.40 | | ug/m3 | 1 | 8/28/2018 1:39:00 AM |
| Chloroform | 2.1 | 0.73 | | ug/m3 | 1 | 8/28/2018 1:39:00 AM |
| Chloromethane | 0.35 | 0.31 | | ug/m3 | 1 | 8/28/2018 1:39:00 AM |
| cis-1,2-Dichloroethene | < 0.59 | 0.59 | | ug/m3 | 1 | 8/28/2018 1:39:00 AM |
| cis-1,3-Dichloropropene | < 0.68 | 0.68 | | ug/m3 | 1 | 8/28/2018 1:39:00 AM |
| Cyclohexane | 220 | 93 | | ug/m3 | 180 | 8/29/2018 1:11:00 AM |
| Dibromochloromethane | < 1.3 | 1.3 | | ug/m3 | 1 | 8/28/2018 1:39:00 AM |
| Ethyl acetate | 7.2 | 0.54 | | ug/m3 | 1 | 8/28/2018 1:39:00 AM |
| Ethylbenzene | 10 | 6.1 | | ug/m3 | 9 | 8/29/2018 12:34:00 AM |
| Freon 11 | 4.3 | 0.84 | | ug/m3 | 1 | 8/28/2018 1:39:00 AM |
| Freon 113 | < 1.1 | 1.1 | | ug/m3 | 1 | 8/28/2018 1:39:00 AM |
| Freon 114 | < 1.0 | 1.0 | | ug/m3 | 1 | 8/28/2018 1:39:00 AM |

| | | | | |
|--------------------|----|--|----|---|
| Qualifiers: | ** | Quantitation Limit | . | Results reported are not blank corrected |
| | B | Analyte detected in the associated Method Blank | E | Estimated Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limit |
| | JN | Non-routine analyte. Quantitation estimated. | ND | Not Detected at the Limit of Detection |
| | S | Spike Recovery outside accepted recovery limits | | |

Centek Laboratories, LLC

Date: 31-Aug-18

CLIENT: BE3/Panamerican
Lab Order: C1808061
Project: 31 Tonawanda St
Lab ID: C1808061-011A

Client Sample ID: 20180821-FD-1
Tag Number: 353,1170
Collection Date: 8/21/2018
Matrix: AIR

| Analyses | Result | **Limit | Qual | Units | DF | Date Analyzed |
|------------------------------|--------|--------------|------|---------------------|-----|-----------------------|
| 1UG/M3 BY METHOD TO15 | | TO-15 | | Analyst: RJP | | |
| Freon 12 | 2.0 | 0.74 | | ug/m3 | 1 | 8/28/2018 1:39:00 AM |
| Heptane | 65 | 5.7 | | ug/m3 | 9 | 8/29/2018 12:34:00 AM |
| Hexachloro-1,3-butadiene | < 1.6 | 1.6 | | ug/m3 | 1 | 8/28/2018 1:39:00 AM |
| Hexane | 76 | 95 | J | ug/m3 | 180 | 8/29/2018 1:11:00 AM |
| Isopropyl alcohol | < 0.37 | 0.37 | | ug/m3 | 1 | 8/28/2018 1:39:00 AM |
| m&p-Xylene | 23 | 12 | | ug/m3 | 9 | 8/29/2018 12:34:00 AM |
| Methyl Butyl Ketone | < 1.2 | 1.2 | | ug/m3 | 1 | 8/28/2018 1:39:00 AM |
| Methyl Ethyl Ketone | 53 | 160 | J | ug/m3 | 180 | 8/29/2018 1:11:00 AM |
| Methyl Isobutyl Ketone | 25 | 11 | | ug/m3 | 9 | 8/29/2018 12:34:00 AM |
| Methyl tert-butyl ether | 24 | 5.0 | | ug/m3 | 9 | 8/29/2018 12:34:00 AM |
| Methylene chloride | 4.3 | 0.52 | | ug/m3 | 1 | 8/28/2018 1:39:00 AM |
| o-Xylene | 8.5 | 0.65 | | ug/m3 | 1 | 8/28/2018 1:39:00 AM |
| Propylene | < 0.26 | 0.26 | | ug/m3 | 1 | 8/28/2018 1:39:00 AM |
| Styrene | 18 | 6.0 | | ug/m3 | 9 | 8/29/2018 12:34:00 AM |
| Tetrachloroethylene | 2200 | 180 | | ug/m3 | 180 | 8/29/2018 1:11:00 AM |
| Tetrahydrofuran | < 0.44 | 0.44 | | ug/m3 | 1 | 8/28/2018 1:39:00 AM |
| Toluene | 380 | 100 | | ug/m3 | 180 | 8/29/2018 1:11:00 AM |
| trans-1,2-Dichloroethene | < 0.59 | 0.59 | | ug/m3 | 1 | 8/28/2018 1:39:00 AM |
| trans-1,3-Dichloropropene | < 0.68 | 0.68 | | ug/m3 | 1 | 8/28/2018 1:39:00 AM |
| Trichloroethene | 150 | 150 | | ug/m3 | 180 | 8/29/2018 1:11:00 AM |
| Vinyl acetate | < 0.53 | 0.53 | | ug/m3 | 1 | 8/28/2018 1:39:00 AM |
| Vinyl Bromide | < 0.66 | 0.66 | | ug/m3 | 1 | 8/28/2018 1:39:00 AM |
| Vinyl chloride | < 0.38 | 0.38 | | ug/m3 | 1 | 8/28/2018 1:39:00 AM |

| | | | | |
|--------------------|----|--|----|---|
| Qualifiers: | ** | Quantitation Limit | . | Results reported are not blank corrected |
| | B | Analyte detected in the associated Method Blank | E | Estimated Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limit |
| | JN | Non-routine analyte. Quantitation estimated. | ND | Not Detected at the Limit of Detection |
| | S | Spike Recovery outside accepted recovery limits | | |

Centek Laboratories, LLC

Date: 31-Aug-18

CLIENT: BE3/Panamerican
Lab Order: C1808061
Project: 31 Tonawanda St
Lab ID: C1808061-012A

Client Sample ID: SS-02
Tag Number: 546,337
Collection Date: 8/21/2018
Matrix: AIR

| Analyses | Result | **Limit | Qual | Units | DF | Date Analyzed |
|------------------------------|--------|---------|--------------|-------|---------------------|----------------------|
| 1UG/M3 BY METHOD TO15 | | | TO-15 | | Analyst: RJP | |
| 1,1,1-Trichloroethane | 350 | 150 | | ug/m3 | 180 | 8/29/2018 2:28:00 AM |
| 1,1,2,2-Tetrachloroethane | < 1.0 | 1.0 | | ug/m3 | 1 | 8/28/2018 2:19:00 AM |
| 1,1,2-Trichloroethane | < 0.82 | 0.82 | | ug/m3 | 1 | 8/28/2018 2:19:00 AM |
| 1,1-Dichloroethane | < 0.61 | 0.61 | | ug/m3 | 1 | 8/28/2018 2:19:00 AM |
| 1,1-Dichloroethene | < 0.59 | 0.59 | | ug/m3 | 1 | 8/28/2018 2:19:00 AM |
| 1,2,4-Trichlorobenzene | < 1.1 | 1.1 | | ug/m3 | 1 | 8/28/2018 2:19:00 AM |
| 1,2,4-Trimethylbenzene | 9.3 | 0.74 | | ug/m3 | 1 | 8/28/2018 2:19:00 AM |
| 1,2-Dibromoethane | < 1.2 | 1.2 | | ug/m3 | 1 | 8/28/2018 2:19:00 AM |
| 1,2-Dichlorobenzene | < 0.90 | 0.90 | | ug/m3 | 1 | 8/28/2018 2:19:00 AM |
| 1,2-Dichloroethane | 1.6 | 0.61 | | ug/m3 | 1 | 8/28/2018 2:19:00 AM |
| 1,2-Dichloropropane | < 0.69 | 0.69 | | ug/m3 | 1 | 8/28/2018 2:19:00 AM |
| 1,3,5-Trimethylbenzene | 3.3 | 0.74 | | ug/m3 | 1 | 8/28/2018 2:19:00 AM |
| 1,3-butadiene | < 0.33 | 0.33 | | ug/m3 | 1 | 8/28/2018 2:19:00 AM |
| 1,3-Dichlorobenzene | < 0.90 | 0.90 | | ug/m3 | 1 | 8/28/2018 2:19:00 AM |
| 1,4-Dichlorobenzene | < 0.90 | 0.90 | | ug/m3 | 1 | 8/28/2018 2:19:00 AM |
| 1,4-Dioxane | 5.4 | 1.1 | | ug/m3 | 1 | 8/28/2018 2:19:00 AM |
| 2,2,4-trimethylpentane | 1.8 | 0.70 | | ug/m3 | 1 | 8/28/2018 2:19:00 AM |
| 4-ethyltoluene | 2.4 | 0.74 | | ug/m3 | 1 | 8/28/2018 2:19:00 AM |
| Acetone | 1200 | 130 | | ug/m3 | 180 | 8/29/2018 2:28:00 AM |
| Allyl chloride | < 0.47 | 0.47 | | ug/m3 | 1 | 8/28/2018 2:19:00 AM |
| Benzene | 4.6 | 0.48 | | ug/m3 | 1 | 8/28/2018 2:19:00 AM |
| Benzyl chloride | < 0.86 | 0.86 | | ug/m3 | 1 | 8/28/2018 2:19:00 AM |
| Bromodichloromethane | < 1.0 | 1.0 | | ug/m3 | 1 | 8/28/2018 2:19:00 AM |
| Bromoform | < 1.6 | 1.6 | | ug/m3 | 1 | 8/28/2018 2:19:00 AM |
| Bromomethane | < 0.58 | 0.58 | | ug/m3 | 1 | 8/28/2018 2:19:00 AM |
| Carbon disulfide | 18 | 4.4 | | ug/m3 | 9 | 8/29/2018 1:51:00 AM |
| Carbon tetrachloride | < 0.94 | 0.94 | | ug/m3 | 1 | 8/28/2018 2:19:00 AM |
| Chlorobenzene | < 0.69 | 0.69 | | ug/m3 | 1 | 8/28/2018 2:19:00 AM |
| Chloroethane | < 0.40 | 0.40 | | ug/m3 | 1 | 8/28/2018 2:19:00 AM |
| Chloroform | 1.8 | 0.73 | | ug/m3 | 1 | 8/28/2018 2:19:00 AM |
| Chloromethane | 0.54 | 0.31 | | ug/m3 | 1 | 8/28/2018 2:19:00 AM |
| cis-1,2-Dichloroethene | 0.79 | 0.59 | | ug/m3 | 1 | 8/28/2018 2:19:00 AM |
| cis-1,3-Dichloropropene | < 0.68 | 0.68 | | ug/m3 | 1 | 8/28/2018 2:19:00 AM |
| Cyclohexane | 390 | 93 | | ug/m3 | 180 | 8/29/2018 2:28:00 AM |
| Dibromochloromethane | < 1.3 | 1.3 | | ug/m3 | 1 | 8/28/2018 2:19:00 AM |
| Ethyl acetate | 5.3 | 0.54 | | ug/m3 | 1 | 8/28/2018 2:19:00 AM |
| Ethylbenzene | 7.9 | 0.65 | | ug/m3 | 1 | 8/28/2018 2:19:00 AM |
| Freon 11 | 3.5 | 0.84 | | ug/m3 | 1 | 8/28/2018 2:19:00 AM |
| Freon 113 | < 1.1 | 1.1 | | ug/m3 | 1 | 8/28/2018 2:19:00 AM |
| Freon 114 | < 1.0 | 1.0 | | ug/m3 | 1 | 8/28/2018 2:19:00 AM |

| | | | | |
|--------------------|----|--|----|---|
| Qualifiers: | ** | Quantitation Limit | . | Results reported are not blank corrected |
| | B | Analyte detected in the associated Method Blank | E | Estimated Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limit |
| | JN | Non-routine analyte. Quantitation estimated. | ND | Not Detected at the Limit of Detection |
| | S | Spike Recovery outside accepted recovery limits | | |

Centek Laboratories, LLC

Date: 31-Aug-18

CLIENT: BE3/Panamerican
Lab Order: C1808061
Project: 31 Tonawanda St
Lab ID: C1808061-012A

Client Sample ID: SS-02
Tag Number: 546,337
Collection Date: 8/21/2018
Matrix: AIR

| Analyses | Result | **Limit | Qual | Units | DF | Date Analyzed |
|------------------------------|--------|---------|--------------|-------|-----|----------------------|
| 1UG/M3 BY METHOD TO15 | | | TO-15 | | | Analyst: RJP |
| Freon 12 | 2.4 | 0.74 | | ug/m3 | 1 | 8/28/2018 2:19:00 AM |
| Heptane | 39 | 5.7 | | ug/m3 | 9 | 8/29/2018 1:51:00 AM |
| Hexachloro-1,3-butadiene | < 1.6 | 1.6 | | ug/m3 | 1 | 8/28/2018 2:19:00 AM |
| Hexane | 150 | 95 | | ug/m3 | 180 | 8/29/2018 2:28:00 AM |
| Isopropyl alcohol | 650 | 66 | | ug/m3 | 180 | 8/29/2018 2:28:00 AM |
| m&p-Xylene | 17 | 1.3 | | ug/m3 | 1 | 8/28/2018 2:19:00 AM |
| Methyl Butyl Ketone | < 1.2 | 1.2 | | ug/m3 | 1 | 8/28/2018 2:19:00 AM |
| Methyl Ethyl Ketone | 110 | 160 | J | ug/m3 | 180 | 8/29/2018 2:28:00 AM |
| Methyl Isobutyl Ketone | 5.7 | 1.2 | | ug/m3 | 1 | 8/28/2018 2:19:00 AM |
| Methyl tert-butyl ether | 30 | 5.0 | | ug/m3 | 9 | 8/29/2018 1:51:00 AM |
| Methylene chloride | 2.6 | 0.52 | | ug/m3 | 1 | 8/28/2018 2:19:00 AM |
| o-Xylene | 5.8 | 0.65 | | ug/m3 | 1 | 8/28/2018 2:19:00 AM |
| Propylene | < 0.26 | 0.26 | | ug/m3 | 1 | 8/28/2018 2:19:00 AM |
| Styrene | 14 | 6.0 | | ug/m3 | 9 | 8/29/2018 1:51:00 AM |
| Tetrachloroethylene | 2900 | 180 | | ug/m3 | 180 | 8/29/2018 2:28:00 AM |
| Tetrahydrofuran | < 0.44 | 0.44 | | ug/m3 | 1 | 8/28/2018 2:19:00 AM |
| Toluene | 640 | 100 | | ug/m3 | 180 | 8/29/2018 2:28:00 AM |
| trans-1,2-Dichloroethene | 1.1 | 0.59 | | ug/m3 | 1 | 8/28/2018 2:19:00 AM |
| trans-1,3-Dichloropropene | < 0.68 | 0.68 | | ug/m3 | 1 | 8/28/2018 2:19:00 AM |
| Trichloroethene | 620 | 150 | | ug/m3 | 180 | 8/29/2018 2:28:00 AM |
| Vinyl acetate | < 0.53 | 0.53 | | ug/m3 | 1 | 8/28/2018 2:19:00 AM |
| Vinyl Bromide | < 0.66 | 0.66 | | ug/m3 | 1 | 8/28/2018 2:19:00 AM |
| Vinyl chloride | < 0.38 | 0.38 | | ug/m3 | 1 | 8/28/2018 2:19:00 AM |

| | | | | |
|--------------------|----|--|----|---|
| Qualifiers: | ** | Quantitation Limit | . | Results reported are not blank corrected |
| | B | Analyte detected in the associated Method Blank | E | Estimated Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limit |
| | JN | Non-routine analyte. Quantitation estimated. | ND | Not Detected at the Limit of Detection |
| | S | Spike Recovery outside accepted recovery limits | | |

Centek Laboratories, LLC

Date: 31-Aug-18

CLIENT: BE3/Panamerican
Lab Order: C1808061
Project: 31 Tonawanda St
Lab ID: C1808061-013A

Client Sample ID: SS-03
Tag Number: 237,309
Collection Date: 8/21/2018
Matrix: AIR

| Analyses | Result | **Limit | Qual | Units | DF | Date Analyzed |
|------------------------------|--------|---------|--------------|-------|---------------------|----------------------|
| 1UG/M3 BY METHOD TO15 | | | TO-15 | | Analyst: RJP | |
| 1,1,1-Trichloroethane | 1700 | 290 | | ug/m3 | 360 | 8/29/2018 8:21:00 AM |
| 1,1,2,2-Tetrachloroethane | < 1.0 | 1.0 | | ug/m3 | 1 | 8/28/2018 2:59:00 AM |
| 1,1,2-Trichloroethane | < 0.82 | 0.82 | | ug/m3 | 1 | 8/28/2018 2:59:00 AM |
| 1,1-Dichloroethane | < 0.61 | 0.61 | | ug/m3 | 1 | 8/28/2018 2:59:00 AM |
| 1,1-Dichloroethene | < 0.59 | 0.59 | | ug/m3 | 1 | 8/28/2018 2:59:00 AM |
| 1,2,4-Trichlorobenzene | < 1.1 | 1.1 | | ug/m3 | 1 | 8/28/2018 2:59:00 AM |
| 1,2,4-Trimethylbenzene | 8.6 | 0.74 | | ug/m3 | 1 | 8/28/2018 2:59:00 AM |
| 1,2-Dibromoethane | < 1.2 | 1.2 | | ug/m3 | 1 | 8/28/2018 2:59:00 AM |
| 1,2-Dichlorobenzene | < 0.90 | 0.90 | | ug/m3 | 1 | 8/28/2018 2:59:00 AM |
| 1,2-Dichloroethane | < 0.61 | 0.61 | | ug/m3 | 1 | 8/28/2018 2:59:00 AM |
| 1,2-Dichloropropane | < 0.69 | 0.69 | | ug/m3 | 1 | 8/28/2018 2:59:00 AM |
| 1,3,5-Trimethylbenzene | 3.0 | 0.74 | | ug/m3 | 1 | 8/28/2018 2:59:00 AM |
| 1,3-butadiene | < 0.33 | 0.33 | | ug/m3 | 1 | 8/28/2018 2:59:00 AM |
| 1,3-Dichlorobenzene | < 0.90 | 0.90 | | ug/m3 | 1 | 8/28/2018 2:59:00 AM |
| 1,4-Dichlorobenzene | < 0.90 | 0.90 | | ug/m3 | 1 | 8/28/2018 2:59:00 AM |
| 1,4-Dioxane | 3.0 | 1.1 | | ug/m3 | 1 | 8/28/2018 2:59:00 AM |
| 2,2,4-trimethylpentane | 3.5 | 0.70 | | ug/m3 | 1 | 8/28/2018 2:59:00 AM |
| 4-ethyltoluene | 2.2 | 0.74 | | ug/m3 | 1 | 8/28/2018 2:59:00 AM |
| Acetone | 140 | 260 | J | ug/m3 | 360 | 8/29/2018 8:21:00 AM |
| Allyl chloride | < 0.47 | 0.47 | | ug/m3 | 1 | 8/28/2018 2:59:00 AM |
| Benzene | < 0.48 | 0.48 | | ug/m3 | 1 | 8/28/2018 2:59:00 AM |
| Benzyl chloride | < 0.86 | 0.86 | | ug/m3 | 1 | 8/28/2018 2:59:00 AM |
| Bromodichloromethane | < 1.0 | 1.0 | | ug/m3 | 1 | 8/28/2018 2:59:00 AM |
| Bromoform | < 1.6 | 1.6 | | ug/m3 | 1 | 8/28/2018 2:59:00 AM |
| Bromomethane | < 0.58 | 0.58 | | ug/m3 | 1 | 8/28/2018 2:59:00 AM |
| Carbon disulfide | 31 | 4.4 | | ug/m3 | 9 | 8/29/2018 3:08:00 AM |
| Carbon tetrachloride | < 0.94 | 0.94 | | ug/m3 | 1 | 8/28/2018 2:59:00 AM |
| Chlorobenzene | < 0.69 | 0.69 | | ug/m3 | 1 | 8/28/2018 2:59:00 AM |
| Chloroethane | 0.66 | 0.40 | | ug/m3 | 1 | 8/28/2018 2:59:00 AM |
| Chloroform | 1.9 | 0.73 | | ug/m3 | 1 | 8/28/2018 2:59:00 AM |
| Chloromethane | 0.62 | 0.31 | | ug/m3 | 1 | 8/28/2018 2:59:00 AM |
| cis-1,2-Dichloroethene | < 0.59 | 0.59 | | ug/m3 | 1 | 8/28/2018 2:59:00 AM |
| cis-1,3-Dichloropropene | < 0.68 | 0.68 | | ug/m3 | 1 | 8/28/2018 2:59:00 AM |
| Cyclohexane | 560 | 93 | | ug/m3 | 180 | 8/29/2018 3:45:00 AM |
| Dibromochloromethane | < 1.3 | 1.3 | | ug/m3 | 1 | 8/28/2018 2:59:00 AM |
| Ethyl acetate | 11 | 5.0 | | ug/m3 | 9 | 8/29/2018 3:08:00 AM |
| Ethylbenzene | 8.2 | 6.1 | | ug/m3 | 9 | 8/29/2018 3:08:00 AM |
| Freon 11 | 2.4 | 0.84 | | ug/m3 | 1 | 8/28/2018 2:59:00 AM |
| Freon 113 | 480 | 210 | | ug/m3 | 180 | 8/29/2018 3:45:00 AM |
| Freon 114 | < 1.0 | 1.0 | | ug/m3 | 1 | 8/28/2018 2:59:00 AM |

| | | | | |
|--------------------|----|--|----|---|
| Qualifiers: | ** | Quantitation Limit | . | Results reported are not blank corrected |
| | B | Analyte detected in the associated Method Blank | E | Estimated Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limit |
| | JN | Non-routine analyte. Quantitation estimated. | ND | Not Detected at the Limit of Detection |
| | S | Spike Recovery outside accepted recovery limits | | |

Centek Laboratories, LLC

Date: 31-Aug-18

CLIENT: BE3/Panamerican
Lab Order: C1808061
Project: 31 Tonawanda St
Lab ID: C1808061-013A

Client Sample ID: SS-03
Tag Number: 237,309
Collection Date: 8/21/2018
Matrix: AIR

| Analyses | Result | **Limit | Qual | Units | DF | Date Analyzed |
|------------------------------|--------|--------------|------|---------------------|-----|----------------------|
| 1UG/M3 BY METHOD TO15 | | TO-15 | | Analyst: RJP | | |
| Freon 12 | 2.8 | 0.74 | | ug/m3 | 1 | 8/28/2018 2:59:00 AM |
| Heptane | 300 | 110 | | ug/m3 | 180 | 8/29/2018 3:45:00 AM |
| Hexachloro-1,3-butadiene | < 1.6 | 1.6 | | ug/m3 | 1 | 8/28/2018 2:59:00 AM |
| Hexane | 510 | 95 | | ug/m3 | 180 | 8/29/2018 3:45:00 AM |
| Isopropyl alcohol | 270 | 66 | | ug/m3 | 180 | 8/29/2018 3:45:00 AM |
| m&p-Xylene | 18 | 1.3 | | ug/m3 | 1 | 8/28/2018 2:59:00 AM |
| Methyl Butyl Ketone | < 1.2 | 1.2 | | ug/m3 | 1 | 8/28/2018 2:59:00 AM |
| Methyl Ethyl Ketone | 130 | 160 | J | ug/m3 | 180 | 8/29/2018 3:45:00 AM |
| Methyl Isobutyl Ketone | < 1.2 | 1.2 | | ug/m3 | 1 | 8/28/2018 2:59:00 AM |
| Methyl tert-butyl ether | < 0.54 | 0.54 | | ug/m3 | 1 | 8/28/2018 2:59:00 AM |
| Methylene chloride | 3.8 | 0.52 | | ug/m3 | 1 | 8/28/2018 2:59:00 AM |
| o-Xylene | 5.8 | 0.65 | | ug/m3 | 1 | 8/28/2018 2:59:00 AM |
| Propylene | < 0.26 | 0.26 | | ug/m3 | 1 | 8/28/2018 2:59:00 AM |
| Styrene | 13 | 6.0 | | ug/m3 | 9 | 8/29/2018 3:08:00 AM |
| Tetrachloroethylene | 2100 | 370 | | ug/m3 | 360 | 8/29/2018 8:21:00 AM |
| Tetrahydrofuran | < 0.44 | 0.44 | | ug/m3 | 1 | 8/28/2018 2:59:00 AM |
| Toluene | 790 | 100 | | ug/m3 | 180 | 8/29/2018 3:45:00 AM |
| trans-1,2-Dichloroethene | < 0.59 | 0.59 | | ug/m3 | 1 | 8/28/2018 2:59:00 AM |
| trans-1,3-Dichloropropene | < 0.68 | 0.68 | | ug/m3 | 1 | 8/28/2018 2:59:00 AM |
| Trichloroethene | 650 | 150 | | ug/m3 | 180 | 8/29/2018 3:45:00 AM |
| Vinyl acetate | < 0.53 | 0.53 | | ug/m3 | 1 | 8/28/2018 2:59:00 AM |
| Vinyl Bromide | < 0.66 | 0.66 | | ug/m3 | 1 | 8/28/2018 2:59:00 AM |
| Vinyl chloride | < 0.38 | 0.38 | | ug/m3 | 1 | 8/28/2018 2:59:00 AM |

| | | | | |
|--------------------|----|--|----|---|
| Qualifiers: | ** | Quantitation Limit | . | Results reported are not blank corrected |
| | B | Analyte detected in the associated Method Blank | E | Estimated Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limit |
| | JN | Non-routine analyte. Quantitation estimated. | ND | Not Detected at the Limit of Detection |
| | S | Spike Recovery outside accepted recovery limits | | |

Centek Laboratories, LLC

Date: 31-Aug-18

CLIENT: BE3/Panamerican
Lab Order: C1808061
Project: 31 Tonawanda St
Lab ID: C1808061-014A

Client Sample ID: IA-02
Tag Number: 325,384
Collection Date: 8/21/2018
Matrix: AIR

| Analyses | Result | **Limit | Qual | Units | DF | Date Analyzed |
|--|--------|--------------|------|--------------|----|-----------------------|
| 1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE | | TO-15 | | Analyst: RJP | | |
| 1,1,1-Trichloroethane | 9.2 | 0.82 | | ug/m3 | 1 | 8/27/2018 10:19:00 PM |
| 1,1,2,2-Tetrachloroethane | < 1.0 | 1.0 | | ug/m3 | 1 | 8/27/2018 10:19:00 PM |
| 1,1,2-Trichloroethane | < 0.82 | 0.82 | | ug/m3 | 1 | 8/27/2018 10:19:00 PM |
| 1,1-Dichloroethane | < 0.61 | 0.61 | | ug/m3 | 1 | 8/27/2018 10:19:00 PM |
| 1,1-Dichloroethene | < 0.16 | 0.16 | | ug/m3 | 1 | 8/27/2018 10:19:00 PM |
| 1,2,4-Trichlorobenzene | < 1.1 | 1.1 | | ug/m3 | 1 | 8/27/2018 10:19:00 PM |
| 1,2,4-Trimethylbenzene | 2.4 | 0.74 | | ug/m3 | 1 | 8/27/2018 10:19:00 PM |
| 1,2-Dibromoethane | < 1.2 | 1.2 | | ug/m3 | 1 | 8/27/2018 10:19:00 PM |
| 1,2-Dichlorobenzene | < 0.90 | 0.90 | | ug/m3 | 1 | 8/27/2018 10:19:00 PM |
| 1,2-Dichloroethane | < 0.61 | 0.61 | | ug/m3 | 1 | 8/27/2018 10:19:00 PM |
| 1,2-Dichloropropane | < 0.69 | 0.69 | | ug/m3 | 1 | 8/27/2018 10:19:00 PM |
| 1,3,5-Trimethylbenzene | 0.88 | 0.74 | | ug/m3 | 1 | 8/27/2018 10:19:00 PM |
| 1,3-butadiene | < 0.33 | 0.33 | | ug/m3 | 1 | 8/27/2018 10:19:00 PM |
| 1,3-Dichlorobenzene | < 0.90 | 0.90 | | ug/m3 | 1 | 8/27/2018 10:19:00 PM |
| 1,4-Dichlorobenzene | < 0.90 | 0.90 | | ug/m3 | 1 | 8/27/2018 10:19:00 PM |
| 1,4-Dioxane | < 1.1 | 1.1 | | ug/m3 | 1 | 8/27/2018 10:19:00 PM |
| 2,2,4-trimethylpentane | 1.4 | 0.70 | | ug/m3 | 1 | 8/27/2018 10:19:00 PM |
| 4-ethyltoluene | 0.54 | 0.74 | J | ug/m3 | 1 | 8/27/2018 10:19:00 PM |
| Acetone | 17 | 7.1 | | ug/m3 | 10 | 8/28/2018 7:34:00 PM |
| Allyl chloride | < 0.47 | 0.47 | | ug/m3 | 1 | 8/27/2018 10:19:00 PM |
| Benzene | 2.3 | 0.48 | | ug/m3 | 1 | 8/27/2018 10:19:00 PM |
| Benzyl chloride | < 0.86 | 0.86 | | ug/m3 | 1 | 8/27/2018 10:19:00 PM |
| Bromodichloromethane | < 1.0 | 1.0 | | ug/m3 | 1 | 8/27/2018 10:19:00 PM |
| Bromoform | < 1.6 | 1.6 | | ug/m3 | 1 | 8/27/2018 10:19:00 PM |
| Bromomethane | < 0.58 | 0.58 | | ug/m3 | 1 | 8/27/2018 10:19:00 PM |
| Carbon disulfide | < 0.47 | 0.47 | | ug/m3 | 1 | 8/27/2018 10:19:00 PM |
| Carbon tetrachloride | < 0.19 | 0.19 | | ug/m3 | 1 | 8/27/2018 10:19:00 PM |
| Chlorobenzene | < 0.69 | 0.69 | | ug/m3 | 1 | 8/27/2018 10:19:00 PM |
| Chloroethane | < 0.40 | 0.40 | | ug/m3 | 1 | 8/27/2018 10:19:00 PM |
| Chloroform | < 0.73 | 0.73 | | ug/m3 | 1 | 8/27/2018 10:19:00 PM |
| Chloromethane | 0.81 | 0.31 | | ug/m3 | 1 | 8/27/2018 10:19:00 PM |
| cis-1,2-Dichloroethene | < 0.16 | 0.16 | | ug/m3 | 1 | 8/27/2018 10:19:00 PM |
| cis-1,3-Dichloropropene | < 0.68 | 0.68 | | ug/m3 | 1 | 8/27/2018 10:19:00 PM |
| Cyclohexane | 0.79 | 0.52 | | ug/m3 | 1 | 8/27/2018 10:19:00 PM |
| Dibromochloromethane | < 1.3 | 1.3 | | ug/m3 | 1 | 8/27/2018 10:19:00 PM |
| Ethyl acetate | < 0.54 | 0.54 | | ug/m3 | 1 | 8/27/2018 10:19:00 PM |
| Ethylbenzene | 2.3 | 0.65 | | ug/m3 | 1 | 8/27/2018 10:19:00 PM |
| Freon 11 | 4.3 | 0.84 | | ug/m3 | 1 | 8/27/2018 10:19:00 PM |
| Freon 113 | < 1.1 | 1.1 | | ug/m3 | 1 | 8/27/2018 10:19:00 PM |
| Freon 114 | < 1.0 | 1.0 | | ug/m3 | 1 | 8/27/2018 10:19:00 PM |

| | | | | |
|--------------------|----|--|----|---|
| Qualifiers: | ** | Quantitation Limit | . | Results reported are not blank corrected |
| | B | Analyte detected in the associated Method Blank | E | Estimated Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limit |
| | JN | Non-routine analyte. Quantitation estimated. | ND | Not Detected at the Limit of Detection |
| | S | Spike Recovery outside accepted recovery limits | | |

Centek Laboratories, LLC

Date: 31-Aug-18

CLIENT: BE3/Panamerican
Lab Order: C1808061
Project: 31 Tonawanda St
Lab ID: C1808061-014A

Client Sample ID: IA-02
Tag Number: 325,384
Collection Date: 8/21/2018
Matrix: AIR

| Analyses | Result | **Limit | Qual | Units | DF | Date Analyzed |
|--|--------|--------------|------|--------------|----|-----------------------|
| 1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE | | TO-15 | | Analyst: RJP | | |
| Freon 12 | 2.1 | 0.74 | | ug/m3 | 1 | 8/27/2018 10:19:00 PM |
| Heptane | 2.0 | 0.61 | | ug/m3 | 1 | 8/27/2018 10:19:00 PM |
| Hexachloro-1,3-butadiene | < 1.6 | 1.6 | | ug/m3 | 1 | 8/27/2018 10:19:00 PM |
| Hexane | 6.6 | 0.53 | | ug/m3 | 1 | 8/27/2018 10:19:00 PM |
| Isopropyl alcohol | 6.1 | 3.7 | | ug/m3 | 10 | 8/28/2018 7:34:00 PM |
| m&p-Xylene | 8.4 | 1.3 | | ug/m3 | 1 | 8/27/2018 10:19:00 PM |
| Methyl Butyl Ketone | < 1.2 | 1.2 | | ug/m3 | 1 | 8/27/2018 10:19:00 PM |
| Methyl Ethyl Ketone | 2.9 | 0.88 | | ug/m3 | 1 | 8/27/2018 10:19:00 PM |
| Methyl Isobutyl Ketone | 0.66 | 1.2 | J | ug/m3 | 1 | 8/27/2018 10:19:00 PM |
| Methyl tert-butyl ether | < 0.54 | 0.54 | | ug/m3 | 1 | 8/27/2018 10:19:00 PM |
| Methylene chloride | 0.63 | 0.52 | | ug/m3 | 1 | 8/27/2018 10:19:00 PM |
| o-Xylene | 2.6 | 0.65 | | ug/m3 | 1 | 8/27/2018 10:19:00 PM |
| Propylene | < 0.26 | 0.26 | | ug/m3 | 1 | 8/27/2018 10:19:00 PM |
| Styrene | < 0.64 | 0.64 | | ug/m3 | 1 | 8/27/2018 10:19:00 PM |
| Tetrachloroethylene | < 1.0 | 1.0 | | ug/m3 | 1 | 8/27/2018 10:19:00 PM |
| Tetrahydrofuran | < 0.44 | 0.44 | | ug/m3 | 1 | 8/27/2018 10:19:00 PM |
| Toluene | 38 | 5.7 | | ug/m3 | 10 | 8/28/2018 7:34:00 PM |
| trans-1,2-Dichloroethene | 0.71 | 0.59 | | ug/m3 | 1 | 8/27/2018 10:19:00 PM |
| trans-1,3-Dichloropropene | < 0.68 | 0.68 | | ug/m3 | 1 | 8/27/2018 10:19:00 PM |
| Trichloroethene | 9.0 | 0.16 | | ug/m3 | 1 | 8/27/2018 10:19:00 PM |
| Vinyl acetate | < 0.53 | 0.53 | | ug/m3 | 1 | 8/27/2018 10:19:00 PM |
| Vinyl Bromide | < 0.66 | 0.66 | | ug/m3 | 1 | 8/27/2018 10:19:00 PM |
| Vinyl chloride | < 0.10 | 0.10 | | ug/m3 | 1 | 8/27/2018 10:19:00 PM |

| | | | | |
|--------------------|----|--|----|---|
| Qualifiers: | ** | Quantitation Limit | . | Results reported are not blank corrected |
| | B | Analyte detected in the associated Method Blank | E | Estimated Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limit |
| | JN | Non-routine analyte. Quantitation estimated. | ND | Not Detected at the Limit of Detection |
| | S | Spike Recovery outside accepted recovery limits | | |

DATA USABILITY SUMMARY REPORT (DUSR)

**Tonawanda St.
Buffalo, NY
NYSDEC BCP # C915299**

SDG: 183775
10 soil samples

Prepared for:

**BE3/Panamerican
1270 Niagara Street
Buffalo, NY 14213**

September 2018



Environmental Data Usability 10028 Deer Park Dr. Dansville, NY 14437 565.991.9156

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| 2.0 INTRODUCTION | 1 |
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| 4.0 GUIDANCE DOCUMENTS AND DATA REVIEW CRITERIA | 2 |
| 5.0 DATA VALIDATION QUALIFIERS | 3 |
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| | |
|-------------------|------------------------------|
| APPENDIX A | Validated Analytical Results |
| APPENDIX B | Laboratory QC Documentation |
| APPENDIX C | Validator Qualifications |

Tables

| | |
|-----------|--|
| Table 4-1 | Data Validation Guidance Documents |
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Summaries of Validated Results

| | |
|-----------|--------|
| Table 6-1 | VOCs |
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| Table 6-4 | Pests |
| Table 6-5 | Metals |
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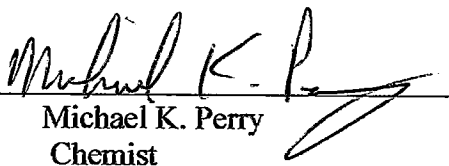
REVIEWER'S NARRATIVE
SDG 183775

The data associated with this Sample Delivery Group (SDG) 183775, analyzed by Paradigm Environmental Services, Inc. Rochester, NY have been reviewed in accordance with assessment criteria provided by the New York State Department of Environmental Conservation following the review procedures provided in the USEPA Functional Guidelines for evaluating organic and inorganic data.

All analytical results reported by the laboratory are considered valid and acceptable except results that have been qualified as rejected, "R". Results qualified as estimated "J", or as non-detects, "U", are considered usable for the purpose of evaluating water and/or soil quality. However, these qualifiers indicate that the accuracy and/or precision of the analytical result is questionable. A summary of all data that have been qualified and the reasons for qualification are provided in the following data usability summary report (DUSR).

Two facts should be noted by all data users. First, the "R" qualifier means that the associated value is unusable. In other words, due to significant quality control (QC) problems, the analysis is invalid and provides no information as to whether the analyte is present or not. Values qualified with an "R" should not appear on the final data tables because they cannot be relied upon, even as the last resort. Second, no analyte concentration, even if it has passed all QC tests, is guaranteed to be accurate. Strict QC serves to increase confidence in data, but any value potentially contains error.

Reviewer's Signature: _____


Michael K. Perry
Chemist

Date: _____

9/25/18

1.0 SUMMARY

SITE: 31 Tonawanda St.
Buffalo, NY

SAMPLING DATE: August 16, 2018

SAMPLE TYPE: 10 soil samples

LABORATORY: Paradigm Environmental Services, Inc.
Rochester, NY

SDG No.: 183775

2.0 INTRODUCTION

This data usability summary report (DUSR) was prepared in accordance with guidance provided by the New York State Department of Environmental Conservation (NYSDEC). The DUSR is based on a review and evaluation of the laboratory analytical data package. Specifically, the NYSDEC guidance recommends review and evaluation of the following elements of the data package:

- Completeness of the data package as defined under the requirements of the NYSDEC Analytical Services Protocols (ASP) Category B or the United States Environmental Protection Agency (USEPA) Contract Laboratory Program (CLP) deliverables,
- Compliance with established analyte holding times,
- Adherence to quality control (QC) limits and specifications for blanks, instrument tuning and calibration, surrogate recoveries, spike recoveries, laboratory duplicate analyses, and other QC criteria,
- Adherence to established analytical protocols,
- Conformance of data summary sheets with raw analytical data, and
- Use of correct data qualifiers.

Data deficiencies, analytical protocol deviations, and quality control problems identified using the review criteria above and their effect on the analytical results are discussed in this report.

3.0 SAMPLE AND ANALYSIS SUMMARY

The data package consists of analytical results for ten soil samples collected on August 16, 2018. These samples were analyzed for Part 375 Volatile Organic Compounds, Semi-volatile Organic Compounds, PCBs, Pesticides, TCN, and Metals.

All analyses were performed by Paradigm Environmental Services, Inc., Rochester, NY and analyzed as SDG 183775 except the ICP Metals were performed by ALPHA Analytical, Westborough, MA and analyzed as SDG L1833823. The analytical results were provided in NYSDEC ASP Category B format, which includes all raw analytical data and laboratory QC data.

4.0 GUIDANCE DOCUMENTS AND DATA REVIEW CRITERIA

The guidance documents used for reviewing laboratory quality control (QC) data and assigning data qualifiers (flags) to analytical results are listed in Table 4-1. The QC limits established in the documents applicable to this data review were used to assess the quality of the analytical results. In some cases, however, QC limits established internally by the laboratory were taken into account to determine data quality.

The QC criteria considered for assessing the usability of the reported analytical results provided for each analyte type (i.e. VOCs, SVOCs, metals, etc.) are listed in Table 4-2. These criteria may vary with the analytical method utilized by the laboratory. These criteria comply with the guidance recommended in Section 2.0 above.

5.0 DATA VALIDATION QUALIFIERS

The letter qualifiers (flags) used to define data usability are described briefly below. These letters are assigned by the data validator to analytical results having questionable accuracy and/or precision as determined by reviewing the laboratory QC data associated with the analytical results.

TABLE 4-1

DATA VALIDATION GUIDANCE DOCUMENTS

| Analyte Type | Validation Guidance |
|-----------------------|--|
| VOCs | USEPA, 2008, Validating Volatile Organic Compounds By Gas Chromatography/Mass Spectrometry; SW-846 Method 8260B; SOP # HW-24, Rev. 2. USEPA, 2008, Statement of Work for Organic Analysis of Low/Medium Concentration of Volatile Organic Compounds SOM01.2; SOP HW-33, Rev. 2. |
| SVOCs | USEPA, 2007, Statement of Work for Organic Analysis of Low/Medium Concentration of Semivolatile Organic Compounds SOM01.2; SOP HW-35, Rev. 1. |
| Pesticides/PCBs | USEPA, 2006, CLP Organics Data Review and Preliminary Review (CLP/SOW OLMO 4.3); SOP # HW-6, Rev. 14, Part C. |
| Metals | USEPA, 2006, Validation of Metals for the Contract Laboratory Program (CLP) based on SOW ILMO 5.3 (SOP Revision 13), SOP # HW-2, Rev. 13. |
| Gen Chemistry | NYSDEC, 2005, Analytical Services Protocols (ASP) |
| VOCs (Ambient air) | USEPA, 2006, Validating Air Samples, Volatile Organic Analysis of Ambient Air in Canister by Method TO-15; SOP # HW-31, Rev. 4. |

TABLE 4-2

**QUALITY CONTROL CRITERIA USED FOR VALIDATING
LABORATORY ANALYTICAL DATA**

| VOCs | SVOCs | Pesticides/PCBs | Metals | Gen Chemistry | Method TO-15 |
|---|---|---|--|--|---|
| Completeness of Pkg Sample Condition Holding Time System Monitoring Compounds Lab Control Sample Matrix Spikes Blanks Instrument Tuning Internal Standards Initial Calibration Continuing Calibration Lab Qualifiers Field Duplicate | Completeness of Pkg Sample Condition Holding Time Surrogate Recoveries Lab Control Sample Matrix Spikes Blanks Instrument Tuning Internal Standards Initial Calibration Continuing Calibration Lab Qualifiers Field Duplicate | Completeness of Pkg Sample Condition Holding Time Surrogate Recoveries Matrix Spikes Blanks Instrument Calibration & Verification Analyte ID Lab Qualifiers Field Duplicate | Completeness of Pkg Sample Condition Holding Time Initial/Continuing Calibration CRDL Standards Blanks Interference Check Sample Spike Recoveries Lab Duplicate Lab Control Sample ICP Serial Dilutions Lab Qualifiers Field Duplicate | Completeness of Pkg Sample Condition Holding Times Calibration Lab Control Samples Blanks Spike Recoveries Lab Duplicates | Completeness of Pkg Sample Condition Holding Time Canister Certification Lab Control Sample Instrument Tuning Blanks Initial Calibration & System Performance Daily Calibration Field Duplicate |

The laboratory may also use various letters and symbols to flag analytical results generated when QC limits were exceeded. The meanings of these flags may differ from those used by the independent data validator. Those used by the laboratory are provided with the analytical results.

NOTE: The assignment of data qualifiers by the data reviewer (validator) to laboratory analytical results should not necessarily be interpreted by the data user as a measure of laboratory ability or proficiency. Rather, the qualifiers are intended to provide a measure of data accuracy and precision to the data user, which, for example, may provide a level of confidence in determining whether or not standards or cleanup objectives have been met.

- U** The analyte was analyzed for but was not detected at or above the sample quantitation limit.
- J** The analyte was positively identified; the associated numerical value is the *approximate* concentration of the analyte in the sample. (The magnitude of any \pm value associated with the result is not determined by data validation).
- UJ** The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is *approximate* and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
- R** The sample result is rejected (i.e., is unusable) due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.
- N** The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification".
- JN** The analyte is considered to be "presumptively present." The associated numerical value represents its *approximate* concentration.

The validated analytical results are attached to this report. Validation qualifiers (flags) are indicated using red ink. Data sheets having qualified data are signed and dated by the data reviewer.

6.0 RESULTS OF THE DATA REVIEW

The results of the data review are summarized in Tables 6-1 through 6-6. The tables list the samples where QC criteria were found to exceed acceptable limits and the actions taken to qualify the associated analytical results.

7.0 TOTAL USABLE DATA

For SDG 183775, ten samples were analyzed and results were reported for 1587 analytes. Six results were rejected. Even though some results were flagged with a "J" as estimated, all other results (99.6%) are considered usable. See the summary table for the analyses that have been rejected and the associated QC reasons.

NOTE: 1) As noted by the laboratory, the soil samples were not collected following SW846 5035A protocol. This adds an element of uncertainty to the analytical results for volatile organic analytes (VOAs). Although not specifically indicated on the final data sheets with a "J" flag, the VOA analytical results should be considered estimated, but usable.

NOTE: 2) The data packages for this project contained no laboratory QC data for the CRDL standard for metals (Form 2B) and the Serial Dilutions of metals (Form 8). Therefore, no evaluation of the CRDL recoveries and the serial dilution results were performed by this data reviewer and no data were qualified as a result.

Table 6-1 VOCs

| SAMPLES AFFECTED | ANALYTES | ACTION | QC VIOLATION | COMMENTS |
|---|--|----------------------------|------------------------|-----------------------------|
| BH-6 (4-6) | All Analytes | UJ non-detect J detects | Td8 and BFB < QC limit | Results may be biased low |
| BH-3S (12-13.5) | All Analytes | J detects | BFB > QC limit | Results may be biased high |
| BH-6 (4-6) | 1,2,3-Trichlorobenzene 1,2,4-Trichlorobenzene DBCP 1,2-Dichlorobenzene 1,3-Dichlorobenzene 1,4-Dichlorobenzene Naphthalene n-Butylbenzene | UJ non-detect J detects | IS#3 area < 50 % | Results may be biased low |
| BH-2 (13.5-15) | 1,2-Dichlorobenzene 1,4-Dichlorobenzene Benzene Chloroform Ethylbenzene | UJ non-detect J detects | LCS < QC limit | Results may be biased low |
| BH-6 (4-6) BH-2 (19-20) BH-2 (13.5-15) BH-3S (12-13.5) BH-5 (4-6) BH-4 (11.5-12) | 1,4-Dioxane | R non-detects J detects | CCV RF < 0.005 | Non-detect data is unusable |

Table 6-2 SVOCs

| SAMPLES AFFECTED | ANALYTES | ACTION | QC VIOLATION | COMMENTS |
|---|-----------------|----------------------------|--|-------------------------------------|
| BH-6 (4-6) BH-2 (13.5-15) BH-3S (12-13.5) BH-5 (4-6) | All Analytes | UJ non-detect J detects | All surrogate recoveries < QC limit | Results may be biased low |
| All samples | TICs @ RT: 4.59 | < 5X blank value TIC-R | Tentatively Identified Compounds were detected in the method blank | TICs were rejected |
| All samples | Atrazine | UJ non-detects | Three point ICAL | Data should be considered estimated |

Table 6-3 Pesticides

| SAMPLES AFFECTED | ANALYTES | ACTION | QC VIOLATION | COMMENTS |
|-------------------------------|--|----------------------------|---|--------------------------------|
| BH-2 (0-3) | All Analytes | none | All surrogate recoveries diluted out | No determination could be made |
| BH-6 (4-6) BH-3S (12-13.5) | All Analytes | UJ non-detect J detects | All surrogate recoveries < QC limit | Results may be biased low |
| BH-6 (4-6) | 4,4'-DDT b-BHC Endosulfan Sulfate Endrin Ketone | J CRQL-U JN J | >25 % D between dual column analysis | Matrix suspected interference |

SDG 183775

| | | | | |
|-----------------|---|---|---|-------------------------------|
| BH-1 (0-3) | 4,4'-DDT Dieldrin Endosulfan Sulfate Endrin Heptachlor Epoxide | J JN JN J JN | >25 % D between dual column analysis | Matrix suspected interference |
| BH-3S (12-13.5) | Methoxychlor | J | >25 % D between dual column analysis | Matrix suspected interference |
| BH-5 (4-6) | 4,4'-DDD cis-Chlordane Dieldrin Endosulfan II Endosulfan Sulfate Endrin Aldehyde | J J CRQL-U J J J | >25 % D between dual column analysis | Matrix suspected interference |
| BH-4 (0-1) | Methoxychlor | JN | >25 % D between dual column analysis | Matrix suspected interference |
| BH-5 (0-2) | cis-Chlordane Dieldrin Endosulfan Sulfate Endrin Aldehyde Endrin Ketone Methoxychlor | J JN CRQL-U CRQL-U CRQL-U JN | >25 % D between dual column analysis | Matrix suspected interference |
| BH-6 (0-2) | 4,4'-DDD 4,4'-DDE cis-Chlordane Methoxychlor | J J JN CRQL-U | >25 % D between dual column analysis | Matrix suspected interference |

Table 6-4 PCBs

| SAMPLES AFFECTED | ANALYTES | ACTION | QC VIOLATION | COMMENTS |
|-----------------------------|-----------------|----------------------------|---|--|
| BH-3S (12-13.5) | All Analytes | UJ non-detect J detects | All surrogate recoveries < QC limit | Results may be biased low |
| All samples | All | J detects | No 2 nd column confirmation | Detects should be considered estimated |

Table 6-5 Part 375 Metals

| SAMPLES AFFECTED | ANALYTES | ACTION | QC VIOLATION | COMMENTS |
|-----------------------------|-----------------|---------------|---------------------|-------------------------------------|
| BH-6 (0-2) | Mercury | J detects | MS < 75 % | Data should be considered estimated |

Table 6-6 TCN

| SAMPLES AFFECTED | ANALYTES | ACTION | QC VIOLATION | COMMENTS |
|-----------------------------|-----------------|---------------|---------------------|-----------------|
| none | | | none | |

ACRONYMS

| | |
|--------|--------------------------------------|
| BSP | Blank Spike |
| CCAL | Continuing Calibration |
| CCB | Continuing Calibration Blank |
| CCV | Continuing Calibration Verification |
| CRDL | Contract Required Detection Limit |
| CRQL | Contract Required Quantitation Limit |
| %D | Percent Difference |
| ICAL | Initial Calibration |
| ICB | Initial Calibration Blank |
| IS | Internal Standard |
| LCS | Laboratory Control Sample |
| MS/MSD | Matrix Spike/Matrix Spike Duplicate |
| QA | Quality Assurance |
| QC | Quality Control |
| %R | Percent recovery |
| RPD | Relative Percent Difference |
| RRF | Relative Response Factor |
| %RSD | Percent Relative Standard Deviation |
| TAL | Target Analyte List (metals) |
| TCL | Target Compound List (organics) |

Appendix A

Validated Analytical Results

LAB PROJECT NARRATIVE: 183775
PROJECT NAME: 31 + 150 Tonawanda St.
SDG: 3775-01
CLIENT: BE3

Ten Soil Samples were collected by the client on August 16, 2018 and received at the Paradigm laboratory on August 17, 2018. Container and holding times were acceptable at time of receipt; the samples were received at 4° Centigrade and were on ice. The samples were submitted for the Part 375 list for VOCs, SVOCs, PCBs, Pesticides, TCN, and Metals. TICs were requested on the VOCs and the SVOCs. All analyses were performed using EPA SW-846 Methods and the associated holding times.

The items noted in this case narrative address compliance with the referenced methods, NYSDOH ELAP rules, and any project specific data quality requirements. These may be different from the usability criteria referenced in any "Functional Guidelines" or other data review standards used by data validators.

GENERAL NOTES

ALL ANALYSES

The initial and continuing calibration reports are only evaluated for compounds that are on the sample summary report.

Regarding results on QC summary forms versus included raw data, due to calculations made at the instrument where many significant figures may be used, there may be slight discrepancies between the summary report result and that recorded on the raw data. This does not affect data usability.

VOLATILES AND SEMIVOLATILES

Regarding initial calibrations, it should be noted that the Quantitation Report concentrations supplied for the initial calibration reflect the calibration prior to updating. The response factors and areas are correct.

Regarding Quantitation Reports, it should be noted that the "#" symbol that appears on some of the Quantitation Reports is a software artifact and should be disregarded.

VOLATILES

The samples were not sampled per EPA method 5035A compliance rules. Thus, an extra note has been added to all VOC reports.

Holding times were met for all samples.

All surrogate recoveries for the samples and associated QC were within acceptance limits, except 4-Bromofluorobenzene and Toluene-d8 were out low in sample BH-6 (4-6), and Toluene-d8 was out high in BH-3S (12-13.5). These outliers have been flagged with an "*" on the QC Summary Table and the Sample Reports accordingly. Matrix interference is suspected.

Site specific QC was not requested on this SDG. The Laboratory Control Samples recovered within acceptance limits, except for several compounds outside limits for QC batch voaw180829. This batch was for the high-level analysis of sample BH-2 (13.5-15). The outliers have been flagged with an "*" on

the QC Summary Form and "L" on the sample report. The original summary report on September 4, 2018 did not have the required "L" flags. Matrix interference is suspected.

The Method Blanks were free from contamination within the reportable ranges, except an Unknown compound found on the TIC analysis at Retention Time 13.4 in water blank for BH-2 (13.5-15). This compound has been flagged with a "B" accordingly on the sample reports.

The instrument tunes passed all criteria.

All internal standards areas and retention times were within acceptance limits for the samples and associated QC, except the area for IS#3 was out low in Laboratory Number 183775-01. This was flagged with an "*" on the RT Summary (Form 8). The sample was repeated to confirm the results and the raw data for the confirmation has been supplied after the raw data from the reported results. Matrix interference is suspected. No further evaluation of this data has been made.

All data for the initial calibration was within acceptance limits. Compounds flagged with an "*" on the summary table have been calibrated using a non-average Response Factor calibration curve. The supporting curves are located after the initial calibration table.

All continuing calibration data for the reported analytes was within acceptance limits.

SEMI-VOLATILES

Holding times were met for all samples.

All surrogate recoveries for the associated QC were within acceptance limits. As it regards the samples; several surrogates were out (refer to QC summary for specifics). The outliers have been flagged with an "*" on the QC Summary Table and the sample reports accordingly. Matrix interference is suspected.

Site specific QC was not requested on this SDG. The Laboratory Control Sample recovered within acceptance limits.

The Method Blanks were free from contamination within the reportable ranges, except an Unknown compound found on the TIC analysis at Retention Time 4.593. This compound has been flagged with a "B" accordingly on the sample reports. No further action was taken

The instrument tunes passed all criteria.

The internal standards areas and retention times were within acceptance ranges.

All data for the initial calibrations was within acceptance limits. Compounds flagged with an "*" on the summary table have been calibrated using a non-average Response Factor calibration curve. The supporting curves are located after the initial calibration table.

All continuing calibration data for the reported analytes was within acceptance limits, except Hexachlorocyclopentadiene, Atrazine and Pentachlorophenol were out low in CCV 180822. These outliers were assessed for adequate sensitivity at the reporting limit by a 10ppm standard and Atrazine was assessed further by a 5ppm standard. This is usable for determination of "Non-Detects" only. All of the associated samples were Non-Detect for these compounds.

PESTICIDES

Holding times were met for all samples.

The surrogate recoveries for the samples and the associated QC were within acceptance limits, except DCBP was out low in several samples (see the QC summary for specifics) and TCmX was out low in BH-6 (4-6) and BH-3S (12-13.5). The outliers have been flagged with an "*" on the QC Summary Table and the sample reports accordingly. Matrix Interference is suspected. Sample BH-1 (0-3) required a 1:10 dilution so the surrogates were diluted out, reported as "D" on the summary form, and could not be evaluated.

Site specific QC was not requested on this SDG. The Laboratory Control Samples recovered within acceptance limits.

Several extracts required a Copper clean-up to address possible Sulfur interference. An additional Method Blank has been analyzed and included for this reason. All Method Blanks were free from contamination within the reportable ranges.

The internal standards areas and retention times were within acceptance ranges.

All data for the initial calibrations were within acceptance limits. The internal acceptance criteria for the initial calibrations was 0.99 or better for each peak.

All continuing calibration data was within acceptance limits, except DCBP was out high in both Columns A and B for the 8/21 run for the QC only. This outlier has been flagged with a "Fail" on the summary forms.

For all hits, a Form 10 including Percent Difference has been included. Column confirmations above 40% difference have been flagged with a "P" on the sample reports and an "*" on the Form 10 indicating matrix interference. The reported result is always the lower of the two results.

PCBs

Holding times were met for all samples.

The surrogate recoveries for the samples and the associated QC were within acceptance limits, except DCBP was out low in several samples (see the QC summary for specifics) and TCmX was out low in BH-3S (12-13.5) and the MSD for BH-4 (11.5-12). The outliers have been flagged with an "*" on the QC Summary Table and the sample reports accordingly. Matrix Interference is suspected.

Site specific QC was not requested on this SDG but analyzed on BH-4 (11.5-12). The MS and RPD recovered within acceptance, while the MSD recovered low. The outlier has been flagged with an "*" on the QC Summary and an "M" on the sample report for Aroclors 1016 and 1260. The Laboratory Control Samples recovered within acceptance limits.

Several extracts required an Acid and Copper clean-up to address possible Hydrocarbon and Sulfur interference. An additional Method Blank has been analyzed and included for this reason. All Method Blanks were free from contamination within the reportable ranges.

All data for the initial calibrations were within acceptance limits. The internal acceptance criteria for the initial calibrations was 0.99 or better for each peak.

All continuing calibration data was within acceptance limits.

METALS

Holding times were met for all samples.

Site specific QC was not requested on this SDG but was analyzed on BH-6 (0-2) for Mercury. Any outliers for the Matrix Spike Recoveries and/or the Sample Duplicate Percent Differences have been flagged with an "M" and /or "D" on the results page and a "*" on the QC summary report. As there were outliers, Post Digest Spikes were analyzed accordingly. The raw data for these QC samples has been supplied on the attached ICP analytical worksheets, labeled as "PS". There are no data qualifiers or QC forms associated with the post digest spikes. Matrix interference is suspected with these outliers. The Laboratory Control Sample recovered within acceptable limits. All LCS % differences were within acceptance limits.

The Method Blank was free from contamination within the reportable range.

All data for the initial calibrations was within acceptance limits.

All continuing calibrations data was within acceptance limits.

INORGANICS-Total Cyanide

Holding times were met for all samples.


Site specific QC was not requested on this SDG but was analyzed on BH-4 (11.5-12). All Sample Spike Recoveries and Relative Percent Differences were within QC limits. The Laboratory Control Samples recovered within acceptance limits.

All Initial and Continuing Blanks and Method Blanks were free from contamination within acceptance limits.

All Initial and Continuing calibrations were within acceptance limits.

SUB-CONTRACTED ANALYSES

The Pt. 375 List of Metals less Hg by EPA method 6010D was subcontracted to Alpha Analytical of Mansfield, MA. Their report is provided in its entirety as a separate entity after the Paradigm Environmental Services, Inc. report. Separate case narratives addressing the above parameters are included with their report.

(signed) 
Bruce Hoogesteger- President

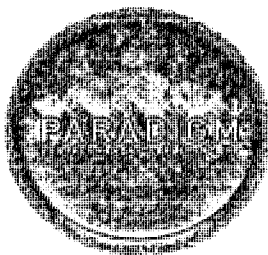
(date) 9/18/2013

BATCH LOG

Lab Name: Paradigm Environmental Services
Lab Project #: 183775
Client Name: BE3
Client Project Name: 31 + 150 Tonawanda St
Client Project #: N/A
SDG No.: 3775-01

9/16/2018

[illegible]

**CHAIN OF CUSTODY**

1 of 1

1 of 2

| | | | |
|---|---------------------|------------------------------------|--|
| REPORT TO: | | INVOICE TO: | |
| CLIENT: <u>BE3/Panamerican</u> | CLIENT: <u>SAME</u> | LAB PROJECT ID: <u>183775</u> | |
| ADDRESS: <u>1270 Niagara St</u> | ADDRESS: | Quotation #: | |
| CITY: <u>Buffalo</u> STATE: <u>NY</u> ZIP: <u>14213</u> | CITY: STATE: ZIP: | Email: <u>abrennen@bc3corp.com</u> | |
| PHONE: <u>716 249-6880</u> | PHONE: | | |
| ATTN: <u>Pete Gorton</u> | ATTN: | | |

| | | | | | | | |
|---|---|--------------------------------|--|--------------------------|--------------------------|-------------------------|----------------------|
| PROJECT REFERENCE <u>31 + 150 Tonawanda St</u> | Matrix Codes: AQ - Aqueous Liquid NQ - Non-Aqueous Liquid | WA - Water WG - Groundwater | DW - Drinking Water WW - Wastewater | SO - Soil SL - Sludge | SD - Solid PT - Paint | WP - Wipe CK - Caulk | OL - Oil AR - Air |
|---|---|--------------------------------|--|--------------------------|--------------------------|-------------------------|----------------------|

| REQUESTED ANALYSIS | | | | | | | | | | REMARKS | PARADIGM LAB SAMPLE NUMBER |
|--------------------|----------------|-----------|------|-------------------|--------|-----------|-----------------|------------------|------------|----------|----------------------------|
| DATE COLLECTED | TIME COLLECTED | COMPOSITE | GRAB | SAMPLE IDENTIFIER | MATRIX | CONTAINER | 375 VOCs + PCBs | 375 SVOCs + PCBs | 375 Metals | | |
| 8/16/18 | 1440 | X | X | BH-6 (4-6) | SP | 2 | X | X | X | Impacted | 01 |
| | 1155 | X | X | BH-7 (19-20) | | 2 | X | X | X | " | 02 |
| | 1300 | X | X | BH-2 (0-3) | | 2 | X | X | X | " | 03 |
| | 1310 | X | X | BH-2 (13.5-15) | | 2 | | | | " | 04 |
| | 1047 | X | X | BH-3S (12-13.5) | | 2 | | | | " | 05 |
| | 1350 | X | X | BH-5 (4-6) | | 2 | | | | | 06 |
| | 0930 | X | X | BH-4 (11.5-12) | | 2 | | | | | 07 |
| | 0930 | X | | BH-4 (0-2) | | 2 | X | X | X | | 08 |
| | 1350 | X | | BH-5 (0-2) | | 2 | X | X | X | | 09 |
| | 1130 | X | X | BH-2 (12-13) | | 2 | X | X | X | HOLD | |
| | 1440 | X | | BH-6 (0-2) | | 2 | X | X | X | | 10 |

| | | |
|---|---|---|
| Turnaround Time | Report Supplements | |
| Availability contingent upon lab approval; additional fees may apply. | | |
| Standard 5 day <input type="checkbox"/> | None Required <input type="checkbox"/> | None Required <input type="checkbox"/> |
| 10 day <input checked="" type="checkbox"/> | Batch QC <input type="checkbox"/> | Basic EDD <input type="checkbox"/> |
| Rush 3 day <input type="checkbox"/> | Category A <input type="checkbox"/> | NYSDEC EDD <input checked="" type="checkbox"/> |
| Rush 2 day <input type="checkbox"/> | Category B <input checked="" type="checkbox"/> | |
| Rush 1 day <input type="checkbox"/> | | |
| Other <input type="checkbox"/> please indicate date needed: _____ | Other <input type="checkbox"/> please indicate package needed: _____ | Other EDD <input type="checkbox"/> please indicate EDD needed: _____ |

Alex Brennen 8/16/18
 Sampled By Date/Time
 James Steiner 8/16/18 1530
 Relinquished By Date/Time
 Received By 8/16/18 350
 2P 8/17/18 14:27
 Received @ Lab By Date/Time

Total Cost: P.I.F.

4°C cool 8/17/18 13:43. No Custody Seal. GP 8/12/18
 By signing this form, client agrees to Paradigm Terms and Conditions (reverse).

See additional page for sample conditions.



PARADIGM

ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 183775

Client: BE3

Project Reference: 31 + 150 Tonawanda St

Sample Identifier: BH-6 (4-6)

Lab Sample ID: 183775-01

Date Sampled: 8/16/2018

Matrix: Soil

Date Received: 8/17/2018

Volatile Organics

| Analyte | Result | Units | Qualifier | Date Analyzed |
|-----------------------------|-----------|-------|-----------|-----------------|
| 1,1,1-Trichloroethane | 101 J | ug/Kg | | 8/28/2018 19:31 |
| 1,1,2,2-Tetrachloroethane | < 12.3 uJ | ug/Kg | | 8/28/2018 19:31 |
| 1,1,2-Trichloroethane | < 12.3 uJ | ug/Kg | | 8/28/2018 19:31 |
| 1,1-Dichloroethane | 192 J | ug/Kg | | 8/28/2018 19:31 |
| 1,1-Dichloroethene | 7.32 J | ug/Kg | J | 8/28/2018 19:31 |
| 1,2,3-Trichlorobenzene | < 30.8 uJ | ug/Kg | | 8/28/2018 19:31 |
| 1,2,4-Trichlorobenzene | < 30.8 uJ | ug/Kg | | 8/28/2018 19:31 |
| 1,2,4-Trimethylbenzene | 96.6 J | ug/Kg | | 8/28/2018 19:31 |
| 1,2-Dibromo-3-Chloropropane | < 61.6 uJ | ug/Kg | | 8/28/2018 19:31 |
| 1,2-Dibromoethane | < 12.3 ↓ | ug/Kg | | 8/28/2018 19:31 |
| 1,2-Dichlorobenzene | < 12.3 ↓ | ug/Kg | | 8/28/2018 19:31 |
| 1,2-Dichloroethane | 13.9 J | ug/Kg | | 8/28/2018 19:31 |
| 1,2-Dichloropropane | < 12.3 uJ | ug/Kg | | 8/28/2018 19:31 |
| 1,3,5-Trimethylbenzene | 40.7 J | ug/Kg | | 8/28/2018 19:31 |
| 1,3-Dichlorobenzene | < 12.3 uJ | ug/Kg | | 8/28/2018 19:31 |
| 1,4-Dichlorobenzene | < 12.3 ↓ | ug/Kg | | 8/28/2018 19:31 |
| 1,4-Dioxane | < 12.3 ↓ | ug/Kg | | 8/28/2018 19:31 |
| 2-Butanone | 102 J | ug/Kg | | 8/28/2018 19:31 |
| 2-Hexanone | < 30.8 uJ | ug/Kg | | 8/28/2018 19:31 |
| 4-Methyl-2-pentanone | < 30.8 ↓ | ug/Kg | | 8/28/2018 19:31 |
| Acetone | 380 J | ug/Kg | | 8/28/2018 19:31 |
| Benzene | 7.43 J | ug/Kg | J | 8/28/2018 19:31 |
| Bromochloromethane | < 30.8 uJ | ug/Kg | | 8/28/2018 19:31 |
| Bromodichloromethane | < 12.3 ↓ | ug/Kg | | 8/28/2018 19:31 |
| Bromoform | < 30.8 ↓ | ug/Kg | | 8/28/2018 19:31 |
| Bromomethane | < 12.3 ↓ | ug/Kg | | 8/28/2018 19:31 |
| Carbon disulfide | 33.8 J | ug/Kg | | 8/28/2018 19:31 |

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Friday, August 31, 2018

mer 9/21/18



PARADIGM

ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 183775

Client: **BE3**

Project Reference: 31 + 150 Tonawanda St

Sample Identifier: BH-6 (4-6)

Lab Sample ID: 183775-01

Date Sampled: 8/16/2018

Matrix: Soil

Date Received: 8/17/2018

| | | | | | |
|---------------------------|--------|----|-------|---|-----------------|
| Carbon Tetrachloride | < 12.3 | uJ | ug/Kg | | 8/28/2018 19:31 |
| Chlorobenzene | < 12.3 | uJ | ug/Kg | | 8/28/2018 19:31 |
| Chloroethane | 413 | J | ug/Kg | | 8/28/2018 19:31 |
| Chloroform | < 12.3 | uJ | ug/Kg | | 8/28/2018 19:31 |
| Chloromethane | < 12.3 | uJ | ug/Kg | | 8/28/2018 19:31 |
| cis-1,2-Dichloroethene | 417 | J | ug/Kg | | 8/28/2018 19:31 |
| cis-1,3-Dichloropropene | < 12.3 | uJ | ug/Kg | | 8/28/2018 19:31 |
| Cyclohexane | < 61.6 | | ug/Kg | | 8/28/2018 19:31 |
| Dibromochloromethane | < 12.3 | | ug/Kg | | 8/28/2018 19:31 |
| Dichlorodifluoromethane | < 12.3 | | ug/Kg | | 8/28/2018 19:31 |
| Ethylbenzene | 51.0 | J | ug/Kg | | 8/28/2018 19:31 |
| Freon 113 | < 12.3 | uJ | ug/Kg | | 8/28/2018 19:31 |
| Isopropylbenzene | 7.39 | J | ug/Kg | J | 8/28/2018 19:31 |
| m,p-Xylene | 172 | J | ug/Kg | | 8/28/2018 19:31 |
| Methyl acetate | < 12.3 | uJ | ug/Kg | | 8/28/2018 19:31 |
| Methyl tert-butyl Ether | < 12.3 | uJ | ug/Kg | | 8/28/2018 19:31 |
| Methylcyclohexane | 35.5 | J | ug/Kg | | 8/28/2018 19:31 |
| Methylene chloride | 19.6 | J | ug/Kg | J | 8/28/2018 19:31 |
| Naphthalene | < 30.8 | uJ | ug/Kg | | 8/28/2018 19:31 |
| n-Butylbenzene | < 12.3 | uJ | ug/Kg | | 8/28/2018 19:31 |
| n-Propylbenzene | 9.65 | J | ug/Kg | J | 8/28/2018 19:31 |
| o-Xylene | 128 | | ug/Kg | | 8/28/2018 19:31 |
| p-Isopropyltoluene | 7.44 | | ug/Kg | J | 8/28/2018 19:31 |
| sec-Butylbenzene | 7.23 | | ug/Kg | J | 8/28/2018 19:31 |
| Styrene | < 30.8 | uJ | ug/Kg | | 8/28/2018 19:31 |
| tert-Butylbenzene | < 12.3 | uJ | ug/Kg | | 8/28/2018 19:31 |
| Tetrachloroethene | 18.9 | J | ug/Kg | | 8/28/2018 19:31 |
| Toluene | 219 | | ug/Kg | | 8/28/2018 19:31 |
| trans-1,2-Dichloroethene | 19.3 | | ug/Kg | | 8/28/2018 19:31 |
| trans-1,3-Dichloropropene | < 12.3 | uJ | ug/Kg | | 8/28/2018 19:31 |

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Report Prepared Friday, August 31, 2018



PARADIGM

ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 183775

Client: BE3

Project Reference: 31 + 150 Tonawanda St

Sample Identifier: BH-6 (4-6)

Lab Sample ID: 183775-01

Date Sampled: 8/16/2018

Matrix: Soil

Date Received: 8/17/2018

| | | | | |
|------------------------|-------------------------|---------------|-----------------|----------------------|
| Trichloroethene | 160 J | ug/Kg | | 8/28/2018 19:31 |
| Trichlorofluoromethane | < 12.3 JS | ug/Kg | | 8/28/2018 19:31 |
| Vinyl chloride | 86.4 J | ug/Kg | | 8/28/2018 19:31 |
| Surrogate | Percent Recovery | Limits | Outliers | Date Analyzed |
| 1,2-Dichloroethane-d4 | 113 | 80.4 - 128 | | 8/28/2018 19:31 |
| 4-Bromofluorobenzene | 62.5 | 75.7 - 120 | * | 8/28/2018 19:31 |
| Pentafluorobenzene | 85.7 | 85.3 - 111 | | 8/28/2018 19:31 |
| Toluene-D8 | 84.4 | 85 - 112 | * | 8/28/2018 19:31 |

Internal standard outliers indicate probable matrix interference

Method Reference(s): EPA 8260C

EPA 5035A - L

Data File: x53596.D

This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Friday, August 31, 2018



PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 183775

Client: BE3

Project Reference: 31 + 150 Tonawanda St

Sample Identifier: BH-6 (4-6)

Lab Sample ID: 183775-01

Date Sampled: 8/16/2018

Matrix: Soil

Date Received: 8/17/2018

Volatile Tentatively Identified Compounds

| <u>Tentatively Identified Compound</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|--|---------------|--------------|------------------|----------------------|
| Unknown Cyclohexane | 586 <i>JN</i> | ug/Kg | | 8/28/2018 |
| Unknown Cyclohexane | 496 | ug/Kg | | 8/28/2018 |
| Unknown Cyclohexane | 734 | ug/Kg | | 8/28/2018 |
| Unknown Alkane | 879 | ug/Kg | | 8/28/2018 |
| Unknown Alkane | 805 | ug/Kg | | 8/28/2018 |
| Unknown Alkane | 2520 | ug/Kg | | 8/28/2018 |
| Unknown | 1440 | ug/Kg | | 8/28/2018 |
| Unknown | 1170 | ug/Kg | | 8/28/2018 |
| Unknown | 466 | ug/Kg | | 8/28/2018 |
| Unknown | 1150 | ug/Kg | | 8/28/2018 |
| Unknown | 517 | ug/Kg | | 8/28/2018 |
| Unknown | 683 | ug/Kg | | 8/28/2018 |
| Unknown | 547 | ug/Kg | | 8/28/2018 |
| Unknown | 1290 | ug/Kg | | 8/28/2018 |
| Unknown | 617 | ug/Kg | | 8/28/2018 |
| Unknown | 799 | ug/Kg | | 8/28/2018 |
| Unknown | 972 | ug/Kg | | 8/28/2018 |
| Unknown | 1240 | ug/Kg | | 8/28/2018 |
| Unknown | 510 | ug/Kg | | 8/28/2018 |
| Unknown Alkane | 655 | ug/Kg | | 8/28/2018 |
| Total Reported TICS | 18100 | ug/Kg | | 8/28/2018 |

Method Reference(s): EPA 8260C
EPA 5035A - L

Tentatively Identified Compound results are estimated values, based on Internal Standard response factors.

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Friday, August 31, 2018



PARADIGM

ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 183775

Client: BE3

Project Reference: 31 + 150 Tonawanda St

Sample Identifier: BH-2 (19-20)

Lab Sample ID: 183775-02

Date Sampled: 8/16/2018

Matrix: Soil

Date Received: 8/17/2018

Volatile Organics

| Analyte | Result | Units | Qualifier | Date Analyzed |
|-----------------------------|----------|-------|-----------|-----------------|
| 1,1,1-Trichloroethane | < 104 | ug/Kg | | 8/29/2018 20:01 |
| 1,1,2,2-Tetrachloroethane | < 104 | ug/Kg | | 8/29/2018 20:01 |
| 1,1,2-Trichloroethane | < 104 | ug/Kg | | 8/29/2018 20:01 |
| 1,1-Dichloroethane | < 104 | ug/Kg | | 8/29/2018 20:01 |
| 1,1-Dichloroethene | < 104 | ug/Kg | | 8/29/2018 20:01 |
| 1,2,3-Trichlorobenzene | < 259 | ug/Kg | | 8/29/2018 20:01 |
| 1,2,4-Trichlorobenzene | < 259 | ug/Kg | | 8/29/2018 20:01 |
| 1,2,4-Trimethylbenzene | < 104 | ug/Kg | | 8/29/2018 20:01 |
| 1,2-Dibromo-3-Chloropropane | < 519 | ug/Kg | | 8/29/2018 20:01 |
| 1,2-Dibromoethane | < 104 | ug/Kg | | 8/29/2018 20:01 |
| 1,2-Dichlorobenzene | < 104 | ug/Kg | | 8/29/2018 20:01 |
| 1,2-Dichloroethane | < 104 | ug/Kg | | 8/29/2018 20:01 |
| 1,2-Dichloropropane | < 104 | ug/Kg | | 8/29/2018 20:01 |
| 1,3,5-Trimethylbenzene | < 104 | ug/Kg | | 8/29/2018 20:01 |
| 1,3-Dichlorobenzene | < 104 | ug/Kg | | 8/29/2018 20:01 |
| 1,4-Dichlorobenzene | < 104 | ug/Kg | | 8/29/2018 20:01 |
| 1,4-Dioxane | < 1040 R | ug/Kg | | 8/29/2018 20:01 |
| 2-Butanone | < 519 | ug/Kg | | 8/29/2018 20:01 |
| 2-Hexanone | < 259 | ug/Kg | | 8/29/2018 20:01 |
| 4-Methyl-2-pentanone | < 259 | ug/Kg | | 8/29/2018 20:01 |
| Acetone | < 519 | ug/Kg | | 8/29/2018 20:01 |
| Benzene | 81.7 | ug/Kg | J | 8/29/2018 20:01 |
| Bromochloromethane | < 259 | ug/Kg | | 8/29/2018 20:01 |
| Bromodichloromethane | < 104 | ug/Kg | | 8/29/2018 20:01 |
| Bromoform | < 259 | ug/Kg | | 8/29/2018 20:01 |
| Bromomethane | < 104 | ug/Kg | | 8/29/2018 20:01 |
| Carbon disulfide | < 104 | ug/Kg | | 8/29/2018 20:01 |

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Report Prepared Friday, August 31, 2018

msc/pa/11/18



PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 183775

Client: BE3

Project Reference: 31 + 150 Tonawanda St

Sample Identifier: BH-2 (19-20)

Lab Sample ID: 183775-02

Date Sampled: 8/16/2018

Matrix: Soil

Date Received: 8/17/2018

| | | | |
|---------------------------|-------|-------|-----------------|
| Carbon Tetrachloride | < 104 | ug/Kg | 8/29/2018 20:01 |
| Chlorobenzene | < 104 | ug/Kg | 8/29/2018 20:01 |
| Chloroethane | < 104 | ug/Kg | 8/29/2018 20:01 |
| Chloroform | < 104 | ug/Kg | 8/29/2018 20:01 |
| Chloromethane | < 104 | ug/Kg | 8/29/2018 20:01 |
| cis-1,2-Dichloroethene | 364 | ug/Kg | 8/29/2018 20:01 |
| cis-1,3-Dichloropropene | < 104 | ug/Kg | 8/29/2018 20:01 |
| Cyclohexane | < 519 | ug/Kg | 8/29/2018 20:01 |
| Dibromochloromethane | < 104 | ug/Kg | 8/29/2018 20:01 |
| Dichlorodifluoromethane | < 104 | ug/Kg | 8/29/2018 20:01 |
| Ethylbenzene | 183 | ug/Kg | 8/29/2018 20:01 |
| Freon 113 | < 104 | ug/Kg | 8/29/2018 20:01 |
| Isopropylbenzene | < 104 | ug/Kg | 8/29/2018 20:01 |
| m,p-Xylene | < 104 | ug/Kg | 8/29/2018 20:01 |
| Methyl acetate | < 104 | ug/Kg | 8/29/2018 20:01 |
| Methyl tert-butyl Ether | < 104 | ug/Kg | 8/29/2018 20:01 |
| Methylcyclohexane | < 104 | ug/Kg | 8/29/2018 20:01 |
| Methylene chloride | < 259 | ug/Kg | 8/29/2018 20:01 |
| Naphthalene | 1160 | ug/Kg | 8/29/2018 20:01 |
| n-Butylbenzene | < 104 | ug/Kg | 8/29/2018 20:01 |
| n-Propylbenzene | < 104 | ug/Kg | 8/29/2018 20:01 |
| o-Xylene | < 104 | ug/Kg | 8/29/2018 20:01 |
| p-Isopropyltoluene | < 104 | ug/Kg | 8/29/2018 20:01 |
| sec-Butylbenzene | < 104 | ug/Kg | 8/29/2018 20:01 |
| Styrene | < 259 | ug/Kg | 8/29/2018 20:01 |
| tert-Butylbenzene | < 104 | ug/Kg | 8/29/2018 20:01 |
| Tetrachloroethene | < 104 | ug/Kg | 8/29/2018 20:01 |
| Toluene | < 104 | ug/Kg | 8/29/2018 20:01 |
| trans-1,2-Dichloroethene | < 104 | ug/Kg | 8/29/2018 20:01 |
| trans-1,3-Dichloropropene | < 104 | ug/Kg | 8/29/2018 20:01 |

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Report Prepared Friday, August 31, 2018



PARADIGM

ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 183775

Client: **BE3**

Project Reference: 31 + 150 Tonawanda St

Sample Identifier: BH-2 (19-20)

Lab Sample ID: 183775-02

Date Sampled: 8/16/2018

Matrix: Soil

Date Received: 8/17/2018

| | | | |
|------------------------|-------|-------|-----------------|
| Trichloroethene | < 104 | ug/Kg | 8/29/2018 20:01 |
| Trichlorofluoromethane | < 104 | ug/Kg | 8/29/2018 20:01 |
| Vinyl chloride | 199 | ug/Kg | 8/29/2018 20:01 |

| Surrogate | Percent Recovery | Limits | Outliers | Date Analyzed |
|-----------------------|------------------|------------|----------|-----------------|
| 1,2-Dichloroethane-d4 | 107 | 80.4 - 128 | | 8/29/2018 20:01 |
| 4-Bromofluorobenzene | 95.8 | 75.7 - 120 | | 8/29/2018 20:01 |
| Pentafluorobenzene | 98.1 | 85.3 - 111 | | 8/29/2018 20:01 |
| Toluene-D8 | 94.0 | 85 - 112 | | 8/29/2018 20:01 |

Method Reference(s): EPA 8260C
EPA 5035A - L

Data File: x53637.D

This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Friday, August 31, 2018



PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 183775

Client: BE3

Project Reference: 31 + 150 Tonawanda St

Sample Identifier: BH-2 (19-20)

Lab Sample ID: 183775-02

Date Sampled: 8/16/2018

Matrix: Soil

Date Received: 8/17/2018

Volatile Tentatively Identified Compounds

| <u>Tentatively Identified Compound</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|--|----------------------------|--------------|------------------|----------------------|
| Unknown Aromatic | 350 JN | ug/Kg | | 8/29/2018 |
| Total Reported TICS | 350 | ug/Kg | | 8/29/2018 |
| Method Reference(s): | EPA 8260C EPA 5035A - L | | | |

Tentatively Identified Compound results are estimated values, based on Internal Standard response factors.

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Friday, August 31, 2018

08/31/18



PARADIGM

ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 183775

Client: BE3

Project Reference: 31 + 150 Tonawanda St

Sample Identifier: BH-1 (0-3)

Lab Sample ID: 183775-03

Date Sampled: 8/16/2018

Matrix: Soil

Date Received: 8/17/2018

Volatile Organics

| Analyte | Result | Units | Qualifier | Date Analyzed |
|-----------------------------|--------|-------|-----------|-----------------|
| 1,1,1-Trichloroethane | 7.24 | ug/Kg | | 8/27/2018 19:46 |
| 1,1,2,2-Tetrachloroethane | < 4.56 | ug/Kg | | 8/27/2018 19:46 |
| 1,1,2-Trichloroethane | < 4.56 | ug/Kg | | 8/27/2018 19:46 |
| 1,1-Dichloroethane | < 4.56 | ug/Kg | | 8/27/2018 19:46 |
| 1,1-Dichloroethene | < 4.56 | ug/Kg | | 8/27/2018 19:46 |
| 1,2,3-Trichlorobenzene | < 11.4 | ug/Kg | | 8/27/2018 19:46 |
| 1,2,4-Trichlorobenzene | < 11.4 | ug/Kg | | 8/27/2018 19:46 |
| 1,2,4-Trimethylbenzene | < 4.56 | ug/Kg | | 8/27/2018 19:46 |
| 1,2-Dibromo-3-Chloropropane | < 22.8 | ug/Kg | | 8/27/2018 19:46 |
| 1,2-Dibromoethane | < 4.56 | ug/Kg | | 8/27/2018 19:46 |
| 1,2-Dichlorobenzene | < 4.56 | ug/Kg | | 8/27/2018 19:46 |
| 1,2-Dichloroethane | < 4.56 | ug/Kg | | 8/27/2018 19:46 |
| 1,2-Dichloropropane | < 4.56 | ug/Kg | | 8/27/2018 19:46 |
| 1,3,5-Trimethylbenzene | < 4.56 | ug/Kg | | 8/27/2018 19:46 |
| 1,3-Dichlorobenzene | < 4.56 | ug/Kg | | 8/27/2018 19:46 |
| 1,4-Dichlorobenzene | < 4.56 | ug/Kg | | 8/27/2018 19:46 |
| 1,4-Dioxane | < 45.6 | ug/Kg | | 8/27/2018 19:46 |
| 2-Butanone | < 22.8 | ug/Kg | | 8/27/2018 19:46 |
| 2-Hexanone | < 11.4 | ug/Kg | | 8/27/2018 19:46 |
| 4-Methyl-2-pentanone | < 11.4 | ug/Kg | | 8/27/2018 19:46 |
| Acetone | < 22.8 | ug/Kg | | 8/27/2018 19:46 |
| Benzene | < 4.56 | ug/Kg | | 8/27/2018 19:46 |
| Bromochloromethane | < 11.4 | ug/Kg | | 8/27/2018 19:46 |
| Bromodichloromethane | < 4.56 | ug/Kg | | 8/27/2018 19:46 |
| Bromoform | < 11.4 | ug/Kg | | 8/27/2018 19:46 |
| Bromomethane | < 4.56 | ug/Kg | | 8/27/2018 19:46 |
| Carbon disulfide | < 4.56 | ug/Kg | | 8/27/2018 19:46 |

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Report Prepared Friday, August 31, 2018



PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 183775

Client: **BE3**

Project Reference: 31 + 150 Tonawanda St

Sample Identifier: BH-1 (0-3)

Lab Sample ID: 183775-03

Date Sampled: 8/16/2018

Matrix: Soil

Date Received: 8/17/2018

| | | | |
|---------------------------|--------|-------|-----------------|
| Carbon Tetrachloride | < 4.56 | ug/Kg | 8/27/2018 19:46 |
| Chlorobenzene | < 4.56 | ug/Kg | 8/27/2018 19:46 |
| Chloroethane | < 4.56 | ug/Kg | 8/27/2018 19:46 |
| Chloroform | < 4.56 | ug/Kg | 8/27/2018 19:46 |
| Chloromethane | < 4.56 | ug/Kg | 8/27/2018 19:46 |
| cis-1,2-Dichloroethene | 4.11 | ug/Kg | 8/27/2018 19:46 |
| cis-1,3-Dichloropropene | < 4.56 | ug/Kg | 8/27/2018 19:46 |
| Cyclohexane | < 22.8 | ug/Kg | 8/27/2018 19:46 |
| Dibromochloromethane | < 4.56 | ug/Kg | 8/27/2018 19:46 |
| Dichlorodifluoromethane | < 4.56 | ug/Kg | 8/27/2018 19:46 |
| Ethylbenzene | < 4.56 | ug/Kg | 8/27/2018 19:46 |
| Freon 113 | < 4.56 | ug/Kg | 8/27/2018 19:46 |
| Isopropylbenzene | < 4.56 | ug/Kg | 8/27/2018 19:46 |
| m,p-Xylene | < 4.56 | ug/Kg | 8/27/2018 19:46 |
| Methyl acetate | < 4.56 | ug/Kg | 8/27/2018 19:46 |
| Methyl tert-butyl Ether | < 4.56 | ug/Kg | 8/27/2018 19:46 |
| Methylcyclohexane | 30.6 | ug/Kg | 8/27/2018 19:46 |
| Methylene chloride | < 11.4 | ug/Kg | 8/27/2018 19:46 |
| Naphthalene | < 11.4 | ug/Kg | 8/27/2018 19:46 |
| n-Butylbenzene | < 4.56 | ug/Kg | 8/27/2018 19:46 |
| n-Propylbenzene | < 4.56 | ug/Kg | 8/27/2018 19:46 |
| o-Xylene | < 4.56 | ug/Kg | 8/27/2018 19:46 |
| p-Isopropyltoluene | < 4.56 | ug/Kg | 8/27/2018 19:46 |
| sec-Butylbenzene | < 4.56 | ug/Kg | 8/27/2018 19:46 |
| Styrene | < 11.4 | ug/Kg | 8/27/2018 19:46 |
| tert-Butylbenzene | < 4.56 | ug/Kg | 8/27/2018 19:46 |
| Tetrachloroethene | < 4.56 | ug/Kg | 8/27/2018 19:46 |
| Toluene | < 4.56 | ug/Kg | 8/27/2018 19:46 |
| trans-1,2-Dichloroethene | < 4.56 | ug/Kg | 8/27/2018 19:46 |
| trans-1,3-Dichloropropene | < 4.56 | ug/Kg | 8/27/2018 19:46 |

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Report Prepared Friday, August 31, 2018



PARADIGM

ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 183775

Client: **BE3**

Project Reference: 31 + 150 Tonawanda St

Sample Identifier: BH-1 (0-3)

Lab Sample ID: 183775-03

Date Sampled: 8/16/2018

Matrix: Soil

Date Received: 8/17/2018

| | | | |
|------------------------|--------|-------|-----------------|
| Trichloroethene | 206 | ug/Kg | 8/27/2018 19:46 |
| Trichlorofluoromethane | < 4.56 | ug/Kg | 8/27/2018 19:46 |
| Vinyl chloride | < 4.56 | ug/Kg | 8/27/2018 19:46 |

| Surrogate | Percent Recovery | Limits | Outliers | Date Analyzed |
|-----------------------|------------------|------------|----------|-----------------|
| 1,2-Dichloroethane-d4 | 106 | 80.4 - 128 | | 8/27/2018 19:46 |
| 4-Bromofluorobenzene | 91.2 | 75.7 - 120 | | 8/27/2018 19:46 |
| Pentafluorobenzene | 89.4 | 85.3 - 111 | | 8/27/2018 19:46 |
| Toluene-D8 | 93.0 | 85 - 112 | | 8/27/2018 19:46 |

Method Reference(s): EPA 8260C
EPA 5035A - L

Data File: x53547.D

This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Friday, August 31, 2018



PARADIGM

ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 183775

Client: BE3

Project Reference: 31 + 150 Tonawanda St

Sample Identifier: BH-1 (0-3)

Lab Sample ID: 183775-03

Matrix: Soil

Date Sampled: 8/16/2018

Date Received: 8/17/2018

Volatile Tentatively Identified Compounds

| <u>Tentatively Identified Compound</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|--|---------------|--------------|------------------|----------------------|
| Unknown | 17.0 JN | ug/Kg | | 8/27/2018 |
| Unknown Alkane | 11.8 | ug/Kg | | 8/27/2018 |
| Unknown Alkane | 11.7 | ug/Kg | | 8/27/2018 |
| Unknown Alkane | 16.2 | ug/Kg | | 8/27/2018 |
| Unknown Alkane | 22.0 | ug/Kg | | 8/27/2018 |
| Unknown Alkane | 12.8 | ug/Kg | | 8/27/2018 |
| Total Reported TICS | 91.4 | ug/Kg | | 8/27/2018 |

Method Reference(s): EPA 8260C
EPA 5035A - L

Tentatively Identified Compound results are estimated values, based on Internal Standard response factors.

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Friday, August 31, 2018



PARADIGM

ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 183775

Client: BE3

Project Reference: 31 + 150 Tonawanda St

Sample Identifier: BH-2 (13.5-15)

Lab Sample ID: 183775-04

Date Sampled: 8/16/2018

Matrix: Soil

Date Received: 8/17/2018

Volatile Organics

| Analyte | Result | Units | Qualifier | Date Analyzed |
|-----------------------------|---------|-------|-----------|-----------------|
| 1,1,1-Trichloroethane | < 3300 | ug/Kg | | 8/30/2018 10:44 |
| 1,1,2,2-Tetrachloroethane | < 3300 | ug/Kg | | 8/30/2018 10:44 |
| 1,1,2-Trichloroethane | < 3300 | ug/Kg | | 8/30/2018 10:44 |
| 1,1-Dichloroethane | < 3300 | ug/Kg | | 8/30/2018 10:44 |
| 1,1-Dichloroethene | < 3300 | ug/Kg | | 8/30/2018 10:44 |
| 1,2,3-Trichlorobenzene | < 8240 | ug/Kg | | 8/30/2018 10:44 |
| 1,2,4-Trichlorobenzene | < 8240 | ug/Kg | | 8/30/2018 10:44 |
| 1,2,4-Trimethylbenzene | < 3300 | ug/Kg | | 8/30/2018 10:44 |
| 1,2-Dibromo-3-Chloropropane | < 16500 | ug/Kg | | 8/30/2018 10:44 |
| 1,2-Dibromoethane | < 3300 | ug/Kg | | 8/30/2018 10:44 |
| 1,2-Dichlorobenzene | < 3300 | ug/Kg | | 8/30/2018 10:44 |
| 1,2-Dichloroethane | < 3300 | ug/Kg | | 8/30/2018 10:44 |
| 1,2-Dichloropropane | < 3300 | ug/Kg | | 8/30/2018 10:44 |
| 1,3,5-Trimethylbenzene | < 3300 | ug/Kg | | 8/30/2018 10:44 |
| 1,3-Dichlorobenzene | < 3300 | ug/Kg | | 8/30/2018 10:44 |
| 1,4-Dichlorobenzene | < 3300 | ug/Kg | | 8/30/2018 10:44 |
| 1,4-Dioxane | < 3300 | ug/Kg | | 8/30/2018 10:44 |
| 2-Butanone | < 16500 | ug/Kg | | 8/30/2018 10:44 |
| 2-Hexanone | < 8240 | ug/Kg | | 8/30/2018 10:44 |
| 4-Methyl-2-pentanone | < 8240 | ug/Kg | | 8/30/2018 10:44 |
| Acetone | < 16500 | ug/Kg | | 8/30/2018 10:44 |
| Benzene | < 3300 | ug/Kg | | 8/30/2018 10:44 |
| Bromochloromethane | < 8240 | ug/Kg | | 8/30/2018 10:44 |
| Bromodichloromethane | < 3300 | ug/Kg | | 8/30/2018 10:44 |
| Bromoform | < 8240 | ug/Kg | | 8/30/2018 10:44 |
| Bromomethane | < 3300 | ug/Kg | | 8/30/2018 10:44 |
| Carbon disulfide | < 3300 | ug/Kg | | 8/30/2018 10:44 |

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Friday, August 31, 2018



PARADIGM

ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 183775

Client: **BE3**

Project Reference: 31 + 150 Tonawanda St

Sample Identifier: BH-2 (13.5-15)

Lab Sample ID: 183775-04

Date Sampled: 8/16/2018

Matrix: Soil

Date Received: 8/17/2018

| | | | |
|---------------------------|---------|-------|-----------------|
| Carbon Tetrachloride | < 3300 | ug/Kg | 8/30/2018 10:44 |
| Chlorobenzene | < 3300 | ug/Kg | 8/30/2018 10:44 |
| Chloroethane | < 3300 | ug/Kg | 8/30/2018 10:44 |
| Chloroform | < 3300 | ug/Kg | 8/30/2018 10:44 |
| Chloromethane | < 3300 | ug/Kg | 8/30/2018 10:44 |
| cis-1,2-Dichloroethene | 152000 | ug/Kg | 8/30/2018 10:44 |
| cis-1,3-Dichloropropene | < 3300 | ug/Kg | 8/30/2018 10:44 |
| Cyclohexane | < 16500 | ug/Kg | 8/30/2018 10:44 |
| Dibromochloromethane | < 3300 | ug/Kg | 8/30/2018 10:44 |
| Dichlorodifluoromethane | < 3300 | ug/Kg | 8/30/2018 10:44 |
| Ethylbenzene | < 3300 | ug/Kg | 8/30/2018 10:44 |
| Freon 113 | < 3300 | ug/Kg | 8/30/2018 10:44 |
| Isopropylbenzene | < 3300 | ug/Kg | 8/30/2018 10:44 |
| m,p-Xylene | < 3300 | ug/Kg | 8/30/2018 10:44 |
| Methyl acetate | < 3300 | ug/Kg | 8/30/2018 10:44 |
| Methyl tert-butyl Ether | < 3300 | ug/Kg | 8/30/2018 10:44 |
| Methylcyclohexane | < 3300 | ug/Kg | 8/30/2018 10:44 |
| Methylene chloride | < 8240 | ug/Kg | 8/30/2018 10:44 |
| Naphthalene | < 8240 | ug/Kg | 8/30/2018 10:44 |
| n-Butylbenzene | < 3300 | ug/Kg | 8/30/2018 10:44 |
| n-Propylbenzene | < 3300 | ug/Kg | 8/30/2018 10:44 |
| o-Xylene | < 3300 | ug/Kg | 8/30/2018 10:44 |
| p-Isopropyltoluene | < 3300 | ug/Kg | 8/30/2018 10:44 |
| sec-Butylbenzene | < 3300 | ug/Kg | 8/30/2018 10:44 |
| Styrene | < 8240 | ug/Kg | 8/30/2018 10:44 |
| tert-Butylbenzene | < 3300 | ug/Kg | 8/30/2018 10:44 |
| Tetrachloroethene | < 3300 | ug/Kg | 8/30/2018 10:44 |
| Toluene | < 3300 | ug/Kg | 8/30/2018 10:44 |
| trans-1,2-Dichloroethene | 2300 | ug/Kg | 8/30/2018 10:44 |
| trans-1,3-Dichloropropene | < 3300 | ug/Kg | 8/30/2018 10:44 |

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Report Prepared Friday, August 31, 2018

8/21/18



PARADIGM

ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 183775

Client: BE3

Project Reference: 31 + 150 Tonawanda St

Sample Identifier: BH-2 (13.5-15)

Lab Sample ID: 183775-04

Date Sampled: 8/16/2018

Matrix: Soil

Date Received: 8/17/2018

| | | | | |
|------------------------|-------------------------|---------------|-----------------|----------------------|
| Trichloroethene | < 3300 | ug/Kg | | 8/30/2018 10:44 |
| Trichlorofluoromethane | < 3300 | ug/Kg | | 8/30/2018 10:44 |
| Vinyl chloride | 30700 | ug/Kg | | 8/30/2018 10:44 |
| Surrogate | Percent Recovery | Limits | Outliers | Date Analyzed |
| 1,2-Dichloroethane-d4 | 97.3 | 80.4 - 128 | | 8/30/2018 10:44 |
| 4-Bromofluorobenzene | 93.6 | 75.7 - 120 | | 8/30/2018 10:44 |
| Pentafluorobenzene | 103 | 85.3 - 111 | | 8/30/2018 10:44 |
| Toluene-D8 | 98.4 | 85 - 112 | | 8/30/2018 10:44 |

Method Reference(s): EPA 8260C
EPA 5035A - H
Data File: x53671.D

This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Tuesday, September 4, 2018



PARADIGM

ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 183775

Client: BE3

Project Reference: 31 + 150 Tonawanda St

Sample Identifier: BH-2 (13.5-15)

Lab Sample ID: 183775-04

Date Sampled: 8/16/2018

Matrix: Soil

Date Received: 8/17/2018

Volatile Tentatively Identified Compounds

| <u>Tentatively Identified Compound</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|--|---------------|--------------|------------------|----------------------|
| None Found | < 8240 | ug/Kg | | 8/30/2018 |
| Total Reported TICS | < 8240 | ug/Kg | | 8/30/2018 |
| Method Reference(s): | EPA 8260C | | | |
| | EPA 5035A - H | | | |

Tentatively Identified Compound results are estimated values, based on Internal Standard response factors.

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Friday, August 31, 2018



PARADIGM

ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 183775

Client: BE3

Project Reference: 31 + 150 Tonawanda St

Sample Identifier: BH-3S (12-13.5)

Lab Sample ID: 183775-05

Date Sampled: 8/16/2018

Matrix: Soil

Date Received: 8/17/2018

Volatile Organics

| Analyte | Result | Units | Qualifier | Date Analyzed |
|-----------------------------|----------|-------|-----------|-----------------|
| 1,1,1-Trichloroethane | < 7.72 | ug/Kg | | 8/28/2018 19:07 |
| 1,1,2,2-Tetrachloroethane | < 7.72 | ug/Kg | | 8/28/2018 19:07 |
| 1,1,2-Trichloroethane | < 7.72 | ug/Kg | | 8/28/2018 19:07 |
| 1,1-Dichloroethane | < 7.72 | ug/Kg | | 8/28/2018 19:07 |
| 1,1-Dichloroethene | < 7.72 | ug/Kg | | 8/28/2018 19:07 |
| 1,2,3-Trichlorobenzene | < 19.3 | ug/Kg | | 8/28/2018 19:07 |
| 1,2,4-Trichlorobenzene | < 19.3 | ug/Kg | | 8/28/2018 19:07 |
| 1,2,4-Trimethylbenzene | 7.56 J | ug/Kg | J | 8/28/2018 19:07 |
| 1,2-Dibromo-3-Chloropropane | < 38.6 | ug/Kg | | 8/28/2018 19:07 |
| 1,2-Dibromoethane | < 7.72 | ug/Kg | | 8/28/2018 19:07 |
| 1,2-Dichlorobenzene | < 7.72 | ug/Kg | | 8/28/2018 19:07 |
| 1,2-Dichloroethane | < 7.72 | ug/Kg | | 8/28/2018 19:07 |
| 1,2-Dichloropropane | < 7.72 | ug/Kg | | 8/28/2018 19:07 |
| 1,3,5-Trimethylbenzene | 5.78 J | ug/Kg | J | 8/28/2018 19:07 |
| 1,3-Dichlorobenzene | < 7.72 | ug/Kg | | 8/28/2018 19:07 |
| 1,4-Dichlorobenzene | < 7.72 | ug/Kg | | 8/28/2018 19:07 |
| 1,4-Dioxane | < 7.72 R | ug/Kg | | 8/28/2018 19:07 |
| 2-Butanone | 40.8 J | ug/Kg | | 8/28/2018 19:07 |
| 2-Hexanone | < 19.3 | ug/Kg | | 8/28/2018 19:07 |
| 4-Methyl-2-pentanone | < 19.3 | ug/Kg | | 8/28/2018 19:07 |
| Acetone | 246 J | ug/Kg | | 8/28/2018 19:07 |
| Benzene | < 7.72 | ug/Kg | | 8/28/2018 19:07 |
| Bromochloromethane | < 19.3 | ug/Kg | | 8/28/2018 19:07 |
| Bromodichloromethane | < 7.72 | ug/Kg | | 8/28/2018 19:07 |
| Bromoform | < 19.3 | ug/Kg | | 8/28/2018 19:07 |
| Bromomethane | < 7.72 | ug/Kg | | 8/28/2018 19:07 |
| Carbon disulfide | 12.2 J | ug/Kg | | 8/28/2018 19:07 |

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Report Prepared Friday, August 31, 2018

mpa/2/18



PARADIGM

ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 183775

Client: **BE3**

Project Reference: 31 + 150 Tonawanda St

Sample Identifier: BH-3S (12-13.5)

Lab Sample ID: 183775-05

Date Sampled: 8/16/2018

Matrix: Soil

Date Received: 8/17/2018

| | | | | |
|---------------------------|--------|-------|---|-----------------|
| Carbon Tetrachloride | < 7.72 | ug/Kg | | 8/28/2018 19:07 |
| Chlorobenzene | < 7.72 | ug/Kg | | 8/28/2018 19:07 |
| Chloroethane | < 7.72 | ug/Kg | | 8/28/2018 19:07 |
| Chloroform | < 7.72 | ug/Kg | | 8/28/2018 19:07 |
| Chloromethane | < 7.72 | ug/Kg | | 8/28/2018 19:07 |
| cis-1,2-Dichloroethene | 4.09 J | ug/Kg | J | 8/28/2018 19:07 |
| cis-1,3-Dichloropropene | < 7.72 | ug/Kg | | 8/28/2018 19:07 |
| Cyclohexane | < 38.6 | ug/Kg | | 8/28/2018 19:07 |
| Dibromochloromethane | < 7.72 | ug/Kg | | 8/28/2018 19:07 |
| Dichlorodifluoromethane | < 7.72 | ug/Kg | | 8/28/2018 19:07 |
| Ethylbenzene | 4.86 J | ug/Kg | J | 8/28/2018 19:07 |
| Freon 113 | < 7.72 | ug/Kg | | 8/28/2018 19:07 |
| Isopropylbenzene | < 7.72 | ug/Kg | | 8/28/2018 19:07 |
| m,p-Xylene | 17.0 J | ug/Kg | | 8/28/2018 19:07 |
| Methyl acetate | < 7.72 | ug/Kg | | 8/28/2018 19:07 |
| Methyl tert-butyl Ether | < 7.72 | ug/Kg | | 8/28/2018 19:07 |
| Methylcyclohexane | 12.7 J | ug/Kg | | 8/28/2018 19:07 |
| Methylene chloride | 17.7 J | ug/Kg | J | 8/28/2018 19:07 |
| Naphthalene | < 19.3 | ug/Kg | | 8/28/2018 19:07 |
| n-Butylbenzene | < 7.72 | ug/Kg | | 8/28/2018 19:07 |
| n-Propylbenzene | < 7.72 | ug/Kg | | 8/28/2018 19:07 |
| o-Xylene | 7.48 J | ug/Kg | J | 8/28/2018 19:07 |
| p-Isopropyltoluene | < 7.72 | ug/Kg | | 8/28/2018 19:07 |
| sec-Butylbenzene | < 7.72 | ug/Kg | | 8/28/2018 19:07 |
| Styrene | < 19.3 | ug/Kg | | 8/28/2018 19:07 |
| tert-Butylbenzene | < 7.72 | ug/Kg | | 8/28/2018 19:07 |
| Tetrachloroethene | < 7.72 | ug/Kg | | 8/28/2018 19:07 |
| Toluene | 15.3 J | ug/Kg | | 8/28/2018 19:07 |
| trans-1,2-Dichloroethene | < 7.72 | ug/Kg | | 8/28/2018 19:07 |
| trans-1,3-Dichloropropene | < 7.72 | ug/Kg | | 8/28/2018 19:07 |

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Report Prepared Friday, August 31, 2018



PARADIGM

ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 183775

Client: **BE3**

Project Reference: 31 + 150 Tonawanda St

Sample Identifier: BH-3S (12-13.5)

Lab Sample ID: 183775-05

Date Sampled: 8/16/2018

Matrix: Soil

Date Received: 8/17/2018

| | | | |
|------------------------|--------|-------|-----------------|
| Trichloroethene | < 7.72 | ug/Kg | 8/28/2018 19:07 |
| Trichlorofluoromethane | < 7.72 | ug/Kg | 8/28/2018 19:07 |
| Vinyl chloride | < 7.72 | ug/Kg | 8/28/2018 19:07 |

| Surrogate | Percent Recovery | Limits | Outliers | Date Analyzed |
|-----------------------|------------------|------------|----------|-----------------|
| 1,2-Dichloroethane-d4 | 112 | 80.4 - 128 | | 8/28/2018 19:07 |
| 4-Bromofluorobenzene | 93.0 | 75.7 - 120 | | 8/28/2018 19:07 |
| Pentafluorobenzene | 92.3 | 85.3 - 111 | | 8/28/2018 19:07 |
| Toluene-D8 | 116 | 85 - 112 | * | 8/28/2018 19:07 |

Method Reference(s): EPA 8260C
EPA 5035A - L
Data File: x53595.D

This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Friday, August 31, 2018



PARADIGM

ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 183775

Client: **BE3**

Project Reference: 31 + 150 Tonawanda St

Sample Identifier: BH-3S (12-13.5)

Lab Sample ID: 183775-05

Date Sampled: 8/16/2018

Matrix: Soil

Date Received: 8/17/2018

Volatile Organics

| Analyte | Result | Units | Qualifier | Date Analyzed |
|-----------------------------|------------------------|-------|-----------|-----------------|
| 1,1,1-Trichloroethane | < 7.72 | ug/Kg | | 8/28/2018 19:07 |
| 1,1,2,2-Tetrachloroethane | < 7.72 | ug/Kg | | 8/28/2018 19:07 |
| 1,1,2-Trichloroethane | < 7.72 | ug/Kg | | 8/28/2018 19:07 |
| 1,1-Dichloroethane | < 7.72 | ug/Kg | | 8/28/2018 19:07 |
| 1,1-Dichloroethene | < 7.72 | ug/Kg | | 8/28/2018 19:07 |
| 1,2,3-Trichlorobenzene | < 19.3 | ug/Kg | | 8/28/2018 19:07 |
| 1,2,4-Trichlorobenzene | < 19.3 | ug/Kg | | 8/28/2018 19:07 |
| 1,2,4-Trimethylbenzene | 7.56 | ug/Kg | J | 8/28/2018 19:07 |
| 1,2-Dibromo-3-Chloropropane | < 38.6 | ug/Kg | | 8/28/2018 19:07 |
| 1,2-Dibromoethane | < 7.72 | ug/Kg | | 8/28/2018 19:07 |
| 1,2-Dichlorobenzene | < 7.72 | ug/Kg | | 8/28/2018 19:07 |
| 1,2-Dichloroethane | < 7.72 | ug/Kg | | 8/28/2018 19:07 |
| 1,2-Dichloropropane | < 7.72 | ug/Kg | | 8/28/2018 19:07 |
| 1,3,5-Trimethylbenzene | 5.78 | ug/Kg | J | 8/28/2018 19:07 |
| 1,3-Dichlorobenzene | < 7.72 | ug/Kg | | 8/28/2018 19:07 |
| 1,4-Dichlorobenzene | < 7.72 | ug/Kg | | 8/28/2018 19:07 |
| 1,4-Dioxane | < 7.72 R | ug/Kg | | 8/28/2018 19:07 |
| 2-Butanone | 40.8 | ug/Kg | | 8/28/2018 19:07 |
| 2-Hexanone | < 19.3 | ug/Kg | | 8/28/2018 19:07 |
| 4-Methyl-2-pentanone | < 19.3 | ug/Kg | | 8/28/2018 19:07 |
| Acetone | 246 | ug/Kg | | 8/28/2018 19:07 |
| Benzene | < 7.72 | ug/Kg | | 8/28/2018 19:07 |
| Bromochloromethane | < 19.3 | ug/Kg | | 8/28/2018 19:07 |
| Bromodichloromethane | < 7.72 | ug/Kg | | 8/28/2018 19:07 |
| Bromoform | < 19.3 | ug/Kg | | 8/28/2018 19:07 |
| Bromomethane | < 7.72 | ug/Kg | | 8/28/2018 19:07 |
| Carbon disulfide | 12.2 | ug/Kg | | 8/28/2018 19:07 |

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Friday, August 31, 2018

mvp 9/21/18



PARADIGM

ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 183775

Client: **BE3**

Project Reference: 31 + 150 Tonawanda St

| | | | | | |
|---------------------------|-----------------|-------|-----------------------|-----------|-------|
| Sample Identifier: | BH-3S (12-13.5) | | Date Sampled: | 8/16/2018 | |
| Lab Sample ID: | 183775-05 | | Date Received: | 8/17/2018 | |
| Matrix: | Soil | | | | |
| Carbon Tetrachloride | < 7.72 | ug/Kg | | 8/28/2018 | 19:07 |
| Chlorobenzene | < 7.72 | ug/Kg | | 8/28/2018 | 19:07 |
| Chloroethane | < 7.72 | ug/Kg | | 8/28/2018 | 19:07 |
| Chloroform | < 7.72 | ug/Kg | | 8/28/2018 | 19:07 |
| Chloromethane | < 7.72 | ug/Kg | | 8/28/2018 | 19:07 |
| cis-1,2-Dichloroethene | 4.09 | ug/Kg | J | 8/28/2018 | 19:07 |
| cis-1,3-Dichloropropene | < 7.72 | ug/Kg | | 8/28/2018 | 19:07 |
| Cyclohexane | < 38.6 | ug/Kg | | 8/28/2018 | 19:07 |
| Dibromochloromethane | < 7.72 | ug/Kg | | 8/28/2018 | 19:07 |
| Dichlorodifluoromethane | < 7.72 | ug/Kg | | 8/28/2018 | 19:07 |
| Ethylbenzene | 4.86 | ug/Kg | J | 8/28/2018 | 19:07 |
| Freon 113 | < 7.72 | ug/Kg | | 8/28/2018 | 19:07 |
| Isopropylbenzene | < 7.72 | ug/Kg | | 8/28/2018 | 19:07 |
| m,p-Xylene | 17.0 | ug/Kg | | 8/28/2018 | 19:07 |
| Methyl acetate | < 7.72 | ug/Kg | | 8/28/2018 | 19:07 |
| Methyl tert-butyl Ether | < 7.72 | ug/Kg | | 8/28/2018 | 19:07 |
| Methylcyclohexane | 12.7 | ug/Kg | | 8/28/2018 | 19:07 |
| Methylene chloride | 17.7 | ug/Kg | J | 8/28/2018 | 19:07 |
| Naphthalene | < 19.3 | ug/Kg | | 8/28/2018 | 19:07 |
| n-Butylbenzene | < 7.72 | ug/Kg | | 8/28/2018 | 19:07 |
| n-Propylbenzene | < 7.72 | ug/Kg | | 8/28/2018 | 19:07 |
| o-Xylene | 7.48 | ug/Kg | J | 8/28/2018 | 19:07 |
| p-Isopropyltoluene | < 7.72 | ug/Kg | | 8/28/2018 | 19:07 |
| sec-Butylbenzene | < 7.72 | ug/Kg | | 8/28/2018 | 19:07 |
| Styrene | < 19.3 | ug/Kg | | 8/28/2018 | 19:07 |
| tert-Butylbenzene | < 7.72 | ug/Kg | | 8/28/2018 | 19:07 |
| Tetrachloroethene | < 7.72 | ug/Kg | | 8/28/2018 | 19:07 |
| Toluene | 15.3 | ug/Kg | | 8/28/2018 | 19:07 |
| trans-1,2-Dichloroethene | < 7.72 | ug/Kg | | 8/28/2018 | 19:07 |
| trans-1,3-Dichloropropene | < 7.72 | ug/Kg | | 8/28/2018 | 19:07 |

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Friday, August 31, 2018



PARADIGM

ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 183775

Client: **BE3**

Project Reference: 31 + 150 Tonawanda St

Sample Identifier: BH-3S (12-13.5)

Lab Sample ID: 183775-05

Date Sampled: 8/16/2018

Matrix: Soil

Date Received: 8/17/2018

| | | | |
|------------------------|--------|-------|-----------------|
| Trichloroethene | < 7.72 | ug/Kg | 8/28/2018 19:07 |
| Trichlorofluoromethane | < 7.72 | ug/Kg | 8/28/2018 19:07 |
| Vinyl chloride | < 7.72 | ug/Kg | 8/28/2018 19:07 |

| Surrogate | Percent Recovery | Limits | Outliers | Date Analyzed |
|-----------------------|------------------|------------|----------|-----------------|
| 1,2-Dichloroethane-d4 | 112 | 80.4 - 128 | | 8/28/2018 19:07 |
| 4-Bromofluorobenzene | 93.0 | 75.7 - 120 | | 8/28/2018 19:07 |
| Pentafluorobenzene | 92.3 | 85.3 - 111 | | 8/28/2018 19:07 |
| Toluene-D8 | 116 | 85 - 112 | * | 8/28/2018 19:07 |

Method Reference(s): EPA 8260C
EPA 5035A - L

Data File: x53595.D

This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Friday, August 31, 2018

9/23/18



PARADIGM

ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 183775

Client: BE3

Project Reference: 31 + 150 Tonawanda St

Sample Identifier: BH-3S (12-13.5)

Lab Sample ID: 183775-05

Date Sampled: 8/16/2018

Matrix: Soil

Date Received: 8/17/2018

Volatile Tentatively Identified Compounds

| <u>Tentatively Identified Compound</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|--|---------------|--------------|------------------|----------------------|
| Unknown Cyclohexane | 36.5 | ug/Kg | JN | 8/28/2018 |
| Unknown | 43.4 | ug/Kg | | 8/28/2018 |
| Unknown Aromatic | 44.1 | ug/Kg | | 8/28/2018 |
| Unknown Alkane | 33.3 | ug/Kg | | 8/28/2018 |
| Unknown | 40.2 | ug/Kg | | 8/28/2018 |
| Unknown Aromatic | 65.0 | ug/Kg | | 8/28/2018 |
| Unknown | 47.6 | ug/Kg | | 8/28/2018 |
| Unknown | 49.7 | ug/Kg | | 8/28/2018 |
| Unknown Aromatic | 58.2 | ug/Kg | | 8/28/2018 |
| Unknown | 92.2 | ug/Kg | | 8/28/2018 |
| Unknown Aromatic | 34.6 | ug/Kg | | 8/28/2018 |
| Unknown Alkane | 54.7 | ug/Kg | | 8/28/2018 |
| Unknown Aromatic | 36.3 | ug/Kg | | 8/28/2018 |
| Unknown Alkane | 79.5 | ug/Kg | | 8/28/2018 |
| Unknown | 39.3 | ug/Kg | | 8/28/2018 |
| Unknown | 64.8 | ug/Kg | | 8/28/2018 |
| Unknown | 33.4 | ug/Kg | | 8/28/2018 |
| Unknown | 32.2 | ug/Kg | | 8/28/2018 |
| Unknown Alkane | 60.9 | ug/Kg | | 8/28/2018 |
| Unknown Naphthalene | 209 | ug/Kg | | 8/28/2018 |
| Total Reported TICS | 1160 | ug/Kg | | 8/28/2018 |

Method Reference(s): EPA 8260C
EPA 5035A - L

Tentatively Identified Compound results are estimated values, based on Internal Standard response factors.

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Friday, August 31, 2018



PARADIGM

ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 183775

Client: BE3

Project Reference: 31 + 150 Tonawanda St

Sample Identifier: BH-5 (4-6)

Lab Sample ID: 183775-06

Matrix: Soil

Date Sampled: 8/16/2018

Date Received: 8/17/2018

Volatile Organics

| Analyte | Result | Units | Qualifier | Date Analyzed |
|-----------------------------|----------|-------|-----------|-----------------|
| 1,1,1-Trichloroethane | < 5880 | ug/Kg | | 8/29/2018 20:25 |
| 1,1,2,2-Tetrachloroethane | < 5880 | ug/Kg | | 8/29/2018 20:25 |
| 1,1,2-Trichloroethane | < 5880 | ug/Kg | | 8/29/2018 20:25 |
| 1,1-Dichloroethane | < 5880 | ug/Kg | | 8/29/2018 20:25 |
| 1,1-Dichloroethene | < 5880 | ug/Kg | | 8/29/2018 20:25 |
| 1,2,3-Trichlorobenzene | < 14700 | ug/Kg | | 8/29/2018 20:25 |
| 1,2,4-Trichlorobenzene | < 14700 | ug/Kg | | 8/29/2018 20:25 |
| 1,2,4-Trimethylbenzene | 91400 | ug/Kg | | 8/29/2018 20:25 |
| 1,2-Dibromo-3-Chloropropane | < 29400 | ug/Kg | | 8/29/2018 20:25 |
| 1,2-Dibromoethane | < 5880 | ug/Kg | | 8/29/2018 20:25 |
| 1,2-Dichlorobenzene | < 5880 | ug/Kg | | 8/29/2018 20:25 |
| 1,2-Dichloroethane | < 5880 | ug/Kg | | 8/29/2018 20:25 |
| 1,2-Dichloropropane | < 5880 | ug/Kg | | 8/29/2018 20:25 |
| 1,3,5-Trimethylbenzene | 44300 | ug/Kg | | 8/29/2018 20:25 |
| 1,3-Dichlorobenzene | < 5880 | ug/Kg | | 8/29/2018 20:25 |
| 1,4-Dichlorobenzene | < 5880 | ug/Kg | | 8/29/2018 20:25 |
| 1,4-Dioxane | < 5880 R | ug/Kg | | 8/29/2018 20:25 |
| 2-Butanone | < 29400 | ug/Kg | | 8/29/2018 20:25 |
| 2-Hexanone | < 14700 | ug/Kg | | 8/29/2018 20:25 |
| 4-Methyl-2-pentanone | < 14700 | ug/Kg | | 8/29/2018 20:25 |
| Acetone | < 29400 | ug/Kg | | 8/29/2018 20:25 |
| Benzene | < 5880 | ug/Kg | | 8/29/2018 20:25 |
| Bromochloromethane | < 14700 | ug/Kg | | 8/29/2018 20:25 |
| Bromodichloromethane | < 5880 | ug/Kg | | 8/29/2018 20:25 |
| Bromoform | < 14700 | ug/Kg | | 8/29/2018 20:25 |
| Bromomethane | < 5880 | ug/Kg | | 8/29/2018 20:25 |
| Carbon disulfide | < 5880 | ug/Kg | | 8/29/2018 20:25 |

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Report Prepared Friday, August 31, 2018

mmp/ab/18



PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 183775

Client: BE3

Project Reference: 31 + 150 Tonawanda St

Sample Identifier: BH-5 (4-6)

Lab Sample ID: 183775-06

Date Sampled: 8/16/2018

Matrix: Soil

Date Received: 8/17/2018

| | | | |
|---------------------------|---------|-------|-----------------|
| Carbon Tetrachloride | < 5880 | ug/Kg | 8/29/2018 20:25 |
| Chlorobenzene | < 5880 | ug/Kg | 8/29/2018 20:25 |
| Chloroethane | < 5880 | ug/Kg | 8/29/2018 20:25 |
| Chloroform | < 5880 | ug/Kg | 8/29/2018 20:25 |
| Chloromethane | < 5880 | ug/Kg | 8/29/2018 20:25 |
| cis-1,2-Dichloroethene | < 5880 | ug/Kg | 8/29/2018 20:25 |
| cis-1,3-Dichloropropene | < 5880 | ug/Kg | 8/29/2018 20:25 |
| Cyclohexane | < 29400 | ug/Kg | 8/29/2018 20:25 |
| Dibromochloromethane | < 5880 | ug/Kg | 8/29/2018 20:25 |
| Dichlorodifluoromethane | < 5880 | ug/Kg | 8/29/2018 20:25 |
| Ethylbenzene | 168000 | ug/Kg | 8/29/2018 20:25 |
| Freon 113 | < 5880 | ug/Kg | 8/29/2018 20:25 |
| Isopropylbenzene | 16000 | ug/Kg | 8/29/2018 20:25 |
| m,p-Xylene | 595000 | ug/Kg | 8/29/2018 20:25 |
| Methyl acetate | < 5880 | ug/Kg | 8/29/2018 20:25 |
| Methyl tert-butyl Ether | < 5880 | ug/Kg | 8/29/2018 20:25 |
| Methylcyclohexane | 11000 | ug/Kg | 8/29/2018 20:25 |
| Methylene chloride | < 14700 | ug/Kg | 8/29/2018 20:25 |
| Naphthalene | 46000 | ug/Kg | 8/29/2018 20:25 |
| n-Butylbenzene | 19700 | ug/Kg | 8/29/2018 20:25 |
| n-Propylbenzene | 11500 | ug/Kg | 8/29/2018 20:25 |
| o-Xylene | 200000 | ug/Kg | 8/29/2018 20:25 |
| p-Isopropyltoluene | 10500 | ug/Kg | 8/29/2018 20:25 |
| sec-Butylbenzene | 8500 | ug/Kg | 8/29/2018 20:25 |
| Styrene | < 14700 | ug/Kg | 8/29/2018 20:25 |
| tert-Butylbenzene | < 5880 | ug/Kg | 8/29/2018 20:25 |
| Tetrachloroethene | < 5880 | ug/Kg | 8/29/2018 20:25 |
| Toluene | 8060 | ug/Kg | 8/29/2018 20:25 |
| trans-1,2-Dichloroethene | < 5880 | ug/Kg | 8/29/2018 20:25 |
| trans-1,3-Dichloropropene | < 5880 | ug/Kg | 8/29/2018 20:25 |

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Report Prepared Friday, August 31, 2018



PARADIGM

ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 183775

Client: **BE3**

Project Reference: 31 + 150 Tonawanda St

Sample Identifier: BH-5 (4-6)

Lab Sample ID: 183775-06

Date Sampled: 8/16/2018

Matrix: Soil

Date Received: 8/17/2018

| | | | |
|------------------------|--------|-------|-----------------|
| Trichloroethene | < 5880 | ug/Kg | 8/29/2018 20:25 |
| Trichlorofluoromethane | < 5880 | ug/Kg | 8/29/2018 20:25 |
| Vinyl chloride | < 5880 | ug/Kg | 8/29/2018 20:25 |

| Surrogate | Percent Recovery | Limits | Outliers | Date Analyzed |
|-----------------------|------------------|------------|----------|-----------------|
| 1,2-Dichloroethane-d4 | 98.8 | 80.4 - 128 | | 8/29/2018 20:25 |
| 4-Bromofluorobenzene | 107 | 75.7 - 120 | | 8/29/2018 20:25 |
| Pentafluorobenzene | 100 | 85.3 - 111 | | 8/29/2018 20:25 |
| Toluene-D8 | 104 | 85 - 112 | | 8/29/2018 20:25 |

Method Reference(s): EPA 8260C
EPA 5035A - H
Data File: x53638.D

This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.

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Report Prepared Friday, August 31, 2018



PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 183775

Client: **BE3**

Project Reference: 31 + 150 Tonawanda St

Sample Identifier: BH-5 (4-6)

Lab Sample ID: 183775-06

Matrix: Soil

Date Sampled: 8/16/2018

Date Received: 8/17/2018

Volatile Tentatively Identified Compounds

| <u>Tentatively Identified Compound</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|---|----------------------|---------------------|-------------------------|-----------------------------|
| Unknown Alkane | 65300 <i>SN</i> | ug/Kg | | 8/29/2018 |
| Propylcyclohexane | 188000 <i>SN</i> | ug/Kg | | 8/29/2018 |
| Unknown | 70600 | ug/Kg | | 8/29/2018 |
| Unknown Aromatic | 113000 | ug/Kg | | 8/29/2018 |
| Unknown Aromatic | 76800 | ug/Kg | | 8/29/2018 |
| Butylcyclohexane | 90600 | ug/Kg | | 8/29/2018 |
| Unknown Aromatic | 88900 | ug/Kg | | 8/29/2018 |
| Unknown | 77900 | ug/Kg | | 8/29/2018 |
| Unknown Aromatic | 68100 | ug/Kg | | 8/29/2018 |
| Unknown | 57000 | ug/Kg | | 8/29/2018 |
| Unknown | 121000 | ug/Kg | | 8/29/2018 |
| Unknown Cyclohexane | 66300 | ug/Kg | | 8/29/2018 |
| Unknown Aromatic | 54900 | ug/Kg | | 8/29/2018 |
| Unknown Aromatic | 157000 | ug/Kg | | 8/29/2018 |
| Unknown Aromatic | 156000 | ug/Kg | | 8/29/2018 |
| Unknown | 83100 | ug/Kg | | 8/29/2018 |
| Unknown | 57400 | ug/Kg | | 8/29/2018 |
| Unknown | 53300 | ug/Kg | | 8/29/2018 |
| Unknown Naphthalene | 81000 | ug/Kg | | 8/29/2018 |
| Unknown Naphthalene | 67900 | ug/Kg | | 8/29/2018 |
| Total Reported TICS | 1790000 | ug/Kg | | 8/29/2018 |

Method Reference(s): EPA 8260C
EPA 5035A - H

Tentatively Identified Compound results are estimated values, based on Internal Standard response factors.

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Friday, August 31, 2018

mmp 8/31/18



PARADIGM

ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 183775

Client: **BE3**

Project Reference: 31 + 150 Tonawanda St

Sample Identifier: BH-4 (11.5-12)

Lab Sample ID: 183775-07

Matrix: Soil

Date Sampled: 8/16/2018

Date Received: 8/17/2018

Volatile Tentatively Identified Compounds

| <u>Tentatively Identified Compound</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|--|---------------|--------------|------------------|----------------------|
| 2,3-dimethylpentane | 17.8 | ug/Kg | JN | 8/28/2018 |
| Unknown Cyclopentane | 52.5 | ug/Kg | | 8/28/2018 |
| Unknown Cyclopentane | 19.0 | ug/Kg | | 8/28/2018 |
| Unknown | 17.3 | ug/Kg | | 8/28/2018 |
| Unknown | 32.3 | ug/Kg | | 8/28/2018 |
| Unknown | 35.4 | ug/Kg | | 8/28/2018 |
| Unknown Cyclohexane | 92.1 | ug/Kg | | 8/28/2018 |
| Unknown Cyclohexane | 44.4 | ug/Kg | | 8/28/2018 |
| Unknown | 20.3 | ug/Kg | | 8/28/2018 |
| Unknown | 17.7 | ug/Kg | | 8/28/2018 |
| Unknown Alkane | 17.0 | ug/Kg | | 8/28/2018 |
| Unknown Cyclohexane | 26.1 | ug/Kg | | 8/28/2018 |
| Unknown Cyclohexane | 45.1 | ug/Kg | | 8/28/2018 |
| Unknown Cyclohexane | 37.9 | ug/Kg | | 8/28/2018 |
| Unknown Cyclohexane | 47.0 | ug/Kg | | 8/28/2018 |
| Unknown | 21.2 | ug/Kg | | 8/28/2018 |
| Unknown Cyclohexane | 56.8 | ug/Kg | | 8/28/2018 |
| Unknown Cyclohexane | 24.2 | ug/Kg | | 8/28/2018 |
| Unknown | 40.7 | ug/Kg | | 8/28/2018 |
| Unknown | 26.6 | ug/Kg | | 8/28/2018 |
| Total Reported TICS | 691 | ug/Kg | | 8/28/2018 |

Method Reference(s): EPA 8260C
EPA 5035A - L

Tentatively Identified Compound results are estimated values, based on Internal Standard response factors.

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Report Prepared Friday, August 31, 2018

msep 2/21/18



PARADIGM

ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 183775

Client: **BE3**

Project Reference: 31 + 150 Tonawanda St

Sample Identifier: BH-4 (11.5-12)

Lab Sample ID: 183775-07

Date Sampled: 8/16/2018

Matrix: Soil

Date Received: 8/17/2018

Volatile Organics

| Analyte | Result | Units | Qualifier | Date Analyzed |
|-----------------------------|------------------------|-------|-----------|-----------------|
| 1,1,1-Trichloroethane | < 5.66 | ug/Kg | | 8/28/2018 18:43 |
| 1,1,2,2-Tetrachloroethane | < 5.66 | ug/Kg | | 8/28/2018 18:43 |
| 1,1,2-Trichloroethane | < 5.66 | ug/Kg | | 8/28/2018 18:43 |
| 1,1-Dichloroethane | < 5.66 | ug/Kg | | 8/28/2018 18:43 |
| 1,1-Dichloroethene | < 5.66 | ug/Kg | | 8/28/2018 18:43 |
| 1,2,3-Trichlorobenzene | < 14.1 | ug/Kg | | 8/28/2018 18:43 |
| 1,2,4-Trichlorobenzene | < 14.1 | ug/Kg | | 8/28/2018 18:43 |
| 1,2,4-Trimethylbenzene | < 5.66 | ug/Kg | | 8/28/2018 18:43 |
| 1,2-Dibromo-3-Chloropropane | < 28.3 | ug/Kg | | 8/28/2018 18:43 |
| 1,2-Dibromoethane | < 5.66 | ug/Kg | | 8/28/2018 18:43 |
| 1,2-Dichlorobenzene | < 5.66 | ug/Kg | | 8/28/2018 18:43 |
| 1,2-Dichloroethane | < 5.66 | ug/Kg | | 8/28/2018 18:43 |
| 1,2-Dichloropropane | < 5.66 | ug/Kg | | 8/28/2018 18:43 |
| 1,3,5-Trimethylbenzene | < 5.66 | ug/Kg | | 8/28/2018 18:43 |
| 1,3-Dichlorobenzene | < 5.66 | ug/Kg | | 8/28/2018 18:43 |
| 1,4-Dichlorobenzene | < 5.66 | ug/Kg | | 8/28/2018 18:43 |
| 1,4-Dioxane | < 5.66 R | ug/Kg | | 8/28/2018 18:43 |
| 2-Butanone | < 28.3 | ug/Kg | | 8/28/2018 18:43 |
| 2-Hexanone | < 14.1 | ug/Kg | | 8/28/2018 18:43 |
| 4-Methyl-2-pentanone | < 14.1 | ug/Kg | | 8/28/2018 18:43 |
| Acetone | 62.0 | ug/Kg | | 8/28/2018 18:43 |
| Benzene | < 5.66 | ug/Kg | | 8/28/2018 18:43 |
| Bromochloromethane | < 14.1 | ug/Kg | | 8/28/2018 18:43 |
| Bromodichloromethane | < 5.66 | ug/Kg | | 8/28/2018 18:43 |
| Bromoform | < 14.1 | ug/Kg | | 8/28/2018 18:43 |
| Bromomethane | < 5.66 | ug/Kg | | 8/28/2018 18:43 |
| Carbon disulfide | 8.58 | ug/Kg | | 8/28/2018 18:43 |

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Report Prepared Friday, August 31, 2018

over 9/12/18



PARADIGM

ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 183775

Client: **BE3**

Project Reference: 31 + 150 Tonawanda St

Sample Identifier: BH-4 (11.5-12)

Lab Sample ID: 183775-07

Date Sampled: 8/16/2018

Matrix: Soil

Date Received: 8/17/2018

| | | | |
|---------------------------|--------|-------|-----------------|
| Carbon Tetrachloride | < 5.66 | ug/Kg | 8/28/2018 18:43 |
| Chlorobenzene | < 5.66 | ug/Kg | 8/28/2018 18:43 |
| Chloroethane | < 5.66 | ug/Kg | 8/28/2018 18:43 |
| Chloroform | < 5.66 | ug/Kg | 8/28/2018 18:43 |
| Chloromethane | < 5.66 | ug/Kg | 8/28/2018 18:43 |
| cis-1,2-Dichloroethene | < 5.66 | ug/Kg | 8/28/2018 18:43 |
| cis-1,3-Dichloropropene | < 5.66 | ug/Kg | 8/28/2018 18:43 |
| Cyclohexane | < 28.3 | ug/Kg | 8/28/2018 18:43 |
| Dibromochloromethane | < 5.66 | ug/Kg | 8/28/2018 18:43 |
| Dichlorodifluoromethane | < 5.66 | ug/Kg | 8/28/2018 18:43 |
| Ethylbenzene | < 5.66 | ug/Kg | 8/28/2018 18:43 |
| Freon 113 | < 5.66 | ug/Kg | 8/28/2018 18:43 |
| Isopropylbenzene | < 5.66 | ug/Kg | 8/28/2018 18:43 |
| m,p-Xylene | 4.56 | ug/Kg | 8/28/2018 18:43 |
| Methyl acetate | < 5.66 | ug/Kg | 8/28/2018 18:43 |
| Methyl tert-butyl Ether | < 5.66 | ug/Kg | 8/28/2018 18:43 |
| Methylcyclohexane | 22.8 | ug/Kg | 8/28/2018 18:43 |
| Methylene chloride | < 14.1 | ug/Kg | 8/28/2018 18:43 |
| Naphthalene | < 14.1 | ug/Kg | 8/28/2018 18:43 |
| n-Butylbenzene | < 5.66 | ug/Kg | 8/28/2018 18:43 |
| n-Propylbenzene | < 5.66 | ug/Kg | 8/28/2018 18:43 |
| o-Xylene | < 5.66 | ug/Kg | 8/28/2018 18:43 |
| p-Isopropyltoluene | < 5.66 | ug/Kg | 8/28/2018 18:43 |
| sec-Butylbenzene | < 5.66 | ug/Kg | 8/28/2018 18:43 |
| Styrene | < 14.1 | ug/Kg | 8/28/2018 18:43 |
| tert-Butylbenzene | < 5.66 | ug/Kg | 8/28/2018 18:43 |
| Tetrachloroethene | < 5.66 | ug/Kg | 8/28/2018 18:43 |
| Toluene | < 5.66 | ug/Kg | 8/28/2018 18:43 |
| trans-1,2-Dichloroethene | < 5.66 | ug/Kg | 8/28/2018 18:43 |
| trans-1,3-Dichloropropene | < 5.66 | ug/Kg | 8/28/2018 18:43 |

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Report Prepared Friday, August 31, 2018



PARADIGM

ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 183775

Client: BE3

Project Reference: 31 + 150 Tonawanda St

Sample Identifier: BH-4 (11.5-12)

Lab Sample ID: 183775-07

Date Sampled: 8/16/2018

Matrix: Soil

Date Received: 8/17/2018

| | | | |
|------------------------|--------|-------|-----------------|
| Trichloroethene | < 5.66 | ug/Kg | 8/28/2018 18:43 |
| Trichlorofluoromethane | < 5.66 | ug/Kg | 8/28/2018 18:43 |
| Vinyl chloride | < 5.66 | ug/Kg | 8/28/2018 18:43 |

| Surrogate | Percent Recovery | Limits | Outliers | Date Analyzed |
|-----------------------|------------------|------------|----------|-----------------|
| 1,2-Dichloroethane-d4 | 103 | 80.4 - 128 | | 8/28/2018 18:43 |
| 4-Bromofluorobenzene | 99.2 | 75.7 - 120 | | 8/28/2018 18:43 |
| Pentafluorobenzene | 92.6 | 85.3 - 111 | | 8/28/2018 18:43 |
| Toluene-D8 | 103 | 85 - 112 | | 8/28/2018 18:43 |

Method Reference(s): EPA 8260C
EPA 5035A - L

Data File: x53594.D

This sample was not collected following SW846 5035A specifications. Accordingly, any Volatiles soil results that are less than 200 ug/Kg, including Non Detects, may be biased low, per ELAP method 5035 guidance document from 11/15/2012.

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Friday, August 31, 2018



PARADIGM

ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 183775

Client: BE3

Project Reference: 31 + 150 Tonawanda St

Sample Identifier: BH-6 (4-6)

Lab Sample ID: 183775-01

Date Sampled: 8/16/2018

Matrix: Soil

Date Received: 8/17/2018

Semi-Volatile Organics (Acid/Base Neutrals)

| Analyte | Result | Units | Qualifier | Date Analyzed |
|------------------------------|-----------------|-------|-----------|-----------------|
| 1,1-Biphenyl | < 349 <i>MS</i> | ug/Kg | | 8/23/2018 07:23 |
| 1,2,4,5-Tetrachlorobenzene | < 349 | ug/Kg | | 8/23/2018 07:23 |
| 1,2,4-Trichlorobenzene | < 349 | ug/Kg | | 8/23/2018 07:23 |
| 1,2-Dichlorobenzene | < 349 | ug/Kg | | 8/23/2018 07:23 |
| 1,3-Dichlorobenzene | < 349 | ug/Kg | | 8/23/2018 07:23 |
| 1,4-Dichlorobenzene | < 349 | ug/Kg | | 8/23/2018 07:23 |
| 2,2-Oxybis (1-chloropropane) | < 349 | ug/Kg | | 8/23/2018 07:23 |
| 2,3,4,6-Tetrachlorophenol | < 349 | ug/Kg | | 8/23/2018 07:23 |
| 2,4,5-Trichlorophenol | < 349 | ug/Kg | | 8/23/2018 07:23 |
| 2,4,6-Trichlorophenol | < 349 | ug/Kg | | 8/23/2018 07:23 |
| 2,4-Dichlorophenol | < 349 | ug/Kg | | 8/23/2018 07:23 |
| 2,4-Dimethylphenol | < 349 | ug/Kg | | 8/23/2018 07:23 |
| 2,4-Dinitrophenol | < 1400 | ug/Kg | | 8/23/2018 07:23 |
| 2,4-Dinitrotoluene | < 349 | ug/Kg | | 8/23/2018 07:23 |
| 2,6-Dinitrotoluene | < 349 | ug/Kg | | 8/23/2018 07:23 |
| 2-Chloronaphthalene | < 349 | ug/Kg | | 8/23/2018 07:23 |
| 2-Chlorophenol | < 349 | ug/Kg | | 8/23/2018 07:23 |
| 2-Methylnapthalene | 357 <i>MS</i> | ug/Kg | | 8/23/2018 07:23 |
| 2-Methylphenol | < 349 <i>MS</i> | ug/Kg | | 8/23/2018 07:23 |
| 2-Nitroaniline | < 349 | ug/Kg | | 8/23/2018 07:23 |
| 2-Nitrophenol | < 349 | ug/Kg | | 8/23/2018 07:23 |
| 3&4-Methylphenol | < 349 | ug/Kg | | 8/23/2018 07:23 |
| 3,3'-Dichlorobenzidine | < 349 | ug/Kg | | 8/23/2018 07:23 |
| 3-Nitroaniline | < 349 | ug/Kg | | 8/23/2018 07:23 |
| 4,6-Dinitro-2-methylphenol | < 698 | ug/Kg | | 8/23/2018 07:23 |
| 4-Bromophenyl phenyl ether | < 349 | ug/Kg | | 8/23/2018 07:23 |
| 4-Chloro-3-methylphenol | < 349 | ug/Kg | | 8/23/2018 07:23 |

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Report Prepared Friday, August 31, 2018

9/21/18



PARADIGM

ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 183775

Client: **BE3**

Project Reference: 31 + 150 Tonawanda St

Sample Identifier: BH-6 (4-6)

Lab Sample ID: 183775-01

Date Sampled: 8/16/2018

Matrix: Soil

Date Received: 8/17/2018

| | | | | |
|------------------------------|----------------|-------|---|-----------------|
| 4-Chloroaniline | < 349 <u>u</u> | ug/Kg | | 8/23/2018 07:23 |
| 4-Chlorophenyl phenyl ether | < 349 | ug/Kg | | 8/23/2018 07:23 |
| 4-Nitroaniline | < 349 | ug/Kg | | 8/23/2018 07:23 |
| 4-Nitrophenol | < 349 | ug/Kg | | 8/23/2018 07:23 |
| Acenaphthene | < 349 | ug/Kg | | 8/23/2018 07:23 |
| Acenaphthylene | < 349 | ug/Kg | | 8/23/2018 07:23 |
| Acetophenone | < 349 | ug/Kg | | 8/23/2018 07:23 |
| Anthracene | < 349 | ug/Kg | | 8/23/2018 07:23 |
| Atrazine | < 349 | ug/Kg | | 8/23/2018 07:23 |
| Benzaldehyde | < 349 <u>✓</u> | ug/Kg | | 8/23/2018 07:23 |
| Benzo (a) anthracene | 282 <u>✓</u> | ug/Kg |] | 8/23/2018 07:23 |
| Benzo (a) pyrene | 239 | ug/Kg |] | 8/23/2018 07:23 |
| Benzo (b) fluoranthene | 348 | ug/Kg |] | 8/23/2018 07:23 |
| Benzo (g,h,i) perylene | 217 | ug/Kg |] | 8/23/2018 07:23 |
| Benzo (k) fluoranthene | 224 <u>✓</u> | ug/Kg |] | 8/23/2018 07:23 |
| Bis (2-chloroethoxy) methane | < 349 <u>u</u> | ug/Kg | | 8/23/2018 07:23 |
| Bis (2-chloroethyl) ether | < 349 | ug/Kg | | 8/23/2018 07:23 |
| Bis (2-ethylhexyl) phthalate | < 349 | ug/Kg | | 8/23/2018 07:23 |
| Butylbenzylphthalate | < 349 | ug/Kg | | 8/23/2018 07:23 |
| Caprolactam | < 349 | ug/Kg | | 8/23/2018 07:23 |
| Carbazole | < 349 <u>✓</u> | ug/Kg | | 8/23/2018 07:23 |
| Chrysene | 409 <u>✓</u> | ug/Kg | | 8/23/2018 07:23 |
| Dibenz (a,h) anthracene | < 349 <u>u</u> | ug/Kg | | 8/23/2018 07:23 |
| Dibenzofuran | < 349 | ug/Kg | | 8/23/2018 07:23 |
| Diethyl phthalate | < 349 | ug/Kg | | 8/23/2018 07:23 |
| Dimethyl phthalate | < 349 | ug/Kg | | 8/23/2018 07:23 |
| Di-n-butyl phthalate | < 349 | ug/Kg | | 8/23/2018 07:23 |
| Di-n-octylphthalate | < 349 <u>✓</u> | ug/Kg | | 8/23/2018 07:23 |
| Fluoranthene | 498 <u>✓</u> | ug/Kg | | 8/23/2018 07:23 |
| Fluorene | < 349 <u>u</u> | ug/Kg | | 8/23/2018 07:23 |

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Report Prepared Friday, August 31, 2018

anal 8/21/18



PARADIGM

ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 183775

Client: BE3

Project Reference: 31 + 150 Tonawanda St

Sample Identifier: BH-6 (4-6)

Lab Sample ID: 183775-01

Date Sampled: 8/16/2018

Matrix: Soil

Date Received: 8/17/2018

| | | | | |
|----------------------------|-----------------|-------|---|-----------------|
| Hexachlorobenzene | < 349 <u>uS</u> | ug/Kg | | 8/23/2018 07:23 |
| Hexachlorobutadiene | < 349 | ug/Kg | | 8/23/2018 07:23 |
| Hexachlorocyclopentadiene | < 1400 | ug/Kg | | 8/23/2018 07:23 |
| Hexachloroethane | < 349 <u>uS</u> | ug/Kg | | 8/23/2018 07:23 |
| Indeno (1,2,3-cd) pyrene | 210 <u>J</u> | ug/Kg | J | 8/23/2018 07:23 |
| Isophorone | < 349 <u>uS</u> | ug/Kg | | 8/23/2018 07:23 |
| Naphthalene | 212 <u>J</u> | ug/Kg | J | 8/23/2018 07:23 |
| Nitrobenzene | < 349 <u>uS</u> | ug/Kg | | 8/23/2018 07:23 |
| N-Nitroso-di-n-propylamine | < 349 | ug/Kg | | 8/23/2018 07:23 |
| N-Nitrosodiphenylamine | < 349 | ug/Kg | | 8/23/2018 07:23 |
| Pentachlorophenol | < 698 | ug/Kg | | 8/23/2018 07:23 |
| Phenanthrene | 582 <u>J</u> | ug/Kg | | 8/23/2018 07:23 |
| Phenol | < 349 <u>uS</u> | ug/Kg | | 8/23/2018 07:23 |
| Pyrene | 490 <u>J</u> | ug/Kg | | 8/23/2018 07:23 |

| Surrogate | Percent Recovery | Limits | Outliers | Date Analyzed |
|----------------------|------------------|-------------|----------|-----------------|
| 2,4,6-Tribromophenol | 28.6 | 35.7 - 94.4 | * | 8/23/2018 07:23 |
| 2-Fluorobiphenyl | 33.6 | 35.7 - 85.7 | * | 8/23/2018 07:23 |
| 2-Fluorophenol | 31.1 | 39.4 - 78.1 | * | 8/23/2018 07:23 |
| Nitrobenzene-d5 | 32.6 | 36.1 - 74.4 | * | 8/23/2018 07:23 |
| Phenol-d5 | 34.3 | 40.6 - 79.3 | * | 8/23/2018 07:23 |
| Terphenyl-d14 | 33.3 | 46.6 - 99.9 | * | 8/23/2018 07:23 |

Method Reference(s): EPA 8270D
EPA 3546
Preparation Date: 8/22/2018
Data File: B30687.D

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Report Prepared Friday, August 31, 2018



PARADIGM

ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 183775

Client: BE3

Project Reference: 31 + 150 Tonawanda St

Sample Identifier: BH-6 (4-6)

Lab Sample ID: 183775-01

Matrix: Soil

Date Sampled: 8/16/2018

Date Received: 8/17/2018

Semi-Volatile Tentatively Identified Compounds

| <u>Tentatively Identified Compound</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|--|----------------------------|--------------|------------------|----------------------|
| Trichloroethylene | 4360 <i>not</i> | ug/Kg | | 8/23/2018 |
| Unknown | 1830 <i>R</i> | ug/Kg | B | 8/23/2018 |
| Unknown | 1910 <i>S</i> | ug/Kg | | 8/23/2018 |
| Unknown Alkane | 1810 | ug/Kg | | 8/23/2018 |
| Unknown Alkane | 1630 | ug/Kg | | 8/23/2018 |
| Unknown Alkane | 1570 | ug/Kg | | 8/23/2018 |
| Unknown Alkane | 1660 | ug/Kg | | 8/23/2018 |
| Unknown Alkane | 3290 | ug/Kg | | 8/23/2018 |
| Unknown Alkane | 1610 | ug/Kg | | 8/23/2018 |
| Unknown | 2990 | ug/Kg | | 8/23/2018 |
| Unknown Alkane | 1780 | ug/Kg | | 8/23/2018 |
| Unknown Alkane | 2760 | ug/Kg | | 8/23/2018 |
| Unknown Alkane | 8950 | ug/Kg | | 8/23/2018 |
| Unknown Alkane | 2870 | ug/Kg | | 8/23/2018 |
| Unknown | 2240 | ug/Kg | | 8/23/2018 |
| Unknown | 3920 | ug/Kg | | 8/23/2018 |
| Unknown Alkane | 2280 | ug/Kg | | 8/23/2018 |
| Unknown | 2260 | ug/Kg | | 8/23/2018 |
| Unknown | 2510 | ug/Kg | | 8/23/2018 |
| Unknown Alkane | 2000 | ug/Kg | | 8/23/2018 |
| Total Reported TICS | 54200 | ug/Kg | | 8/23/2018 |

Method Reference(s): EPA 8270D

EPA 3546

Preparation

8/22/2018

Date:

Tentatively Identified Compound results are estimated values, based on Internal Standard response factors.

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Friday, August 31, 2018

MSH 9/21/18



PARADIGM

ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 183775

Client: BE3

Project Reference: 31 + 150 Tonawanda St

Sample Identifier: BH-2 (19-20)

Lab Sample ID: 183775-02

Date Sampled: 8/16/2018

Matrix: Soil

Date Received: 8/17/2018

Semi-Volatile Organics (Acid/Base Neutrals)

| Analyte | Result | Units | Qualifier | Date Analyzed |
|------------------------------|--------|-------|-----------|-----------------|
| 1,1-Biphenyl | 183 | ug/Kg | J | 8/23/2018 07:51 |
| 1,2,4,5-Tetrachlorobenzene | < 280 | ug/Kg | | 8/23/2018 07:51 |
| 1,2,4-Trichlorobenzene | < 280 | ug/Kg | | 8/23/2018 07:51 |
| 1,2-Dichlorobenzene | < 280 | ug/Kg | | 8/23/2018 07:51 |
| 1,3-Dichlorobenzene | < 280 | ug/Kg | | 8/23/2018 07:51 |
| 1,4-Dichlorobenzene | < 280 | ug/Kg | | 8/23/2018 07:51 |
| 2,2-Oxybis (1-chloropropane) | < 280 | ug/Kg | | 8/23/2018 07:51 |
| 2,3,4,6-Tetrachlorophenol | < 280 | ug/Kg | | 8/23/2018 07:51 |
| 2,4,5-Trichlorophenol | < 280 | ug/Kg | | 8/23/2018 07:51 |
| 2,4,6-Trichlorophenol | < 280 | ug/Kg | | 8/23/2018 07:51 |
| 2,4-Dichlorophenol | < 280 | ug/Kg | | 8/23/2018 07:51 |
| 2,4-Dimethylphenol | < 280 | ug/Kg | | 8/23/2018 07:51 |
| 2,4-Dinitrophenol | < 1120 | ug/Kg | | 8/23/2018 07:51 |
| 2,4-Dinitrotoluene | < 280 | ug/Kg | | 8/23/2018 07:51 |
| 2,6-Dinitrotoluene | < 280 | ug/Kg | | 8/23/2018 07:51 |
| 2-Chloronaphthalene | < 280 | ug/Kg | | 8/23/2018 07:51 |
| 2-Chlorophenol | < 280 | ug/Kg | | 8/23/2018 07:51 |
| 2-Methylnapthalene | 683 | ug/Kg | | 8/23/2018 07:51 |
| 2-Methylphenol | < 280 | ug/Kg | | 8/23/2018 07:51 |
| 2-Nitroaniline | < 280 | ug/Kg | | 8/23/2018 07:51 |
| 2-Nitrophenol | < 280 | ug/Kg | | 8/23/2018 07:51 |
| 3&4-Methylphenol | < 280 | ug/Kg | | 8/23/2018 07:51 |
| 3,3'-Dichlorobenzidine | < 280 | ug/Kg | | 8/23/2018 07:51 |
| 3-Nitroaniline | < 280 | ug/Kg | | 8/23/2018 07:51 |
| 4,6-Dinitro-2-methylphenol | < 560 | ug/Kg | | 8/23/2018 07:51 |
| 4-Bromophenyl phenyl ether | < 280 | ug/Kg | | 8/23/2018 07:51 |
| 4-Chloro-3-methylphenol | < 280 | ug/Kg | | 8/23/2018 07:51 |

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Report Prepared Friday, August 31, 2018



PARADIGM

ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 183775

Client: BE3

Project Reference: 31 + 150 Tonawanda St

Sample Identifier: BH-2 (19-20)

Lab Sample ID: 183775-02

Date Sampled: 8/16/2018

Matrix: Soil

Date Received: 8/17/2018

| | | | |
|------------------------------|-------|-------|-----------------|
| 4-Chloroaniline | < 280 | ug/Kg | 8/23/2018 07:51 |
| 4-Chlorophenyl phenyl ether | < 280 | ug/Kg | 8/23/2018 07:51 |
| 4-Nitroaniline | < 280 | ug/Kg | 8/23/2018 07:51 |
| 4-Nitrophenol | < 280 | ug/Kg | 8/23/2018 07:51 |
| Acenaphthene | 438 | ug/Kg | 8/23/2018 07:51 |
| Acenaphthylene | 310 | ug/Kg | 8/23/2018 07:51 |
| Acetophenone | < 280 | ug/Kg | 8/23/2018 07:51 |
| Anthracene | < 280 | ug/Kg | 8/23/2018 07:51 |
| Atrazine | < 280 | ug/Kg | 8/23/2018 07:51 |
| Benzaldehyde | < 280 | ug/Kg | 8/23/2018 07:51 |
| Benzo (a) anthracene | < 280 | ug/Kg | 8/23/2018 07:51 |
| Benzo (a) pyrene | < 280 | ug/Kg | 8/23/2018 07:51 |
| Benzo (b) fluoranthene | < 280 | ug/Kg | 8/23/2018 07:51 |
| Benzo (g,h,i) perylene | < 280 | ug/Kg | 8/23/2018 07:51 |
| Benzo (k) fluoranthene | < 280 | ug/Kg | 8/23/2018 07:51 |
| Bis (2-chloroethoxy) methane | < 280 | ug/Kg | 8/23/2018 07:51 |
| Bis (2-chloroethyl) ether | < 280 | ug/Kg | 8/23/2018 07:51 |
| Bis (2-ethylhexyl) phthalate | < 280 | ug/Kg | 8/23/2018 07:51 |
| Butylbenzylphthalate | < 280 | ug/Kg | 8/23/2018 07:51 |
| Caprolactam | < 280 | ug/Kg | 8/23/2018 07:51 |
| Carbazole | < 280 | ug/Kg | 8/23/2018 07:51 |
| Chrysene | < 280 | ug/Kg | 8/23/2018 07:51 |
| Dibenz (a,h) anthracene | < 280 | ug/Kg | 8/23/2018 07:51 |
| Dibenzofuran | < 280 | ug/Kg | 8/23/2018 07:51 |
| Diethyl phthalate | < 280 | ug/Kg | 8/23/2018 07:51 |
| Dimethyl phthalate | < 280 | ug/Kg | 8/23/2018 07:51 |
| Di-n-butyl phthalate | < 280 | ug/Kg | 8/23/2018 07:51 |
| Di-n-octylphthalate | < 280 | ug/Kg | 8/23/2018 07:51 |
| Fluoranthene | < 280 | ug/Kg | 8/23/2018 07:51 |
| Fluorene | 226 | ug/Kg | 8/23/2018 07:51 |

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Report Prepared Friday, August 31, 2018



PARADIGM

ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 183775

Client: BE3

Project Reference: 31 + 150 Tonawanda St

Sample Identifier: BH-2 (19-20)

Lab Sample ID: 183775-02

Date Sampled: 8/16/2018

Matrix: Soil

Date Received: 8/17/2018

| | | | | | |
|----------------------------|-------------------------|---------------|-----------------|----------------------|-------|
| Hexachlorobenzene | < 280 | ug/Kg | | 8/23/2018 | 07:51 |
| Hexachlorobutadiene | < 280 | ug/Kg | | 8/23/2018 | 07:51 |
| Hexachlorocyclopentadiene | < 1120 | ug/Kg | | 8/23/2018 | 07:51 |
| Hexachloroethane | < 280 | ug/Kg | | 8/23/2018 | 07:51 |
| Indeno (1,2,3-cd) pyrene | < 280 | ug/Kg | | 8/23/2018 | 07:51 |
| Isophorone | < 280 | ug/Kg | | 8/23/2018 | 07:51 |
| Naphthalene | 2730 | ug/Kg | | 8/23/2018 | 07:51 |
| Nitrobenzene | < 280 | ug/Kg | | 8/23/2018 | 07:51 |
| N-Nitroso-di-n-propylamine | < 280 | ug/Kg | | 8/23/2018 | 07:51 |
| N-Nitrosodiphenylamine | < 280 | ug/Kg | | 8/23/2018 | 07:51 |
| Pentachlorophenol | < 560 | ug/Kg | | 8/23/2018 | 07:51 |
| Phenanthrene | 577 | ug/Kg | | 8/23/2018 | 07:51 |
| Phenol | < 280 | ug/Kg | | 8/23/2018 | 07:51 |
| Pyrene | < 280 | ug/Kg | | 8/23/2018 | 07:51 |
| Surrogate | Percent Recovery | Limits | Outliers | Date Analyzed | |
| 2,4,6-Tribromophenol | 65.6 | 35.7 - 94.4 | | 8/23/2018 | 07:51 |
| 2-Fluorobiphenyl | 64.0 | 35.7 - 85.7 | | 8/23/2018 | 07:51 |
| 2-Fluorophenol | 66.2 | 39.4 - 78.1 | | 8/23/2018 | 07:51 |
| Nitrobenzene-d5 | 63.6 | 36.1 - 74.4 | | 8/23/2018 | 07:51 |
| Phenol-d5 | 70.4 | 40.6 - 79.3 | | 8/23/2018 | 07:51 |
| Terphenyl-d14 | 71.9 | 46.6 - 99.9 | | 8/23/2018 | 07:51 |

Method Reference(s): EPA 8270D
EPA 3546
Preparation Date: 8/22/2018
Data File: B30688.D

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Report Prepared Friday, August 31, 2018



PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 183775

Client: **BE3**

Project Reference: 31 + 150 Tonawanda St

Sample Identifier: BH-2 (19-20)

Lab Sample ID: 183775-02

Date Sampled: 8/16/2018

Matrix: Soil

Date Received: 8/17/2018

Semi-Volatile Tentatively Identified Compounds

| <u>Tentatively Identified Compound</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|--|-------------------|--------------|------------------|----------------------|
| Unknown | 3080 R | ug/Kg | B | 8/23/2018 |
| Unknown Aromatic | 261 JN | ug/Kg | | 8/23/2018 |
| Unknown PAH | 1010 | ug/Kg | | 8/23/2018 |
| N,N-Dimethylnaphthalene | 363 | ug/Kg | | 8/23/2018 |
| N,N-Dimethylnaphthalene | 431 | ug/Kg | | 8/23/2018 |
| Unknown | 242 | ug/Kg | | 8/23/2018 |
| Unknown Alkane | 331 | ug/Kg | | 8/23/2018 |
| Unknown | 240 | ug/Kg | | 8/23/2018 |
| Unknown | 880 | ug/Kg | | 8/23/2018 |
| Unknown Alkane | 295 | ug/Kg | | 8/23/2018 |
| Total Reported TICS | 7120 | ug/Kg | | 8/23/2018 |

Method Reference(s): EPA 8270D

EPA 3546

Preparation
Date:

8/22/2018

Tentatively Identified Compound results are estimated values, based on Internal Standard response factors.

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Friday, August 31, 2018



PARADIGM

ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 183775

Client: **BE3**

Project Reference: 31 + 150 Tonawanda St

Sample Identifier: BH-1 (0-3)

Lab Sample ID: 183775-03

Date Sampled: 8/16/2018

Matrix: Soil

Date Received: 8/17/2018

Semi-Volatile Organics (Acid/Base Neutrals)

| Analyte | Result | Units | Qualifier | Date Analyzed |
|------------------------------|--------|-------|-----------|-----------------|
| 1,1-Biphenyl | < 1560 | ug/Kg | | 8/23/2018 08:21 |
| 1,2,4,5-Tetrachlorobenzene | < 1560 | ug/Kg | | 8/23/2018 08:21 |
| 1,2,4-Trichlorobenzene | < 1560 | ug/Kg | | 8/23/2018 08:21 |
| 1,2-Dichlorobenzene | < 1560 | ug/Kg | | 8/23/2018 08:21 |
| 1,3-Dichlorobenzene | < 1560 | ug/Kg | | 8/23/2018 08:21 |
| 1,4-Dichlorobenzene | < 1560 | ug/Kg | | 8/23/2018 08:21 |
| 2,2-Oxybis (1-chloropropane) | < 1560 | ug/Kg | | 8/23/2018 08:21 |
| 2,3,4,6-Tetrachlorophenol | < 1560 | ug/Kg | | 8/23/2018 08:21 |
| 2,4,5-Trichlorophenol | < 1560 | ug/Kg | | 8/23/2018 08:21 |
| 2,4,6-Trichlorophenol | < 1560 | ug/Kg | | 8/23/2018 08:21 |
| 2,4-Dichlorophenol | < 1560 | ug/Kg | | 8/23/2018 08:21 |
| 2,4-Dimethylphenol | < 1560 | ug/Kg | | 8/23/2018 08:21 |
| 2,4-Dinitrophenol | < 6250 | ug/Kg | | 8/23/2018 08:21 |
| 2,4-Dinitrotoluene | < 1560 | ug/Kg | | 8/23/2018 08:21 |
| 2,6-Dinitrotoluene | < 1560 | ug/Kg | | 8/23/2018 08:21 |
| 2-Chloronaphthalene | < 1560 | ug/Kg | | 8/23/2018 08:21 |
| 2-Chlorophenol | < 1560 | ug/Kg | | 8/23/2018 08:21 |
| 2-Methylnapthalene | < 1560 | ug/Kg | | 8/23/2018 08:21 |
| 2-Methylphenol | < 1560 | ug/Kg | | 8/23/2018 08:21 |
| 2-Nitroaniline | < 1560 | ug/Kg | | 8/23/2018 08:21 |
| 2-Nitrophenol | < 1560 | ug/Kg | | 8/23/2018 08:21 |
| 3&4-Methylphenol | < 1560 | ug/Kg | | 8/23/2018 08:21 |
| 3,3'-Dichlorobenzidine | < 1560 | ug/Kg | | 8/23/2018 08:21 |
| 3-Nitroaniline | < 1560 | ug/Kg | | 8/23/2018 08:21 |
| 4,6-Dinitro-2-methylphenol | < 3120 | ug/Kg | | 8/23/2018 08:21 |
| 4-Bromophenyl phenyl ether | < 1560 | ug/Kg | | 8/23/2018 08:21 |
| 4-Chloro-3-methylphenol | < 1560 | ug/Kg | | 8/23/2018 08:21 |

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Report Prepared Friday, August 31, 2018



PARADIGM

ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 183775

Client: **BE3**

Project Reference: 31 + 150 Tonawanda St

Sample Identifier: BH-1 (0-3)

Lab Sample ID: 183775-03

Date Sampled: 8/16/2018

Matrix: Soil

Date Received: 8/17/2018

| | | | |
|------------------------------|--------|-------|-----------------|
| 4-Chloroaniline | < 1560 | ug/Kg | 8/23/2018 08:21 |
| 4-Chlorophenyl phenyl ether | < 1560 | ug/Kg | 8/23/2018 08:21 |
| 4-Nitroaniline | < 1560 | ug/Kg | 8/23/2018 08:21 |
| 4-Nitrophenol | < 1560 | ug/Kg | 8/23/2018 08:21 |
| Acenaphthene | 1230 | ug/Kg | 8/23/2018 08:21 |
| Acenaphthylene | < 1560 | ug/Kg | 8/23/2018 08:21 |
| Acetophenone | < 1560 | ug/Kg | 8/23/2018 08:21 |
| Anthracene | 2250 | ug/Kg | 8/23/2018 08:21 |
| Atrazine | < 1560 | ug/Kg | 8/23/2018 08:21 |
| Benzaldehyde | < 1560 | ug/Kg | 8/23/2018 08:21 |
| Benzo (a) anthracene | 7170 | ug/Kg | 8/23/2018 08:21 |
| Benzo (a) pyrene | 6370 | ug/Kg | 8/23/2018 08:21 |
| Benzo (b) fluoranthene | 6760 | ug/Kg | 8/23/2018 08:21 |
| Benzo (g,h,i) perylene | 4250 | ug/Kg | 8/23/2018 08:21 |
| Benzo (k) fluoranthene | 5410 | ug/Kg | 8/23/2018 08:21 |
| Bis (2-chloroethoxy) methane | < 1560 | ug/Kg | 8/23/2018 08:21 |
| Bis (2-chloroethyl) ether | < 1560 | ug/Kg | 8/23/2018 08:21 |
| Bis (2-ethylhexyl) phthalate | < 1560 | ug/Kg | 8/23/2018 08:21 |
| Butylbenzylphthalate | < 1560 | ug/Kg | 8/23/2018 08:21 |
| Caprolactam | < 1560 | ug/Kg | 8/23/2018 08:21 |
| Carbazole | 2150 | ug/Kg | 8/23/2018 08:21 |
| Chrysene | 8830 | ug/Kg | 8/23/2018 08:21 |
| Dibenz (a,h) anthracene | 1560 | ug/Kg | 8/23/2018 08:21 |
| Dibenzofuran | < 1560 | ug/Kg | 8/23/2018 08:21 |
| Diethyl phthalate | < 1560 | ug/Kg | 8/23/2018 08:21 |
| Dimethyl phthalate | < 1560 | ug/Kg | 8/23/2018 08:21 |
| Di-n-butyl phthalate | < 1560 | ug/Kg | 8/23/2018 08:21 |
| Di-n-octylphthalate | < 1560 | ug/Kg | 8/23/2018 08:21 |
| Fluoranthene | 18800 | ug/Kg | 8/23/2018 08:21 |
| Fluorene | 1060 | ug/Kg | 8/23/2018 08:21 |

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Report Prepared Friday, August 31, 2018



PARADIGM

ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 183775

Client: **BE3**

Project Reference: 31 + 150 Tonawanda St

Sample Identifier: BH-1 (0-3)

Lab Sample ID: 183775-03

Date Sampled: 8/16/2018

Matrix: Soil

Date Received: 8/17/2018

| | | | | |
|----------------------------|--------|-------|---|-----------------|
| Hexachlorobenzene | < 1560 | ug/Kg | | 8/23/2018 08:21 |
| Hexachlorobutadiene | < 1560 | ug/Kg | | 8/23/2018 08:21 |
| Hexachlorocyclopentadiene | < 6250 | ug/Kg | | 8/23/2018 08:21 |
| Hexachloroethane | < 1560 | ug/Kg | | 8/23/2018 08:21 |
| Indeno (1,2,3-cd) pyrene | 4890 | ug/Kg | | 8/23/2018 08:21 |
| Isophorone | < 1560 | ug/Kg | | 8/23/2018 08:21 |
| Naphthalene | 884 | ug/Kg | J | 8/23/2018 08:21 |
| Nitrobenzene | < 1560 | ug/Kg | | 8/23/2018 08:21 |
| N-Nitroso-di-n-propylamine | < 1560 | ug/Kg | | 8/23/2018 08:21 |
| N-Nitrosodiphenylamine | < 1560 | ug/Kg | | 8/23/2018 08:21 |
| Pentachlorophenol | < 3120 | ug/Kg | | 8/23/2018 08:21 |
| Phenanthrene | 15100 | ug/Kg | | 8/23/2018 08:21 |
| Phenol | < 1560 | ug/Kg | | 8/23/2018 08:21 |
| Pyrene | 16000 | ug/Kg | | 8/23/2018 08:21 |

| Surrogate | Percent Recovery | Limits | Outliers | Date Analyzed |
|----------------------|------------------|-------------|----------|-----------------|
| 2,4,6-Tribromophenol | 39.4 | 35.7 - 94.4 | | 8/23/2018 08:21 |
| 2-Fluorobiphenyl | 48.4 | 35.7 - 85.7 | | 8/23/2018 08:21 |
| 2-Fluorophenol | 49.8 | 39.4 - 78.1 | | 8/23/2018 08:21 |
| Nitrobenzene-d5 | 49.7 | 36.1 - 74.4 | | 8/23/2018 08:21 |
| Phenol-d5 | 53.1 | 40.6 - 79.3 | | 8/23/2018 08:21 |
| Terphenyl-d14 | 46.7 | 46.6 - 99.9 | | 8/23/2018 08:21 |

Method Reference(s): EPA 8270D

EPA 3546

Preparation Date: 8/22/2018

Data File: E30689.D

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Report Prepared Friday, August 31, 2018



PARADIGM

ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 183775

Client: BE3

Project Reference: 31 + 150 Tonawanda St

Sample Identifier: BH-1 (0-3)

Lab Sample ID: 183775-03

Matrix: Soil

Date Sampled: 8/16/2018

Date Received: 8/17/2018

Semi-Volatile Tentatively Identified Compounds

| <u>Tentatively Identified Compound</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|--|-------------------|--------------|------------------|----------------------|
| Unknown | 8040 R | ug/Kg | B | 8/23/2018 |
| Unknown PAH | 1380 J | ug/Kg | | 8/23/2018 |
| Unknown PAH | 2260 J | ug/Kg | | 8/23/2018 |
| 9,10-Anthracenedione | 3090 JH | ug/Kg | | 8/23/2018 |
| Unknown PAH | 1710 J | ug/Kg | | 8/23/2018 |
| 7H-Benz[de]anthracen-7-one | 1820 JH | ug/Kg | | 8/23/2018 |
| Benzo[b]naptho[n,n-d]thiophene | 1600 JH | ug/Kg | | 8/23/2018 |
| Unknown PAH | 1770 J | ug/Kg | | 8/23/2018 |
| Unknown | 2290 | ug/Kg | | 8/23/2018 |
| Unknown PAH | 1290 | ug/Kg | | 8/23/2018 |
| Unknown Benzocarbazole | 1360 | ug/Kg | | 8/23/2018 |
| Unknown PAH | 1610 | ug/Kg | | 8/23/2018 |
| Unknown | 1440 | ug/Kg | | 8/23/2018 |
| Unknown Ketone | 2000 | ug/Kg | | 8/23/2018 |
| Unknown PAH | 2480 | ug/Kg | | 8/23/2018 |
| Unknown PAH | 3900 | ug/Kg | | 8/23/2018 |
| Unknown | 1910 | ug/Kg | | 8/23/2018 |
| Unknown | 1480 | ug/Kg | | 8/23/2018 |
| Total Reported TICS | 41400 | ug/Kg | | 8/23/2018 |

Method Reference(s): EPA 8270D

EPA 3546

Preparation
Date:

8/22/2018

Tentatively Identified Compound results are estimated values, based on Internal Standard response factors.

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Friday, August 31, 2018

met 9/21/18



PARADIGM

ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 183775

Client: **BE3**

Project Reference: 31 + 150 Tonawanda St

Sample Identifier: BH-2 (13.5-15)

Lab Sample ID: 183775-04

Date Sampled: 8/16/2018

Matrix: Soil

Date Received: 8/17/2018

Semi-Volatile Organics (Acid/Base Neutrals)

| Analyte | Result | Units | Qualifier | Date Analyzed |
|------------------------------|--------|-------|-----------|-----------------|
| 1,1-Biphenyl | < 440 | ug/Kg | | 8/23/2018 08:50 |
| 1,2,4,5-Tetrachlorobenzene | < 440 | ug/Kg | | 8/23/2018 08:50 |
| 1,2,4-Trichlorobenzene | < 440 | ug/Kg | | 8/23/2018 08:50 |
| 1,2-Dichlorobenzene | < 440 | ug/Kg | | 8/23/2018 08:50 |
| 1,3-Dichlorobenzene | < 440 | ug/Kg | | 8/23/2018 08:50 |
| 1,4-Dichlorobenzene | < 440 | ug/Kg | | 8/23/2018 08:50 |
| 2,2-Oxybis (1-chloropropane) | < 440 | ug/Kg | | 8/23/2018 08:50 |
| 2,3,4,6-Tetrachlorophenol | < 440 | ug/Kg | | 8/23/2018 08:50 |
| 2,4,5-Trichlorophenol | < 440 | ug/Kg | | 8/23/2018 08:50 |
| 2,4,6-Trichlorophenol | < 440 | ug/Kg | | 8/23/2018 08:50 |
| 2,4-Dichlorophenol | < 440 | ug/Kg | | 8/23/2018 08:50 |
| 2,4-Dimethylphenol | < 440 | ug/Kg | | 8/23/2018 08:50 |
| 2,4-Dinitrophenol | < 1760 | ug/Kg | | 8/23/2018 08:50 |
| 2,4-Dinitrotoluene | < 440 | ug/Kg | | 8/23/2018 08:50 |
| 2,6-Dinitrotoluene | < 440 | ug/Kg | | 8/23/2018 08:50 |
| 2-Chloronaphthalene | < 440 | ug/Kg | | 8/23/2018 08:50 |
| 2-Chlorophenol | < 440 | ug/Kg | | 8/23/2018 08:50 |
| 2-Methylnapthalene | < 440 | ug/Kg | | 8/23/2018 08:50 |
| 2-Methylphenol | < 440 | ug/Kg | | 8/23/2018 08:50 |
| 2-Nitroaniline | < 440 | ug/Kg | | 8/23/2018 08:50 |
| 2-Nitrophenol | < 440 | ug/Kg | | 8/23/2018 08:50 |
| 3&4-Methylphenol | < 440 | ug/Kg | | 8/23/2018 08:50 |
| 3,3'-Dichlorobenzidine | < 440 | ug/Kg | | 8/23/2018 08:50 |
| 3-Nitroaniline | < 440 | ug/Kg | | 8/23/2018 08:50 |
| 4,6-Dinitro-2-methylphenol | < 880 | ug/Kg | | 8/23/2018 08:50 |
| 4-Bromophenyl phenyl ether | < 440 | ug/Kg | | 8/23/2018 08:50 |
| 4-Chloro-3-methylphenol | < 440 | ug/Kg | | 8/23/2018 08:50 |

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Report Prepared Friday, August 31, 2018



PARADIGM

ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 183775

Client: **BE3**

Project Reference: 31 + 150 Tonawanda St

Sample Identifier: BH-2 (13.5-15)

Lab Sample ID: 183775-04

Date Sampled: 8/16/2018

Matrix: Soil

Date Received: 8/17/2018

| | | | | |
|------------------------------|-------|---|-------|-----------------|
| 4-Chloroaniline | < 440 | ✓ | ug/Kg | 8/23/2018 08:50 |
| 4-Chlorophenyl phenyl ether | < 440 | | ug/Kg | 8/23/2018 08:50 |
| 4-Nitroaniline | < 440 | | ug/Kg | 8/23/2018 08:50 |
| 4-Nitrophenol | < 440 | | ug/Kg | 8/23/2018 08:50 |
| Acenaphthene | < 440 | | ug/Kg | 8/23/2018 08:50 |
| Acenaphthylene | < 440 | | ug/Kg | 8/23/2018 08:50 |
| Acetophenone | < 440 | ✓ | ug/Kg | 8/23/2018 08:50 |
| Anthracene | 731 | ✓ | ug/Kg | 8/23/2018 08:50 |
| Atrazine | < 440 | ✓ | ug/Kg | 8/23/2018 08:50 |
| Benzaldehyde | < 440 | ✓ | ug/Kg | 8/23/2018 08:50 |
| Benzo (a) anthracene | 1450 | ✓ | ug/Kg | 8/23/2018 08:50 |
| Benzo (a) pyrene | 908 | | ug/Kg | 8/23/2018 08:50 |
| Benzo (b) fluoranthene | 663 | | ug/Kg | 8/23/2018 08:50 |
| Benzo (g,h,i) perylene | 354 | | ug/Kg | 8/23/2018 08:50 |
| Benzo (k) fluoranthene | 762 | ✓ | ug/Kg | 8/23/2018 08:50 |
| Bis (2-chloroethoxy) methane | < 440 | ✓ | ug/Kg | 8/23/2018 08:50 |
| Bis (2-chloroethyl) ether | < 440 | | ug/Kg | 8/23/2018 08:50 |
| Bis (2-ethylhexyl) phthalate | < 440 | | ug/Kg | 8/23/2018 08:50 |
| Butylbenzylphthalate | < 440 | | ug/Kg | 8/23/2018 08:50 |
| Caprolactam | < 440 | | ug/Kg | 8/23/2018 08:50 |
| Carbazole | < 440 | ✓ | ug/Kg | 8/23/2018 08:50 |
| Chrysene | 1300 | ✓ | ug/Kg | 8/23/2018 08:50 |
| Dibenz (a,h) anthracene | < 440 | ✓ | ug/Kg | 8/23/2018 08:50 |
| Dibenzofuran | < 440 | | ug/Kg | 8/23/2018 08:50 |
| Diethyl phthalate | < 440 | | ug/Kg | 8/23/2018 08:50 |
| Dimethyl phthalate | < 440 | | ug/Kg | 8/23/2018 08:50 |
| Di-n-butyl phthalate | < 440 | | ug/Kg | 8/23/2018 08:50 |
| Di-n-octylphthalate | < 440 | ✓ | ug/Kg | 8/23/2018 08:50 |
| Fluoranthene | 2290 | ✓ | ug/Kg | 8/23/2018 08:50 |
| Fluorene | 283 | ✓ | ug/Kg | 8/23/2018 08:50 |

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Report Prepared Friday, August 31, 2018



PARADIGM

ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 183775

Client: **BE3**

Project Reference: 31 + 150 Tonawanda St

Sample Identifier: BH-2 (13.5-15)

Lab Sample ID: 183775-04

Date Sampled: 8/16/2018

Matrix: Soil

Date Received: 8/17/2018

| | | | |
|----------------------------|-----------------|-------|-----------------|
| Hexachlorobenzene | < 440 <i>MS</i> | ug/Kg | 8/23/2018 08:50 |
| Hexachlorobutadiene | < 440 | ug/Kg | 8/23/2018 08:50 |
| Hexachlorocyclopentadiene | < 1760 | ug/Kg | 8/23/2018 08:50 |
| Hexachloroethane | < 440 | ug/Kg | 8/23/2018 08:50 |
| Indeno (1,2,3-cd) pyrene | 458 <i>J</i> | ug/Kg | 8/23/2018 08:50 |
| Isophorone | < 440 <i>MS</i> | ug/Kg | 8/23/2018 08:50 |
| Naphthalene | < 440 | ug/Kg | 8/23/2018 08:50 |
| Nitrobenzene | < 440 | ug/Kg | 8/23/2018 08:50 |
| N-Nitroso-di-n-propylamine | < 440 | ug/Kg | 8/23/2018 08:50 |
| N-Nitrosodiphenylamine | < 440 | ug/Kg | 8/23/2018 08:50 |
| Pentachlorophenol | < 880 | ug/Kg | 8/23/2018 08:50 |
| Phenanthrene | 1410 <i>J</i> | ug/Kg | 8/23/2018 08:50 |
| Phenol | < 440 <i>MS</i> | ug/Kg | 8/23/2018 08:50 |
| Pyrene | 1960 <i>J</i> | ug/Kg | 8/23/2018 08:50 |

| Surrogate | Percent Recovery | Limits | Outliers | Date Analyzed |
|----------------------|------------------|-------------|----------|-----------------|
| 2,4,6-Tribromophenol | 26.8 | 35.7 - 94.4 | * | 8/23/2018 08:50 |
| 2-Fluorobiphenyl | 30.2 | 35.7 - 85.7 | * | 8/23/2018 08:50 |
| 2-Fluorophenol | 30.2 | 39.4 - 78.1 | * | 8/23/2018 08:50 |
| Nitrobenzene-d5 | 21.4 | 36.1 - 74.4 | * | 8/23/2018 08:50 |
| Phenol-d5 | 32.3 | 40.6 - 79.3 | * | 8/23/2018 08:50 |
| Terphenyl-d14 | 27.7 | 46.6 - 99.9 | * | 8/23/2018 08:50 |

Method Reference(s): EPA 8270D
EPA 3546
Preparation Date: 8/22/2018
Data File: B30690.D

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Report Prepared Friday, August 31, 2018

mcd 9/21/18



PARADIGM

ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 183775

Client: BE3

Project Reference: 31 + 150 Tonawanda St

Sample Identifier: BH-2 (13.5-15)

Lab Sample ID: 183775-04

Date Sampled: 8/16/2018

Matrix: Soil

Date Received: 8/17/2018

Semi-Volatile Tentatively Identified Compounds

| <u>Tentatively Identified Compound</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|--|---------------|--------------|------------------|----------------------|
| Unknown | 3500 R | ug/Kg | B | 8/23/2018 |
| Unknown Alkane | 636 J | ug/Kg | | 8/23/2018 |
| Unknown Alkane | 620 | ug/Kg | | 8/23/2018 |
| Unknown | 1530 | ug/Kg | | 8/23/2018 |
| Unknown PAH | 585 | ug/Kg | | 8/23/2018 |
| Unknown | 889 | ug/Kg | | 8/23/2018 |
| Unknown | 583 | ug/Kg | | 8/23/2018 |
| Unknown PAH | 650 | ug/Kg | | 8/23/2018 |
| Sulfur | 4290 | ug/Kg | | 8/23/2018 |
| Unknown PAH | 671 | ug/Kg | | 8/23/2018 |
| Unknown Alkane | 672 | ug/Kg | | 8/23/2018 |
| Unknown | 587 | ug/Kg | | 8/23/2018 |
| Unknown | 591 | ug/Kg | | 8/23/2018 |
| Unknown PAH | 709 | ug/Kg | | 8/23/2018 |
| Unknown | 1100 | ug/Kg | | 8/23/2018 |
| Unknown | 1090 | ug/Kg | | 8/23/2018 |
| Unknown | 722 | ug/Kg | | 8/23/2018 |
| Unknown | 959 | ug/Kg | | 8/23/2018 |
| Unknown | 845 | ug/Kg | | 8/23/2018 |
| Unknown | 774 | ug/Kg | | 8/23/2018 |
| Total Reported TICS | 22000 | ug/Kg | | 8/23/2018 |

Method Reference(s): EPA 8270D

EPA 3546

Preparation

8/22/2018

Date:

Tentatively Identified Compound results are estimated values, based on Internal Standard response factors.

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Report Prepared Friday, August 31, 2018



PARADIGM

ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 183775

Client: BE3

Project Reference: 31 + 150 Tonawanda St

Sample Identifier: BH-3S (12-13.5)

Lab Sample ID: 183775-05

Date Sampled: 8/16/2018

Matrix: Soil

Date Received: 8/17/2018

Semi-Volatile Organics (Acid/Base Neutrals)

| Analyte | Result | Units | Qualifier | Date Analyzed |
|------------------------------|------------------|-------|-----------|-----------------|
| 1,1-Biphenyl | < 528 \wedge 5 | ug/Kg | | 8/23/2018 09:19 |
| 1,2,4,5-Tetrachlorobenzene | < 528 | ug/Kg | | 8/23/2018 09:19 |
| 1,2,4-Trichlorobenzene | < 528 | ug/Kg | | 8/23/2018 09:19 |
| 1,2-Dichlorobenzene | < 528 | ug/Kg | | 8/23/2018 09:19 |
| 1,3-Dichlorobenzene | < 528 | ug/Kg | | 8/23/2018 09:19 |
| 1,4-Dichlorobenzene | < 528 | ug/Kg | | 8/23/2018 09:19 |
| 2,2-Oxybis (1-chloropropane) | < 528 | ug/Kg | | 8/23/2018 09:19 |
| 2,3,4,6-Tetrachlorophenol | < 528 | ug/Kg | | 8/23/2018 09:19 |
| 2,4,5-Trichlorophenol | < 528 | ug/Kg | | 8/23/2018 09:19 |
| 2,4,6-Trichlorophenol | < 528 | ug/Kg | | 8/23/2018 09:19 |
| 2,4-Dichlorophenol | < 528 | ug/Kg | | 8/23/2018 09:19 |
| 2,4-Dimethylphenol | < 528 | ug/Kg | | 8/23/2018 09:19 |
| 2,4-Dinitrophenol | < 2110 | ug/Kg | | 8/23/2018 09:19 |
| 2,4-Dinitrotoluene | < 528 | ug/Kg | | 8/23/2018 09:19 |
| 2,6-Dinitrotoluene | < 528 | ug/Kg | | 8/23/2018 09:19 |
| 2-Chloronaphthalene | < 528 | ug/Kg | | 8/23/2018 09:19 |
| 2-Chlorophenol | < 528 | ug/Kg | | 8/23/2018 09:19 |
| 2-Methylnapthalene | 606 J | ug/Kg | | 8/23/2018 09:19 |
| 2-Methylphenol | < 528 \wedge 5 | ug/Kg | | 8/23/2018 09:19 |
| 2-Nitroaniline | < 528 | ug/Kg | | 8/23/2018 09:19 |
| 2-Nitrophenol | < 528 | ug/Kg | | 8/23/2018 09:19 |
| 3&4-Methylphenol | 480 J | ug/Kg | J | 8/23/2018 09:19 |
| 3,3'-Dichlorobenzidine | < 528 \wedge 5 | ug/Kg | | 8/23/2018 09:19 |
| 3-Nitroaniline | < 528 | ug/Kg | | 8/23/2018 09:19 |
| 4,6-Dinitro-2-methylphenol | < 1060 | ug/Kg | | 8/23/2018 09:19 |
| 4-Bromophenyl phenyl ether | < 528 | ug/Kg | | 8/23/2018 09:19 |
| 4-Chloro-3-methylphenol | < 528 | ug/Kg | | 8/23/2018 09:19 |

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Report Prepared Friday, August 31, 2018



PARADIGM

ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 183775

Client: BE3

Project Reference: 31 + 150 Tonawanda St

Sample Identifier: BH-3S (12-13.5)

Lab Sample ID: 183775-05

Date Sampled: 8/16/2018

Matrix: Soil

Date Received: 8/17/2018

| | | | | |
|------------------------------|-------|----|-------|-----------------|
| 4-Chloroaniline | < 528 | WS | ug/Kg | 8/23/2018 09:19 |
| 4-Chlorophenyl phenyl ether | < 528 | | ug/Kg | 8/23/2018 09:19 |
| 4-Nitroaniline | < 528 | | ug/Kg | 8/23/2018 09:19 |
| 4-Nitrophenol | < 528 | | ug/Kg | 8/23/2018 09:19 |
| Acenaphthene | 1460 | J | ug/Kg | 8/23/2018 09:19 |
| Acenaphthylene | 595 | J | ug/Kg | 8/23/2018 09:19 |
| Acetophenone | < 528 | WS | ug/Kg | 8/23/2018 09:19 |
| Anthracene | 1760 | J | ug/Kg | 8/23/2018 09:19 |
| Atrazine | < 528 | WS | ug/Kg | 8/23/2018 09:19 |
| Benzaldehyde | < 528 | | ug/Kg | 8/23/2018 09:19 |
| Benzo (a) anthracene | 2580 | J | ug/Kg | 8/23/2018 09:19 |
| Benzo (a) pyrene | 1680 | | ug/Kg | 8/23/2018 09:19 |
| Benzo (b) fluoranthene | 1140 | | ug/Kg | 8/23/2018 09:19 |
| Benzo (g,h,i) perylene | 908 | | ug/Kg | 8/23/2018 09:19 |
| Benzo (k) fluoranthene | 1020 | | ug/Kg | 8/23/2018 09:19 |
| Bis (2-chloroethoxy) methane | < 528 | WS | ug/Kg | 8/23/2018 09:19 |
| Bis (2-chloroethyl) ether | < 528 | | ug/Kg | 8/23/2018 09:19 |
| Bis (2-ethylhexyl) phthalate | < 528 | | ug/Kg | 8/23/2018 09:19 |
| Butylbenzylphthalate | < 528 | | ug/Kg | 8/23/2018 09:19 |
| Caprolactam | < 528 | | ug/Kg | 8/23/2018 09:19 |
| Carbazole | < 528 | | ug/Kg | 8/23/2018 09:19 |
| Chrysene | 2880 | J | ug/Kg | 8/23/2018 09:19 |
| Dibenz (a,h) anthracene | < 528 | WS | ug/Kg | 8/23/2018 09:19 |
| Dibenzofuran | < 528 | | ug/Kg | 8/23/2018 09:19 |
| Diethyl phthalate | < 528 | | ug/Kg | 8/23/2018 09:19 |
| Dimethyl phthalate | < 528 | | ug/Kg | 8/23/2018 09:19 |
| Di-n-butyl phthalate | < 528 | | ug/Kg | 8/23/2018 09:19 |
| Di-n-octylphthalate | < 528 | | ug/Kg | 8/23/2018 09:19 |
| Fluoranthene | 4360 | J | ug/Kg | 8/23/2018 09:19 |
| Fluorene | 1140 | J | ug/Kg | 8/23/2018 09:19 |

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Report Prepared Friday, August 31, 2018



PARADIGM

ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 183775

Client: **BE3**

Project Reference: 31 + 150 Tonawanda St

Sample Identifier: BH-3S (12-13.5)

Lab Sample ID: 183775-05

Date Sampled: 8/16/2018

Matrix: Soil

Date Received: 8/17/2018

| | | | |
|----------------------------|-----------------|-------|-----------------|
| Hexachlorobenzene | < 528 <i>uJ</i> | ug/Kg | 8/23/2018 09:19 |
| Hexachlorobutadiene | < 528 | ug/Kg | 8/23/2018 09:19 |
| Hexachlorocyclopentadiene | < 2110 | ug/Kg | 8/23/2018 09:19 |
| Hexachloroethane | < 528 <i>J</i> | ug/Kg | 8/23/2018 09:19 |
| Indeno (1,2,3-cd) pyrene | 829 <i>J</i> | ug/Kg | 8/23/2018 09:19 |
| Isophorone | < 528 <i>uJ</i> | ug/Kg | 8/23/2018 09:19 |
| Naphthalene | 701 <i>J</i> | ug/Kg | 8/23/2018 09:19 |
| Nitrobenzene | < 528 <i>uJ</i> | ug/Kg | 8/23/2018 09:19 |
| N-Nitroso-di-n-propylamine | < 528 | ug/Kg | 8/23/2018 09:19 |
| N-Nitrosodiphenylamine | < 528 | ug/Kg | 8/23/2018 09:19 |
| Pentachlorophenol | < 1060 | ug/Kg | 8/23/2018 09:19 |
| Phenanthrene | 5110 <i>J</i> | ug/Kg | 8/23/2018 09:19 |
| Phenol | < 528 <i>uJ</i> | ug/Kg | 8/23/2018 09:19 |
| Pyrene | 7750 <i>J</i> | ug/Kg | 8/23/2018 09:19 |

| Surrogate | Percent Recovery | Limits | Outliers | Date Analyzed |
|----------------------|------------------|-------------|----------|-----------------|
| 2,4,6-Tribromophenol | 34.7 | 35.7 - 94.4 | * | 8/23/2018 09:19 |
| 2-Fluorobiphenyl | 37.4 | 35.7 - 85.7 | | 8/23/2018 09:19 |
| 2-Fluorophenol | 36.9 | 39.4 - 78.1 | * | 8/23/2018 09:19 |
| Nitrobenzene-d5 | 32.6 | 36.1 - 74.4 | * | 8/23/2018 09:19 |
| Phenol-d5 | 38.7 | 40.6 - 79.3 | * | 8/23/2018 09:19 |
| Terphenyl-d14 | 37.1 | 46.6 - 99.9 | * | 8/23/2018 09:19 |

Method Reference(s): EPA 8270D

EPA 3546

Preparation Date: 8/22/2018

Data File: B30691.D

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Friday, August 31, 2018

mvpq/21/18



PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 183775

Client: BE3

Project Reference: 31 + 150 Tonawanda St

Sample Identifier: BH-3S (12-13.5)

Lab Sample ID: 183775-05

Date Sampled: 8/16/2018

Matrix: Soil

Date Received: 8/17/2018

Semi-Volatile Tentatively Identified Compounds

| <u>Tentatively Identified Compound</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|--|----------------|--------------|------------------|----------------------|
| Unknown | 5910 <i>R</i> | ug/Kg | B | 8/23/2018 |
| Unknown Alkane | 3680 <i>J</i> | ug/Kg | | 8/23/2018 |
| Unknown | 4700 | ug/Kg | | 8/23/2018 |
| Unknown | 1500 | ug/Kg | | 8/23/2018 |
| Unknown Alkane | 1680 | ug/Kg | | 8/23/2018 |
| Unknown PAH | 1840 | ug/Kg | | 8/23/2018 |
| Unknown PAH | 2110 | ug/Kg | | 8/23/2018 |
| Unknown PAH | 3630 | ug/Kg | | 8/23/2018 |
| Unknown | 1690 | ug/Kg | | 8/23/2018 |
| Unknown | 1630 | ug/Kg | | 8/23/2018 |
| Unknown PAH | 2040 | ug/Kg | | 8/23/2018 |
| Unknown PAH | 3020 | ug/Kg | | 8/23/2018 |
| Sulfur | 7940 <i>JN</i> | ug/Kg | | 8/23/2018 |
| Unknown | 2150 <i>J</i> | ug/Kg | | 8/23/2018 |
| Unknown PAH | 2190 | ug/Kg | | 8/23/2018 |
| Unknown PAH | 2610 | ug/Kg | | 8/23/2018 |
| Unknown PAH | 1780 | ug/Kg | | 8/23/2018 |
| Unknown | 1450 | ug/Kg | | 8/23/2018 |
| Unknown | 1470 | ug/Kg | | 8/23/2018 |
| Total Reported TICS | 53000 | ug/Kg | | 8/23/2018 |

Method Reference(s): EPA 8270D

EPA 3546

Preparation Date: 8/22/2018

Tentatively Identified Compound results are estimated values, based on Internal Standard response factors.

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Friday, August 31, 2018

mkp 9/26/18



PARADIGM

ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 183775

Client: BE3

Project Reference: 31 + 150 Tonawanda St

Sample Identifier: BH-5 (4-6)

Lab Sample ID: 183775-06

Date Sampled: 8/16/2018

Matrix: Soil

Date Received: 8/17/2018

Semi-Volatile Organics (Acid/Base Neutrals)

| Analyte | Result | Units | Qualifier | Date Analyzed |
|------------------------------|----------|-------|-----------|-----------------|
| 1,1-Biphenyl | 498 J | ug/Kg | | 8/23/2018 09:49 |
| 1,2,4,5-Tetrachlorobenzene | < 346 uJ | ug/Kg | | 8/23/2018 09:49 |
| 1,2,4-Trichlorobenzene | < 346 | ug/Kg | | 8/23/2018 09:49 |
| 1,2-Dichlorobenzene | < 346 | ug/Kg | | 8/23/2018 09:49 |
| 1,3-Dichlorobenzene | < 346 | ug/Kg | | 8/23/2018 09:49 |
| 1,4-Dichlorobenzene | < 346 | ug/Kg | | 8/23/2018 09:49 |
| 2,2-Oxybis (1-chloropropane) | < 346 | ug/Kg | | 8/23/2018 09:49 |
| 2,3,4,6-Tetrachlorophenol | < 346 | ug/Kg | | 8/23/2018 09:49 |
| 2,4,5-Trichlorophenol | < 346 | ug/Kg | | 8/23/2018 09:49 |
| 2,4,6-Trichlorophenol | < 346 | ug/Kg | | 8/23/2018 09:49 |
| 2,4-Dichlorophenol | < 346 | ug/Kg | | 8/23/2018 09:49 |
| 2,4-Dimethylphenol | < 346 | ug/Kg | | 8/23/2018 09:49 |
| 2,4-Dinitrophenol | < 1380 | ug/Kg | | 8/23/2018 09:49 |
| 2,4-Dinitrotoluene | < 346 | ug/Kg | | 8/23/2018 09:49 |
| 2,6-Dinitrotoluene | < 346 | ug/Kg | | 8/23/2018 09:49 |
| 2-Chloronaphthalene | < 346 | ug/Kg | | 8/23/2018 09:49 |
| 2-Chlorophenol | < 346 | ug/Kg | | 8/23/2018 09:49 |
| 2-Methylnaphthalene | 5530 J | ug/Kg | | 8/23/2018 09:49 |
| 2-Methylphenol | < 346 uJ | ug/Kg | | 8/23/2018 09:49 |
| 2-Nitroaniline | < 346 | ug/Kg | | 8/23/2018 09:49 |
| 2-Nitrophenol | < 346 | ug/Kg | | 8/23/2018 09:49 |
| 3&4-Methylphenol | < 346 | ug/Kg | | 8/23/2018 09:49 |
| 3,3'-Dichlorobenzidine | < 346 | ug/Kg | | 8/23/2018 09:49 |
| 3-Nitroaniline | < 346 | ug/Kg | | 8/23/2018 09:49 |
| 4,6-Dinitro-2-methylphenol | < 692 | ug/Kg | | 8/23/2018 09:49 |
| 4-Bromophenyl phenyl ether | < 346 | ug/Kg | | 8/23/2018 09:49 |
| 4-Chloro-3-methylphenol | < 346 | ug/Kg | | 8/23/2018 09:49 |

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Report Prepared Friday, August 31, 2018



PARADIGM

ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 183775

Client: **BE3**

Project Reference: 31 + 150 Tonawanda St

Sample Identifier: BH-5 (4-6)

Lab Sample ID: 183775-06

Date Sampled: 8/16/2018

Matrix: Soil

Date Received: 8/17/2018

| | | | |
|------------------------------|-----------------|-------|-----------------|
| 4-Chloroaniline | < 346 <i>uJ</i> | ug/Kg | 8/23/2018 09:49 |
| 4-Chlorophenyl phenyl ether | < 346 | ug/Kg | 8/23/2018 09:49 |
| 4-Nitroaniline | < 346 | ug/Kg | 8/23/2018 09:49 |
| 4-Nitrophenol | < 346 | ug/Kg | 8/23/2018 09:49 |
| Acenaphthene | < 346 | ug/Kg | 8/23/2018 09:49 |
| Acenaphthylene | < 346 | ug/Kg | 8/23/2018 09:49 |
| Acetophenone | < 346 | ug/Kg | 8/23/2018 09:49 |
| Anthracene | 229 <i>J</i> | ug/Kg | 8/23/2018 09:49 |
| Atrazine | < 346 <i>uJ</i> | ug/Kg | 8/23/2018 09:49 |
| Benzaldehyde | < 346 <i>uJ</i> | ug/Kg | 8/23/2018 09:49 |
| Benzo (a) anthracene | 756 <i>J</i> | ug/Kg | 8/23/2018 09:49 |
| Benzo (a) pyrene | 699 | ug/Kg | 8/23/2018 09:49 |
| Benzo (b) fluoranthene | 656 | ug/Kg | 8/23/2018 09:49 |
| Benzo (g,h,i) perylene | 536 | ug/Kg | 8/23/2018 09:49 |
| Benzo (k) fluoranthene | 482 | ug/Kg | 8/23/2018 09:49 |
| Bis (2-chloroethoxy) methane | < 346 <i>uJ</i> | ug/Kg | 8/23/2018 09:49 |
| Bis (2-chloroethyl) ether | < 346 | ug/Kg | 8/23/2018 09:49 |
| Bis (2-ethylhexyl) phthalate | < 346 | ug/Kg | 8/23/2018 09:49 |
| Butylbenzylphthalate | < 346 | ug/Kg | 8/23/2018 09:49 |
| Caprolactam | < 346 | ug/Kg | 8/23/2018 09:49 |
| Carbazole | < 346 | ug/Kg | 8/23/2018 09:49 |
| Chrysene | 841 <i>J</i> | ug/Kg | 8/23/2018 09:49 |
| Dibenz (a,h) anthracene | < 346 <i>uJ</i> | ug/Kg | 8/23/2018 09:49 |
| Dibenzofuran | 237 <i>J</i> | ug/Kg | 8/23/2018 09:49 |
| Diethyl phthalate | < 346 <i>uJ</i> | ug/Kg | 8/23/2018 09:49 |
| Dimethyl phthalate | < 346 | ug/Kg | 8/23/2018 09:49 |
| Di-n-butyl phthalate | < 346 | ug/Kg | 8/23/2018 09:49 |
| Di-n-octylphthalate | < 346 | ug/Kg | 8/23/2018 09:49 |
| Fluoranthene | 1450 <i>J</i> | ug/Kg | 8/23/2018 09:49 |
| Fluorene | 350 <i>J</i> | ug/Kg | 8/23/2018 09:49 |

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Report Prepared Friday, August 31, 2018



PARADIGM

ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 183775

Client: **BE3**

Project Reference: 31 + 150 Tonawanda St

Sample Identifier: BH-5 (4-6)

Lab Sample ID: 183775-06

Date Sampled: 8/16/2018

Matrix: Soil

Date Received: 8/17/2018

| | | | |
|----------------------------|-----------------|-------|-----------------|
| Hexachlorobenzene | < 346 <u>uJ</u> | ug/Kg | 8/23/2018 09:49 |
| Hexachlorobutadiene | < 346 | ug/Kg | 8/23/2018 09:49 |
| Hexachlorocyclopentadiene | < 1380 | ug/Kg | 8/23/2018 09:49 |
| Hexachloroethane | < 346 <u>uJ</u> | ug/Kg | 8/23/2018 09:49 |
| Indeno (1,2,3-cd) pyrene | 507 <u>J</u> | ug/Kg | 8/23/2018 09:49 |
| Isophorone | < 346 <u>uJ</u> | ug/Kg | 8/23/2018 09:49 |
| Naphthalene | 2810 <u>J</u> | ug/Kg | 8/23/2018 09:49 |
| Nitrobenzene | < 346 <u>uJ</u> | ug/Kg | 8/23/2018 09:49 |
| N-Nitroso-di-n-propylamine | < 346 | ug/Kg | 8/23/2018 09:49 |
| N-Nitrosodiphenylamine | < 346 | ug/Kg | 8/23/2018 09:49 |
| Pentachlorophenol | < 692 <u>uJ</u> | ug/Kg | 8/23/2018 09:49 |
| Phenanthrene | 1400 <u>J</u> | ug/Kg | 8/23/2018 09:49 |
| Phenol | < 346 <u>uJ</u> | ug/Kg | 8/23/2018 09:49 |
| Pyrene | 1290 <u>J</u> | ug/Kg | 8/23/2018 09:49 |

| Surrogate | Percent Recovery | Limits | Outliers | Date Analyzed |
|----------------------|------------------|-------------|----------|-----------------|
| 2,4,6-Tribromophenol | <u>34.7</u> | 35.7 - 94.4 | * | 8/23/2018 09:49 |
| 2-Fluorobiphenyl | <u>33.7</u> | 35.7 - 85.7 | * | 8/23/2018 09:49 |
| 2-Fluorophenol | <u>33.1</u> | 39.4 - 78.1 | * | 8/23/2018 09:49 |
| Nitrobenzene-d5 | 38.9 | 36.1 - 74.4 | | 8/23/2018 09:49 |
| Phenol-d5 | <u>35.2</u> | 40.6 - 79.3 | * | 8/23/2018 09:49 |
| Terphenyl-d14 | <u>34.5</u> | 46.6 - 99.9 | * | 8/23/2018 09:49 |

Method Reference(s): EPA 8270D

EPA 3546

Preparation Date: 8/22/2018

Data File: B30692.D

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Report Prepared Friday, August 31, 2018



PARADIGM

ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 183775

Client: BE3

Project Reference: 31 + 150 Tonawanda St

Sample Identifier: BH-5 (4-6)

Lab Sample ID: 183775-06

Date Sampled: 8/16/2018

Matrix: Soil

Date Received: 8/17/2018

Semi-Volatile Tentatively Identified Compounds

| Tentatively Identified Compound | Result | Units | Qualifier | Date Analyzed |
|---------------------------------|---------|-------|-----------|---------------|
| Unknown Aromatic | 11900 J | ug/Kg | | 8/23/2018 |
| Unknown Xylene | 35600 ↓ | ug/Kg | | 8/23/2018 |
| Unknown Xylene | 8460 ↓ | ug/Kg | | 8/23/2018 |
| 1-Ethyl-n-methylbenzene | 4850 JH | ug/Kg | | 8/23/2018 |
| N,N,N-Trimethylbenzene | 6560 ↓ | ug/Kg | | 8/23/2018 |
| N,N,N-Trimethylbenzene | 8590 ↓ | ug/Kg | | 8/23/2018 |
| Transdecahydronaphthalene | 7990 ↓ | ug/Kg | | 8/23/2018 |
| Dodecane | 5170 J | ug/Kg | | 8/23/2018 |
| Unknown Alkane | 4940 ↓ | ug/Kg | | 8/23/2018 |
| Unknown Alkane | 6240 ↓ | ug/Kg | | 8/23/2018 |
| Unknown Cyclohexane | 7750 ↓ | ug/Kg | | 8/23/2018 |
| N,N-Dimethylnaphthalene | 5000 JH | ug/Kg | | 8/23/2018 |
| Unknown | 7090 J | ug/Kg | | 8/23/2018 |
| Unknown Cyclohexane | 7210 ↓ | ug/Kg | | 8/23/2018 |
| Unknown Alkane | 8960 ↓ | ug/Kg | | 8/23/2018 |
| Unknown | 7230 ↓ | ug/Kg | | 8/23/2018 |
| Unknown | 5550 ↓ | ug/Kg | | 8/23/2018 |
| Unknown Pentadecane | 15700 ↓ | ug/Kg | | 8/23/2018 |
| Unknown Alkane | 6690 ↓ | ug/Kg | | 8/23/2018 |
| Sulfur | 6060 JH | ug/Kg | | 8/23/2018 |
| Total Reported TICS | 178000 | ug/Kg | | 8/23/2018 |

Method Reference(s): EPA 8270D

EPA 3546

Preparation Date: 8/22/2018

Tentatively Identified Compound results are estimated values, based on Internal Standard response factors.

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Report Prepared Friday, August 31, 2018



PARADIGM

ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 183775

Client: BE3

Project Reference: 31 + 150 Tonawanda St

Sample Identifier: BH-4 (11.5-12)

Lab Sample ID: 183775-07

Date Sampled: 8/16/2018

Matrix: Soil

Date Received: 8/17/2018

Semi-Volatile Organics (Acid/Base Neutrals)

| Analyte | Result | Units | Qualifier | Date Analyzed |
|------------------------------|--------|-------|-----------|-----------------|
| 1,1-Biphenyl | < 455 | ug/Kg | | 8/23/2018 10:18 |
| 1,2,4,5-Tetrachlorobenzene | < 455 | ug/Kg | | 8/23/2018 10:18 |
| 1,2,4-Trichlorobenzene | < 455 | ug/Kg | | 8/23/2018 10:18 |
| 1,2-Dichlorobenzene | < 455 | ug/Kg | | 8/23/2018 10:18 |
| 1,3-Dichlorobenzene | < 455 | ug/Kg | | 8/23/2018 10:18 |
| 1,4-Dichlorobenzene | < 455 | ug/Kg | | 8/23/2018 10:18 |
| 2,2-Oxybis (1-chloropropane) | < 455 | ug/Kg | | 8/23/2018 10:18 |
| 2,3,4,6-Tetrachlorophenol | < 455 | ug/Kg | | 8/23/2018 10:18 |
| 2,4,5-Trichlorophenol | < 455 | ug/Kg | | 8/23/2018 10:18 |
| 2,4,6-Trichlorophenol | < 455 | ug/Kg | | 8/23/2018 10:18 |
| 2,4-Dichlorophenol | < 455 | ug/Kg | | 8/23/2018 10:18 |
| 2,4-Dimethylphenol | < 455 | ug/Kg | | 8/23/2018 10:18 |
| 2,4-Dinitrophenol | < 1820 | ug/Kg | | 8/23/2018 10:18 |
| 2,4-Dinitrotoluene | < 455 | ug/Kg | | 8/23/2018 10:18 |
| 2,6-Dinitrotoluene | < 455 | ug/Kg | | 8/23/2018 10:18 |
| 2-Chloronaphthalene | < 455 | ug/Kg | | 8/23/2018 10:18 |
| 2-Chlorophenol | < 455 | ug/Kg | | 8/23/2018 10:18 |
| 2-Methylnaphthalene | < 455 | ug/Kg | | 8/23/2018 10:18 |
| 2-Methylphenol | < 455 | ug/Kg | | 8/23/2018 10:18 |
| 2-Nitroaniline | < 455 | ug/Kg | | 8/23/2018 10:18 |
| 2-Nitrophenol | < 455 | ug/Kg | | 8/23/2018 10:18 |
| 3&4-Methylphenol | < 455 | ug/Kg | | 8/23/2018 10:18 |
| 3,3'-Dichlorobenzidine | < 455 | ug/Kg | | 8/23/2018 10:18 |
| 3-Nitroaniline | < 455 | ug/Kg | | 8/23/2018 10:18 |
| 4,6-Dinitro-2-methylphenol | < 909 | ug/Kg | | 8/23/2018 10:18 |
| 4-Bromophenyl phenyl ether | < 455 | ug/Kg | | 8/23/2018 10:18 |
| 4-Chloro-3-methylphenol | < 455 | ug/Kg | | 8/23/2018 10:18 |

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Report Prepared Friday, August 31, 2018



PARADIGM

ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 183775

Client: **BE3**

Project Reference: 31 + 150 Tonawanda St

Sample Identifier: BH-4 (11.5-12)

Lab Sample ID: 183775-07

Date Sampled: 8/16/2018

Matrix: Soil

Date Received: 8/17/2018

| | | | |
|------------------------------|-----------------|-------|-----------------|
| 4-Chloroaniline | < 455 | ug/Kg | 8/23/2018 10:18 |
| 4-Chlorophenyl phenyl ether | < 455 | ug/Kg | 8/23/2018 10:18 |
| 4-Nitroaniline | < 455 | ug/Kg | 8/23/2018 10:18 |
| 4-Nitrophenol | < 455 | ug/Kg | 8/23/2018 10:18 |
| Acenaphthene | < 455 | ug/Kg | 8/23/2018 10:18 |
| Acenaphthylene | < 455 | ug/Kg | 8/23/2018 10:18 |
| Acetophenone | < 455 | ug/Kg | 8/23/2018 10:18 |
| Anthracene | < 455 | ug/Kg | 8/23/2018 10:18 |
| Atrazine | < 455 <i>MS</i> | ug/Kg | 8/23/2018 10:18 |
| Benzaldehyde | < 455 | ug/Kg | 8/23/2018 10:18 |
| Benzo (a) anthracene | < 455 | ug/Kg | 8/23/2018 10:18 |
| Benzo (a) pyrene | < 455 | ug/Kg | 8/23/2018 10:18 |
| Benzo (b) fluoranthene | < 455 | ug/Kg | 8/23/2018 10:18 |
| Benzo (g,h,i) perylene | < 455 | ug/Kg | 8/23/2018 10:18 |
| Benzo (k) fluoranthene | < 455 | ug/Kg | 8/23/2018 10:18 |
| Bis (2-chloroethoxy) methane | < 455 | ug/Kg | 8/23/2018 10:18 |
| Bis (2-chloroethyl) ether | < 455 | ug/Kg | 8/23/2018 10:18 |
| Bis (2-ethylhexyl) phthalate | < 455 | ug/Kg | 8/23/2018 10:18 |
| Butylbenzylphthalate | < 455 | ug/Kg | 8/23/2018 10:18 |
| Caprolactam | < 455 | ug/Kg | 8/23/2018 10:18 |
| Carbazole | < 455 | ug/Kg | 8/23/2018 10:18 |
| Chrysene | 272 | ug/Kg | 8/23/2018 10:18 |
| Dibenz (a,h) anthracene | < 455 | ug/Kg | 8/23/2018 10:18 |
| Dibenzofuran | < 455 | ug/Kg | 8/23/2018 10:18 |
| Diethyl phthalate | < 455 | ug/Kg | 8/23/2018 10:18 |
| Dimethyl phthalate | < 455 | ug/Kg | 8/23/2018 10:18 |
| Di-n-butyl phthalate | < 455 | ug/Kg | 8/23/2018 10:18 |
| Di-n-octylphthalate | < 455 | ug/Kg | 8/23/2018 10:18 |
| Fluoranthene | 478 | ug/Kg | 8/23/2018 10:18 |
| Fluorene | < 455 | ug/Kg | 8/23/2018 10:18 |

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Report Prepared Friday, August 31, 2018

MS 9/21/18



PARADIGM

ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 183775

Client: BE3

Project Reference: 31 + 150 Tonawanda St

Sample Identifier: BH-4 (11.5-12)

Lab Sample ID: 183775-07

Date Sampled: 8/16/2018

Matrix: Soil

Date Received: 8/17/2018

| | | | | |
|----------------------------|-------------------------|---------------|-----------------|----------------------|
| Hexachlorobenzene | < 455 | ug/Kg | | 8/23/2018 10:18 |
| Hexachlorobutadiene | < 455 | ug/Kg | | 8/23/2018 10:18 |
| Hexachlorocyclopentadiene | < 1820 | ug/Kg | | 8/23/2018 10:18 |
| Hexachloroethane | < 455 | ug/Kg | | 8/23/2018 10:18 |
| Indeno (1,2,3-cd) pyrene | < 455 | ug/Kg | | 8/23/2018 10:18 |
| Isophorone | < 455 | ug/Kg | | 8/23/2018 10:18 |
| Naphthalene | 376 | ug/Kg | J | 8/23/2018 10:18 |
| Nitrobenzene | < 455 | ug/Kg | | 8/23/2018 10:18 |
| N-Nitroso-di-n-propylamine | < 455 | ug/Kg | | 8/23/2018 10:18 |
| N-Nitrosodiphenylamine | < 455 | ug/Kg | | 8/23/2018 10:18 |
| Pentachlorophenol | < 909 | ug/Kg | | 8/23/2018 10:18 |
| Phenanthrene | 587 | ug/Kg | | 8/23/2018 10:18 |
| Phenol | < 455 | ug/Kg | | 8/23/2018 10:18 |
| Pyrene | 427 | ug/Kg | J | 8/23/2018 10:18 |
| Surrogate | Percent Recovery | Limits | Outliers | Date Analyzed |
| 2,4,6-Tribromophenol | 36.3 | 35.7 - 94.4 | | 8/23/2018 10:18 |
| 2-Fluorobiphenyl | 37.4 | 35.7 - 85.7 | | 8/23/2018 10:18 |
| 2-Fluorophenol | 40.4 | 39.4 - 78.1 | | 8/23/2018 10:18 |
| Nitrobenzene-d5 | 36.7 | 36.1 - 74.4 | | 8/23/2018 10:18 |
| Phenol-d5 | 42.7 | 40.6 - 79.3 | | 8/23/2018 10:18 |
| Terphenyl-d14 | 37.7 | 46.6 - 99.9 | * | 8/23/2018 10:18 |

Method Reference(s): EPA 8270D

EPA 3546

Preparation Date: 8/22/2018

Data File: B30693.D

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Friday, August 31, 2018

my 8/31/18



PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 183775

Client: **BE3**

Project Reference: 31 + 150 Tonawanda St

Sample Identifier: BH-4 (11.5-12)

Lab Sample ID: 183775-07

Date Sampled: 8/16/2018

Matrix: Soil

Date Received: 8/17/2018

Semi-Volatile Tentatively Identified Compounds

| <u>Tentatively Identified Compound</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|---|----------------------|---------------------|-------------------------|-----------------------------|
| Unknown | 4670 R | ug/Kg | B | 8/23/2018 |
| Unknown Aromatic | 936 J | ug/Kg | | 8/23/2018 |
| Unknown Xylene | 2230 | ug/Kg | | 8/23/2018 |
| Unknown Xylene | 618 | ug/Kg | | 8/23/2018 |
| Unknown Aromatic | 1100 | ug/Kg | | 8/23/2018 |
| N,N,N-Trimethylbenzene | 627 JN | ug/Kg | | 8/23/2018 |
| Unknown | 822 J | ug/Kg | | 8/23/2018 |
| Unknown | 2480 J | ug/Kg | | 8/23/2018 |
| Sulfur | 5730 JN | ug/Kg | | 8/23/2018 |
| Unknown | 1240 J | ug/Kg | | 8/23/2018 |
| Unknown Alkane | 577 | ug/Kg | | 8/23/2018 |
| Unknown | 1330 | ug/Kg | | 8/23/2018 |
| Unknown Alkane | 870 | ug/Kg | | 8/23/2018 |
| Unknown | 826 | ug/Kg | | 8/23/2018 |
| Unknown | 789 | ug/Kg | | 8/23/2018 |
| Unknown | 584 | ug/Kg | | 8/23/2018 |
| Unknown | 1410 | ug/Kg | | 8/23/2018 |
| Unknown | 909 | ug/Kg | | 8/23/2018 |
| Unknown | 862 | ug/Kg | | 8/23/2018 |
| Unknown | 659 | ug/Kg | | 8/23/2018 |
| Total Reported TICS | 29300 | ug/Kg | | 8/23/2018 |

Method Reference(s): EPA 8270D

EPA 3546

Preparation

8/22/2018

Date:

Tentatively Identified Compound results are estimated values, based on Internal Standard response factors.

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Friday, August 31, 2018

8/21/18



PARADIGM

ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 183775

Client: BE3

Project Reference: 31 + 150 Tonawanda St

Sample Identifier: BH-4 (0-1)

Lab Sample ID: 183775-08

Date Sampled: 8/16/2018

Matrix: Soil

Date Received: 8/17/2018

Semi-Volatile Organics (Acid/Base Neutrals)

| Analyte | Result | Units | Qualifier | Date Analyzed |
|------------------------------|--------|-------|-----------|-----------------|
| 1,1-Biphenyl | < 672 | ug/Kg | | 8/23/2018 12:18 |
| 1,2,4,5-Tetrachlorobenzene | < 672 | ug/Kg | | 8/23/2018 12:18 |
| 1,2,4-Trichlorobenzene | < 672 | ug/Kg | | 8/23/2018 12:18 |
| 1,2-Dichlorobenzene | < 672 | ug/Kg | | 8/23/2018 12:18 |
| 1,3-Dichlorobenzene | < 672 | ug/Kg | | 8/23/2018 12:18 |
| 1,4-Dichlorobenzene | < 672 | ug/Kg | | 8/23/2018 12:18 |
| 2,2-Oxybis (1-chloropropane) | < 672 | ug/Kg | | 8/23/2018 12:18 |
| 2,3,4,6-Tetrachlorophenol | < 672 | ug/Kg | | 8/23/2018 12:18 |
| 2,4,5-Trichlorophenol | < 672 | ug/Kg | | 8/23/2018 12:18 |
| 2,4,6-Trichlorophenol | < 672 | ug/Kg | | 8/23/2018 12:18 |
| 2,4-Dichlorophenol | < 672 | ug/Kg | | 8/23/2018 12:18 |
| 2,4-Dimethylphenol | < 672 | ug/Kg | | 8/23/2018 12:18 |
| 2,4-Dinitrophenol | < 2690 | ug/Kg | | 8/23/2018 12:18 |
| 2,4-Dinitrotoluene | < 672 | ug/Kg | | 8/23/2018 12:18 |
| 2,6-Dinitrotoluene | < 672 | ug/Kg | | 8/23/2018 12:18 |
| 2-Chloronaphthalene | < 672 | ug/Kg | | 8/23/2018 12:18 |
| 2-Chlorophenol | < 672 | ug/Kg | | 8/23/2018 12:18 |
| 2-Methylnapthalene | 387 | ug/Kg | J | 8/23/2018 12:18 |
| 2-Methylphenol | < 672 | ug/Kg | | 8/23/2018 12:18 |
| 2-Nitroaniline | < 672 | ug/Kg | | 8/23/2018 12:18 |
| 2-Nitrophenol | < 672 | ug/Kg | | 8/23/2018 12:18 |
| 3&4-Methylphenol | < 672 | ug/Kg | | 8/23/2018 12:18 |
| 3,3'-Dichlorobenzidine | < 672 | ug/Kg | | 8/23/2018 12:18 |
| 3-Nitroaniline | < 672 | ug/Kg | | 8/23/2018 12:18 |
| 4,6-Dinitro-2-methylphenol | < 1340 | ug/Kg | | 8/23/2018 12:18 |
| 4-Bromophenyl phenyl ether | < 672 | ug/Kg | | 8/23/2018 12:18 |
| 4-Chloro-3-methylphenol | < 672 | ug/Kg | | 8/23/2018 12:18 |

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Report Prepared Friday, August 31, 2018



PARADIGM

ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 183775

Client: BE3

Project Reference: 31 + 150 Tonawanda St

Sample Identifier: BH-4 (0-1)

Lab Sample ID: 183775-08

Date Sampled: 8/16/2018

Matrix: Soil

Date Received: 8/17/2018

| | | | |
|------------------------------|-------|-------|-----------------|
| 4-Chloroaniline | < 672 | ug/Kg | 8/23/2018 12:18 |
| 4-Chlorophenyl phenyl ether | < 672 | ug/Kg | 8/23/2018 12:18 |
| 4-Nitroaniline | < 672 | ug/Kg | 8/23/2018 12:18 |
| 4-Nitrophenol | < 672 | ug/Kg | 8/23/2018 12:18 |
| Acenaphthene | 1230 | ug/Kg | 8/23/2018 12:18 |
| Acenaphthylene | 398 | ug/Kg | 8/23/2018 12:18 |
| Acetophenone | < 672 | ug/Kg | 8/23/2018 12:18 |
| Anthracene | 2800 | ug/Kg | 8/23/2018 12:18 |
| Atrazine | < 672 | ug/Kg | 8/23/2018 12:18 |
| Benzaldehyde | < 672 | ug/Kg | 8/23/2018 12:18 |
| Benzo (a) anthracene | 5710 | ug/Kg | 8/23/2018 12:18 |
| Benzo (a) pyrene | 4870 | ug/Kg | 8/23/2018 12:18 |
| Benzo (b) fluoranthene | 5020 | ug/Kg | 8/23/2018 12:18 |
| Benzo (g,h,i) perylene | 2980 | ug/Kg | 8/23/2018 12:18 |
| Benzo (k) fluoranthene | 3030 | ug/Kg | 8/23/2018 12:18 |
| Bis (2-chloroethoxy) methane | < 672 | ug/Kg | 8/23/2018 12:18 |
| Bis (2-chloroethyl) ether | < 672 | ug/Kg | 8/23/2018 12:18 |
| Bis (2-ethylhexyl) phthalate | < 672 | ug/Kg | 8/23/2018 12:18 |
| Butylbenzylphthalate | < 672 | ug/Kg | 8/23/2018 12:18 |
| Caprolactam | < 672 | ug/Kg | 8/23/2018 12:18 |
| Carbazole | 1060 | ug/Kg | 8/23/2018 12:18 |
| Chrysene | 5930 | ug/Kg | 8/23/2018 12:18 |
| Dibenz (a,h) anthracene | 1060 | ug/Kg | 8/23/2018 12:18 |
| Dibenzofuran | 877 | ug/Kg | 8/23/2018 12:18 |
| Diethyl phthalate | < 672 | ug/Kg | 8/23/2018 12:18 |
| Dimethyl phthalate | < 672 | ug/Kg | 8/23/2018 12:18 |
| Di-n-butyl phthalate | < 672 | ug/Kg | 8/23/2018 12:18 |
| Di-n-octylphthalate | < 672 | ug/Kg | 8/23/2018 12:18 |
| Fluoranthene | 13500 | ug/Kg | 8/23/2018 12:18 |
| Fluorene | 1180 | ug/Kg | 8/23/2018 12:18 |

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Report Prepared Friday, August 31, 2018

mm 9/21/18



PARADIGM

ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 183775

Client: BE3

Project Reference: 31 + 150 Tonawanda St

Sample Identifier: BH-4 (0-1)

Lab Sample ID: 183775-08

Date Sampled: 8/16/2018

Matrix: Soil

Date Received: 8/17/2018

| | | | | |
|----------------------------|--------|-------|---|-----------------|
| Hexachlorobenzene | < 672 | ug/Kg | | 8/23/2018 12:18 |
| Hexachlorobutadiene | < 672 | ug/Kg | | 8/23/2018 12:18 |
| Hexachlorocyclopentadiene | < 2690 | ug/Kg | | 8/23/2018 12:18 |
| Hexachloroethane | < 672 | ug/Kg | | 8/23/2018 12:18 |
| Indeno (1,2,3-cd) pyrene | 3510 | ug/Kg | | 8/23/2018 12:18 |
| Isophorone | < 672 | ug/Kg | | 8/23/2018 12:18 |
| Naphthalene | 439 | ug/Kg | J | 8/23/2018 12:18 |
| Nitrobenzene | < 672 | ug/Kg | | 8/23/2018 12:18 |
| N-Nitroso-di-n-propylamine | < 672 | ug/Kg | | 8/23/2018 12:18 |
| N-Nitrosodiphenylamine | < 672 | ug/Kg | | 8/23/2018 12:18 |
| Pentachlorophenol | < 1340 | ug/Kg | | 8/23/2018 12:18 |
| Phenanthrene | 10600 | ug/Kg | | 8/23/2018 12:18 |
| Phenol | < 672 | ug/Kg | | 8/23/2018 12:18 |
| Pyrene | 11400 | ug/Kg | | 8/23/2018 12:18 |

| Surrogate | Percent Recovery | Limits | Outliers | Date Analyzed |
|----------------------|------------------|-------------|----------|-----------------|
| 2,4,6-Tribromophenol | 46.3 | 35.7 - 94.4 | | 8/23/2018 12:18 |
| 2-Fluorobiphenyl | 50.1 | 35.7 - 85.7 | | 8/23/2018 12:18 |
| 2-Fluorophenol | 48.0 | 39.4 - 78.1 | | 8/23/2018 12:18 |
| Nitrobenzene-d5 | 44.2 | 36.1 - 74.4 | | 8/23/2018 12:18 |
| Phenol-d5 | 50.7 | 40.6 - 79.3 | | 8/23/2018 12:18 |
| Terphenyl-d14 | 50.8 | 46.6 - 99.9 | | 8/23/2018 12:18 |

Method Reference(s): EPA 8270D

EPA 3546

Preparation Date: 8/22/2018

Data File: B30697.D

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Report Prepared Friday, August 31, 2018



PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 183775

Client: BE3

Project Reference: 31 + 150 Tonawanda St

Sample Identifier: BH-4 (0-1)

Lab Sample ID: 183775-08

Matrix: Soil

Date Sampled: 8/16/2018

Date Received: 8/17/2018

Semi-Volatile Tentatively Identified Compounds

| Tentatively Identified Compound | Result | Units | Qualifier | Date Analyzed |
|---------------------------------|---------|-------|-----------|---------------|
| Unknown | 3050 R | ug/Kg | B | 8/23/2018 |
| Unknown PAH | 1160 BT | ug/Kg | | 8/23/2018 |
| Unknown | 2150 | ug/Kg | | 8/23/2018 |
| Unknown PAH | 1560 | ug/Kg | | 8/23/2018 |
| Sulfur | 1910 | ug/Kg | | 8/23/2018 |
| Unknown PAH | 1900 | ug/Kg | | 8/23/2018 |
| Unknown PAH | 1340 | ug/Kg | | 8/23/2018 |
| 7H-Benz[de]anthracen-7-one | 947 JN | ug/Kg | | 8/23/2018 |
| Benzo[b]naptho[n,n-d]thiophene | 1080 JN | ug/Kg | | 8/23/2018 |
| Unknown | 1250 J | ug/Kg | | 8/23/2018 |
| Benzo[b]naptho[n,n-d]thiophene | 898 JN | ug/Kg | | 8/23/2018 |
| Unknown | 1360 J | ug/Kg | | 8/23/2018 |
| Unknown PAH | 1340 | ug/Kg | | 8/23/2018 |
| Unknown | 1100 | ug/Kg | | 8/23/2018 |
| Unknown | 1280 | ug/Kg | | 8/23/2018 |
| Unknown PAH | 1550 | ug/Kg | | 8/23/2018 |
| Unknown PAH | 2660 | ug/Kg | | 8/23/2018 |
| Unknown PAH | 874 | ug/Kg | | 8/23/2018 |
| Unknown PAH | 1010 | ug/Kg | | 8/23/2018 |
| Unknown PAH | 941 | ug/Kg | | 8/23/2018 |
| Total Reported TICS | 29400 | ug/Kg | | 8/23/2018 |

Method Reference(s): EPA 8270D

EPA 3546

Preparation

8/22/2018

Date:

Tentatively Identified Compound results are estimated values, based on Internal Standard response factors.

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Report Prepared Friday, August 31, 2018

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PARADIGM

ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 183775

Client: BE3

Project Reference: 31 + 150 Tonawanda St

Sample Identifier: BH-5 (0-2)

Lab Sample ID: 183775-09

Date Sampled: 8/16/2018

Matrix: Soil

Date Received: 8/17/2018

Semi-Volatile Organics (Acid/Base Neutrals)

| Analyte | Result | Units | Qualifier | Date Analyzed |
|------------------------------|--------|-------|-----------|-----------------|
| 1,1-Biphenyl | < 311 | ug/Kg | | 8/23/2018 11:18 |
| 1,2,4,5-Tetrachlorobenzene | < 311 | ug/Kg | | 8/23/2018 11:18 |
| 1,2,4-Trichlorobenzene | < 311 | ug/Kg | | 8/23/2018 11:18 |
| 1,2-Dichlorobenzene | < 311 | ug/Kg | | 8/23/2018 11:18 |
| 1,3-Dichlorobenzene | < 311 | ug/Kg | | 8/23/2018 11:18 |
| 1,4-Dichlorobenzene | < 311 | ug/Kg | | 8/23/2018 11:18 |
| 2,2-Oxybis (1-chloropropane) | < 311 | ug/Kg | | 8/23/2018 11:18 |
| 2,3,4,6-Tetrachlorophenol | < 311 | ug/Kg | | 8/23/2018 11:18 |
| 2,4,5-Trichlorophenol | < 311 | ug/Kg | | 8/23/2018 11:18 |
| 2,4,6-Trichlorophenol | < 311 | ug/Kg | | 8/23/2018 11:18 |
| 2,4-Dichlorophenol | < 311 | ug/Kg | | 8/23/2018 11:18 |
| 2,4-Dimethylphenol | < 311 | ug/Kg | | 8/23/2018 11:18 |
| 2,4-Dinitrophenol | < 1240 | ug/Kg | | 8/23/2018 11:18 |
| 2,4-Dinitrotoluene | < 311 | ug/Kg | | 8/23/2018 11:18 |
| 2,6-Dinitrotoluene | < 311 | ug/Kg | | 8/23/2018 11:18 |
| 2-Chloronaphthalene | < 311 | ug/Kg | | 8/23/2018 11:18 |
| 2-Chlorophenol | < 311 | ug/Kg | | 8/23/2018 11:18 |
| 2-Methylnaphthalene | < 311 | ug/Kg | | 8/23/2018 11:18 |
| 2-Methylphenol | < 311 | ug/Kg | | 8/23/2018 11:18 |
| 2-Nitroaniline | < 311 | ug/Kg | | 8/23/2018 11:18 |
| 2-Nitrophenol | < 311 | ug/Kg | | 8/23/2018 11:18 |
| 3&4-Methylphenol | < 311 | ug/Kg | | 8/23/2018 11:18 |
| 3,3'-Dichlorobenzidine | < 311 | ug/Kg | | 8/23/2018 11:18 |
| 3-Nitroaniline | < 311 | ug/Kg | | 8/23/2018 11:18 |
| 4,6-Dinitro-2-methylphenol | < 622 | ug/Kg | | 8/23/2018 11:18 |
| 4-Bromophenyl phenyl ether | < 311 | ug/Kg | | 8/23/2018 11:18 |
| 4-Chloro-3-methylphenol | < 311 | ug/Kg | | 8/23/2018 11:18 |

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Report Prepared Friday, August 31, 2018



PARADIGM

ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 183775

Client: **BE3**

Project Reference: 31 + 150 Tonawanda St

| | | | | |
|------------------------------|---------------------|-------|----------------|-----------------|
| Sample Identifier: | BH-5 (0-2) | | | |
| Lab Sample ID: | 183775-09 | | Date Sampled: | 8/16/2018 |
| Matrix: | Soil | | Date Received: | 8/17/2018 |
| 4-Chloroaniline | < 311 | ug/Kg | | 8/23/2018 11:18 |
| 4-Chlorophenyl phenyl ether | < 311 | ug/Kg | | 8/23/2018 11:18 |
| 4-Nitroaniline | < 311 | ug/Kg | | 8/23/2018 11:18 |
| 4-Nitrophenol | < 311 | ug/Kg | | 8/23/2018 11:18 |
| Acenaphthene | < 311 | ug/Kg | | 8/23/2018 11:18 |
| Acenaphthylene | < 311 | ug/Kg | | 8/23/2018 11:18 |
| Acetophenone | < 311 | ug/Kg | | 8/23/2018 11:18 |
| Anthracene | 303 | ug/Kg | J | 8/23/2018 11:18 |
| Atrazine | < 311 ^{uJ} | ug/Kg | | 8/23/2018 11:18 |
| Benzaldehyde | < 311 | ug/Kg | | 8/23/2018 11:18 |
| Benzo (a) anthracene | 1080 | ug/Kg | | 8/23/2018 11:18 |
| Benzo (a) pyrene | 997 | ug/Kg | | 8/23/2018 11:18 |
| Benzo (b) fluoranthene | 1040 | ug/Kg | | 8/23/2018 11:18 |
| Benzo (g,h,i) perylene | 682 | ug/Kg | | 8/23/2018 11:18 |
| Benzo (k) fluoranthene | 702 | ug/Kg | | 8/23/2018 11:18 |
| Bis (2-chloroethoxy) methane | < 311 | ug/Kg | | 8/23/2018 11:18 |
| Bis (2-chloroethyl) ether | < 311 | ug/Kg | | 8/23/2018 11:18 |
| Bis (2-ethylhexyl) phthalate | < 311 | ug/Kg | | 8/23/2018 11:18 |
| Butylbenzylphthalate | < 311 | ug/Kg | | 8/23/2018 11:18 |
| Caprolactam | < 311 | ug/Kg | | 8/23/2018 11:18 |
| Carbazole | < 311 | ug/Kg | | 8/23/2018 11:18 |
| Chrysene | 1180 | ug/Kg | | 8/23/2018 11:18 |
| Dibenz (a,h) anthracene | 246 | ug/Kg | J | 8/23/2018 11:18 |
| Dibenzofuran | < 311 | ug/Kg | | 8/23/2018 11:18 |
| Diethyl phthalate | < 311 | ug/Kg | | 8/23/2018 11:18 |
| Dimethyl phthalate | < 311 | ug/Kg | | 8/23/2018 11:18 |
| Di-n-butyl phthalate | < 311 | ug/Kg | | 8/23/2018 11:18 |
| Di-n-octylphthalate | < 311 | ug/Kg | | 8/23/2018 11:18 |
| Fluoranthene | 2320 | ug/Kg | | 8/23/2018 11:18 |
| Fluorene | < 311 | ug/Kg | | 8/23/2018 11:18 |

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Report Prepared Friday, August 31, 2018



PARADIGM

ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 183775

Client: **BE3**

Project Reference: 31 + 150 Tonawanda St

Sample Identifier: BH-5 (0-2)

Lab Sample ID: 183775-09

Date Sampled: 8/16/2018

Matrix: Soil

Date Received: 8/17/2018

| | | | |
|----------------------------|--------|-------|-----------------|
| Hexachlorobenzene | < 311 | ug/Kg | 8/23/2018 11:18 |
| Hexachlorobutadiene | < 311 | ug/Kg | 8/23/2018 11:18 |
| Hexachlorocyclopentadiene | < 1240 | ug/Kg | 8/23/2018 11:18 |
| Hexachloroethane | < 311 | ug/Kg | 8/23/2018 11:18 |
| Indeno (1,2,3-cd) pyrene | 765 | ug/Kg | 8/23/2018 11:18 |
| Isophorone | < 311 | ug/Kg | 8/23/2018 11:18 |
| Naphthalene | < 311 | ug/Kg | 8/23/2018 11:18 |
| Nitrobenzene | < 311 | ug/Kg | 8/23/2018 11:18 |
| N-Nitroso-di-n-propylamine | < 311 | ug/Kg | 8/23/2018 11:18 |
| N-Nitrosodiphenylamine | < 311 | ug/Kg | 8/23/2018 11:18 |
| Pentachlorophenol | < 622 | ug/Kg | 8/23/2018 11:18 |
| Phenanthrene | 1190 | ug/Kg | 8/23/2018 11:18 |
| Phenol | < 311 | ug/Kg | 8/23/2018 11:18 |
| Pyrene | 1990 | ug/Kg | 8/23/2018 11:18 |

| Surrogate | Percent Recovery | Limits | Outliers | Date Analyzed |
|----------------------|------------------|-------------|----------|-----------------|
| 2,4,6-Tribromophenol | 47.6 | 35.7 - 94.4 | | 8/23/2018 11:18 |
| 2-Fluorobiphenyl | 59.4 | 35.7 - 85.7 | | 8/23/2018 11:18 |
| 2-Fluorophenol | 59.8 | 39.4 - 78.1 | | 8/23/2018 11:18 |
| Nitrobenzene-d5 | 57.9 | 36.1 - 74.4 | | 8/23/2018 11:18 |
| Phenol-d5 | 65.1 | 40.6 - 79.3 | | 8/23/2018 11:18 |
| Terphenyl-d14 | 58.0 | 46.6 - 99.9 | | 8/23/2018 11:18 |

Method Reference(s): EPA 8270D

EPA 3546

Preparation Date: 8/22/2018

Data File: B30695.D

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Friday, August 31, 2018



PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 183775

Client: **BE3**

Project Reference: 31 + 150 Tonawanda St

Sample Identifier: BH-5 (0-2)

Lab Sample ID: 183775-09

Date Sampled: 8/16/2018

Matrix: Soil

Date Received: 8/17/2018

Semi-Volatile Tentatively Identified Compounds

| <u>Tentatively Identified Compound</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|--|--------------------|--------------|------------------|----------------------|
| Unknown | 19700 R | ug/Kg | B | 8/23/2018 |
| Unknown Aromatic | 300 J | ug/Kg | | 8/23/2018 |
| 9,10-Anthracenedione | 332 JN | ug/Kg | | 8/23/2018 |
| Unknown | 271 J | ug/Kg | | 8/23/2018 |
| Unknown | 448 | ug/Kg | | 8/23/2018 |
| Unknown PAH | 553 | ug/Kg | | 8/23/2018 |
| Unknown PAH | 678 | ug/Kg | | 8/23/2018 |
| Unknown | 398 | ug/Kg | | 8/23/2018 |
| Total Reported TICS | 22700 | ug/Kg | | 8/23/2018 |

Method Reference(s): EPA 8270D

EPA 3546

Preparation

8/22/2018

Date:

Tentatively Identified Compound results are estimated values, based on Internal Standard response factors.

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Friday, August 31, 2018

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PARADIGM

ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 183775

Client: BE3

Project Reference: 31 + 150 Tonawanda St

Sample Identifier: BH-6 (0-2)

Lab Sample ID: 183775-10

Date Sampled: 8/16/2018

Matrix: Soil

Date Received: 8/17/2018

Semi-Volatile Organics (Acid/Base Neutrals)

| Analyte | Result | Units | Qualifier | Date Analyzed |
|------------------------------|--------|-------|-----------|-----------------|
| 1,1-Biphenyl | < 318 | ug/Kg | | 8/23/2018 11:48 |
| 1,2,4,5-Tetrachlorobenzene | < 318 | ug/Kg | | 8/23/2018 11:48 |
| 1,2,4-Trichlorobenzene | < 318 | ug/Kg | | 8/23/2018 11:48 |
| 1,2-Dichlorobenzene | < 318 | ug/Kg | | 8/23/2018 11:48 |
| 1,3-Dichlorobenzene | < 318 | ug/Kg | | 8/23/2018 11:48 |
| 1,4-Dichlorobenzene | < 318 | ug/Kg | | 8/23/2018 11:48 |
| 2,2-Oxybis (1-chloropropane) | < 318 | ug/Kg | | 8/23/2018 11:48 |
| 2,3,4,6-Tetrachlorophenol | < 318 | ug/Kg | | 8/23/2018 11:48 |
| 2,4,5-Trichlorophenol | < 318 | ug/Kg | | 8/23/2018 11:48 |
| 2,4,6-Trichlorophenol | < 318 | ug/Kg | | 8/23/2018 11:48 |
| 2,4-Dichlorophenol | < 318 | ug/Kg | | 8/23/2018 11:48 |
| 2,4-Dimethylphenol | < 318 | ug/Kg | | 8/23/2018 11:48 |
| 2,4-Dinitrophenol | < 1270 | ug/Kg | | 8/23/2018 11:48 |
| 2,4-Dinitrotoluene | < 318 | ug/Kg | | 8/23/2018 11:48 |
| 2,6-Dinitrotoluene | < 318 | ug/Kg | | 8/23/2018 11:48 |
| 2-Chloronaphthalene | < 318 | ug/Kg | | 8/23/2018 11:48 |
| 2-Chlorophenol | < 318 | ug/Kg | | 8/23/2018 11:48 |
| 2-Methylnaphthalene | < 318 | ug/Kg | | 8/23/2018 11:48 |
| 2-Methylphenol | < 318 | ug/Kg | | 8/23/2018 11:48 |
| 2-Nitroaniline | < 318 | ug/Kg | | 8/23/2018 11:48 |
| 2-Nitrophenol | < 318 | ug/Kg | | 8/23/2018 11:48 |
| 3&4-Methylphenol | < 318 | ug/Kg | | 8/23/2018 11:48 |
| 3,3'-Dichlorobenzidine | < 318 | ug/Kg | | 8/23/2018 11:48 |
| 3-Nitroaniline | < 318 | ug/Kg | | 8/23/2018 11:48 |
| 4,6-Dinitro-2-methylphenol | < 635 | ug/Kg | | 8/23/2018 11:48 |
| 4-Bromophenyl phenyl ether | < 318 | ug/Kg | | 8/23/2018 11:48 |
| 4-Chloro-3-methylphenol | < 318 | ug/Kg | | 8/23/2018 11:48 |

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Report Prepared Friday, August 31, 2018



PARADIGM

ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 183775

Client: **BE3**

Project Reference: 31 + 150 Tonawanda St

| | | | | |
|------------------------------|-----------------|-------|----------------|-----------|
| Sample Identifier: | BH-6 (0-2) | | | |
| Lab Sample ID: | 183775-10 | | Date Sampled: | 8/16/2018 |
| Matrix: | Soil | | Date Received: | 8/17/2018 |
| 4-Chloroaniline | < 318 | ug/Kg | 8/23/2018 | 11:48 |
| 4-Chlorophenyl phenyl ether | < 318 | ug/Kg | 8/23/2018 | 11:48 |
| 4-Nitroaniline | < 318 | ug/Kg | 8/23/2018 | 11:48 |
| 4-Nitrophenol | < 318 | ug/Kg | 8/23/2018 | 11:48 |
| Acenaphthene | < 318 | ug/Kg | 8/23/2018 | 11:48 |
| Acenaphthylene | < 318 | ug/Kg | 8/23/2018 | 11:48 |
| Acetophenone | < 318 | ug/Kg | 8/23/2018 | 11:48 |
| Anthracene | < 318 | ug/Kg | 8/23/2018 | 11:48 |
| Atrazine | < 318 <i>WJ</i> | ug/Kg | 8/23/2018 | 11:48 |
| Benzaldehyde | < 318 | ug/Kg | 8/23/2018 | 11:48 |
| Benzo (a) anthracene | 588 | ug/Kg | 8/23/2018 | 11:48 |
| Benzo (a) pyrene | 541 | ug/Kg | 8/23/2018 | 11:48 |
| Benzo (b) fluoranthene | 627 | ug/Kg | 8/23/2018 | 11:48 |
| Benzo (g,h,i) perylene | 384 | ug/Kg | 8/23/2018 | 11:48 |
| Benzo (k) fluoranthene | 399 | ug/Kg | 8/23/2018 | 11:48 |
| Bis (2-chloroethoxy) methane | < 318 | ug/Kg | 8/23/2018 | 11:48 |
| Bis (2-chloroethyl) ether | < 318 | ug/Kg | 8/23/2018 | 11:48 |
| Bis (2-ethylhexyl) phthalate | < 318 | ug/Kg | 8/23/2018 | 11:48 |
| Butylbenzylphthalate | < 318 | ug/Kg | 8/23/2018 | 11:48 |
| Caprolactam | < 318 | ug/Kg | 8/23/2018 | 11:48 |
| Carbazole | < 318 | ug/Kg | 8/23/2018 | 11:48 |
| Chrysene | 689 | ug/Kg | 8/23/2018 | 11:48 |
| Dibenz (a,h) anthracene | < 318 | ug/Kg | 8/23/2018 | 11:48 |
| Dibenzofuran | < 318 | ug/Kg | 8/23/2018 | 11:48 |
| Diethyl phthalate | < 318 | ug/Kg | 8/23/2018 | 11:48 |
| Dimethyl phthalate | < 318 | ug/Kg | 8/23/2018 | 11:48 |
| Di-n-butyl phthalate | < 318 | ug/Kg | 8/23/2018 | 11:48 |
| Di-n-octylphthalate | < 318 | ug/Kg | 8/23/2018 | 11:48 |
| Fluoranthene | 1200 | ug/Kg | 8/23/2018 | 11:48 |
| Fluorene | < 318 | ug/Kg | 8/23/2018 | 11:48 |

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Report Prepared Friday, August 31, 2018



PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 183775

Client: **BE3**

Project Reference: 31 + 150 Tonawanda St

Sample Identifier: BH-6 (0-2)

Lab Sample ID: 183775-10

Date Sampled: 8/16/2018

Matrix: Soil

Date Received: 8/17/2018

| | | | |
|----------------------------|--------|-------|-----------------|
| Hexachlorobenzene | < 318 | ug/Kg | 8/23/2018 11:48 |
| Hexachlorobutadiene | < 318 | ug/Kg | 8/23/2018 11:48 |
| Hexachlorocyclopentadiene | < 1270 | ug/Kg | 8/23/2018 11:48 |
| Hexachloroethane | < 318 | ug/Kg | 8/23/2018 11:48 |
| Indeno (1,2,3-cd) pyrene | 423 | ug/Kg | 8/23/2018 11:48 |
| Isophorone | < 318 | ug/Kg | 8/23/2018 11:48 |
| Naphthalene | < 318 | ug/Kg | 8/23/2018 11:48 |
| Nitrobenzene | < 318 | ug/Kg | 8/23/2018 11:48 |
| N-Nitroso-di-n-propylamine | < 318 | ug/Kg | 8/23/2018 11:48 |
| N-Nitrosodiphenylamine | < 318 | ug/Kg | 8/23/2018 11:48 |
| Pentachlorophenol | < 635 | ug/Kg | 8/23/2018 11:48 |
| Phenanthrene | 563 | ug/Kg | 8/23/2018 11:48 |
| Phenol | < 318 | ug/Kg | 8/23/2018 11:48 |
| Pyrene | 1000 | ug/Kg | 8/23/2018 11:48 |

| Surrogate | Percent Recovery | Limits | Outliers | Date Analyzed |
|----------------------|------------------|-------------|----------|-----------------|
| 2,4,6-Tribromophenol | 52.8 | 35.7 - 94.4 | | 8/23/2018 11:48 |
| 2-Fluorobiphenyl | 55.5 | 35.7 - 85.7 | | 8/23/2018 11:48 |
| 2-Fluorophenol | 54.4 | 39.4 - 78.1 | | 8/23/2018 11:48 |
| Nitrobenzene-d5 | 55.2 | 36.1 - 74.4 | | 8/23/2018 11:48 |
| Phenol-d5 | 57.7 | 40.6 - 79.3 | | 8/23/2018 11:48 |
| Terphenyl-d14 | 58.1 | 46.6 - 99.9 | | 8/23/2018 11:48 |

Method Reference(s): EPA 8270D

EPA 3546

Preparation Date: 8/22/2018

Data File: B30696.D

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Report Prepared Friday, August 31, 2018



PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 183775

Client: BE3

Project Reference: 31 + 150 Tonawanda St

Sample Identifier: BH-6 (0-2)

Lab Sample ID: 183775-10

Date Sampled: 8/16/2018

Matrix: Soil

Date Received: 8/17/2018

Semi-Volatile Tentatively Identified Compounds

| <u>Tentatively Identified Compound</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|--|-------------------|--------------|------------------|----------------------|
| Unknown | 4030 R | ug/Kg | B | 8/23/2018 |
| Unknown PAH | 300 J | ug/Kg | | 8/23/2018 |
| Unknown Organic Acid | 298 | ug/Kg | | 8/23/2018 |
| Unknown Alkane | 450 | ug/Kg | | 8/23/2018 |
| Unknown | 1150 | ug/Kg | | 8/23/2018 |
| Unknown | 275 | ug/Kg | | 8/23/2018 |
| Unknown PAH | 382 | ug/Kg | | 8/23/2018 |
| Unknown Alkane | 766 | ug/Kg | | 8/23/2018 |
| Unknown PAH | 323 | ug/Kg | | 8/23/2018 |
| Unknown | 270 | ug/Kg | | 8/23/2018 |
| Unknown | 306 | ug/Kg | | 8/23/2018 |
| Unknown Alkane | 653 | ug/Kg | | 8/23/2018 |
| Unknown | 548 | ug/Kg | | 8/23/2018 |
| Unknown | 457 | ug/Kg | | 8/23/2018 |
| Unknown PAH | 463 | ug/Kg | | 8/23/2018 |
| Unknown | 296 | ug/Kg | | 8/23/2018 |
| Unknown | 563 | ug/Kg | | 8/23/2018 |
| Unknown | 375 | ug/Kg | | 8/23/2018 |
| Unknown | 406 | ug/Kg | | 8/23/2018 |
| Unknown | 450 | ug/Kg | | 8/23/2018 |
| Total Reported TICS | 12800 | ug/Kg | | 8/23/2018 |

Method Reference(s): EPA 8270D

EPA 3546

Preparation

8/22/2018

Date:

Tentatively Identified Compound results are estimated values, based on Internal Standard response factors.

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Report Prepared Friday, August 31, 2018



PARADIGM

ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 183775

Client: **BE3**

Project Reference: 31 + 150 Tonawanda St

Sample Identifier: BH-6 (4-6)

Lab Sample ID: 183775-01

Date Sampled: 8/16/2018

Matrix: Soil

Date Received: 8/17/2018

Chlorinated Pesticides

| Analyte | Result | Units | Qualifier | Date Analyzed |
|---------------------|--|-------|-----------|-----------------|
| 4,4-DDD | < 3.90 <i>u5</i> | ug/Kg | | 8/23/2018 19:12 |
| 4,4-DDE | < 3.90 <i>↓</i> | ug/Kg | | 8/23/2018 19:12 |
| 4,4-DDT | 2.58 <i>J</i> | ug/Kg | JP | 8/23/2018 19:12 |
| Aldrin | < 3.90 <i>u5</i> | ug/Kg | | 8/23/2018 19:12 |
| alpha-BHC | 2.39 <i>J</i> | ug/Kg | J | 8/23/2018 19:12 |
| beta-BHC | 3.90 <i>u5</i> 2.27 <i>JN</i> | ug/Kg | JP | 8/23/2018 19:12 |
| cis-Chlordane | 5.47 <i>J</i> | ug/Kg | | 8/23/2018 19:12 |
| delta-BHC | < 3.90 <i>u5</i> | ug/Kg | | 8/23/2018 19:12 |
| Dieldrin | < 3.90 <i>↓</i> | ug/Kg | | 8/23/2018 19:12 |
| Endosulfan I | < 3.90 <i>↓</i> | ug/Kg | | 8/23/2018 19:12 |
| Endosulfan II | < 3.90 <i>↓</i> | ug/Kg | | 8/23/2018 19:12 |
| Endosulfan Sulfate | 7.11 <i>JN</i> | ug/Kg | P | 8/23/2018 19:12 |
| Endrin | < 3.90 <i>u5</i> | ug/Kg | | 8/23/2018 19:12 |
| Endrin Aldehyde | 5.58 <i>J</i> | ug/Kg | | 8/23/2018 19:12 |
| Endrin Ketone | 3.43 <i>↓</i> | ug/Kg | JP | 8/23/2018 19:12 |
| gamma-BHC (Lindane) | < 3.90 <i>u5</i> | ug/Kg | | 8/23/2018 19:12 |
| Heptachlor | < 3.90 <i>↓</i> | ug/Kg | | 8/23/2018 19:12 |
| Heptachlor Epoxide | < 3.90 <i>↓</i> | ug/Kg | | 8/23/2018 19:12 |
| Methoxychlor | 14.9 <i>J</i> | ug/Kg | | 8/23/2018 19:12 |
| Toxaphene | < 39.0 <i>u5</i> | ug/Kg | | 8/23/2018 19:12 |
| trans-Chlordane | < 3.90 <i>↓</i> | ug/Kg | | 8/23/2018 19:12 |

| Surrogate | Percent Recovery | Limits | Outliers | Date Analyzed |
|--------------------------|------------------|------------|----------|-----------------|
| Decachlorobiphenyl (1) | 43.9 | 46.2 - 125 | * | 8/23/2018 19:12 |
| Tetrachloro-m-xylene (1) | 28.3 | 29 - 98.8 | * | 8/23/2018 19:12 |

Method Reference(s): EPA 8081B

EPA 3546

Preparation Date: 8/21/2018

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prep 9/21/18



PARADIGM

ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 183775

Client: BE3

Project Reference: 31 + 150 Tonawanda St

Sample Identifier: BH-1 (0-3)

Lab Sample ID: 183775-03

Date Sampled: 8/16/2018

Matrix: Soil

Date Received: 8/17/2018

Chlorinated Pesticides

| Analyte | Result | Units | Qualifier | Date Analyzed |
|---------------------|---------|-------|-----------|-----------------|
| 4,4-DDD | < 33.3 | ug/Kg | | 8/29/2018 11:45 |
| 4,4-DDE | < 33.3 | ug/Kg | | 8/29/2018 11:45 |
| 4,4-DDT | 33.1 J | ug/Kg | J | 8/29/2018 11:45 |
| Aldrin | < 33.3 | ug/Kg | | 8/29/2018 11:45 |
| alpha-BHC | < 33.3 | ug/Kg | | 8/29/2018 11:45 |
| beta-BHC | 244 | ug/Kg | | 8/29/2018 11:45 |
| cis-Chlordane | 277 | ug/Kg | | 8/29/2018 11:45 |
| delta-BHC | < 33.3 | ug/Kg | | 8/29/2018 11:45 |
| Dieldrin | 112 JN | ug/Kg | P | 8/29/2018 11:45 |
| Endosulfan I | < 33.3 | ug/Kg | | 8/29/2018 11:45 |
| Endosulfan II | < 33.3 | ug/Kg | | 8/29/2018 11:45 |
| Endosulfan Sulfate | 75.6 JN | ug/Kg | P | 8/29/2018 11:45 |
| Endrin | 18.7 J | ug/Kg | J | 8/29/2018 11:45 |
| Endrin Aldehyde | 304 | ug/Kg | | 8/29/2018 11:45 |
| Endrin Ketone | 95.4 | ug/Kg | | 8/29/2018 11:45 |
| gamma-BHC (Lindane) | < 33.3 | ug/Kg | | 8/29/2018 11:45 |
| Heptachlor | < 33.3 | ug/Kg | | 8/29/2018 11:45 |
| Heptachlor Epoxide | 50.5 J | ug/Kg | P | 8/29/2018 11:45 |
| Methoxychlor | < 33.3 | ug/Kg | | 8/29/2018 11:45 |
| Toxaphene | < 33.3 | ug/Kg | | 8/29/2018 11:45 |
| trans-Chlordane | < 33.3 | ug/Kg | | 8/29/2018 11:45 |

| Surrogate | Percent Recovery | Limits | Outliers | Date Analyzed |
|--------------------------|------------------|------------|----------|-----------------|
| Decachlorobiphenyl (1) | NC | 46.2 - 125 | | 8/29/2018 11:45 |
| Tetrachloro-m-xylene (1) | NC | 29 - 98.8 | | 8/29/2018 11:45 |

Method Reference(s): EPA 8081B
EPA 3546
Preparation Date: 8/21/2018

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Report Prepared Friday, August 31, 2018

mp 9/21/18



PARADIGM

ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 183775

Client: BE3

Project Reference: 31 + 150 Tonawanda St

Sample Identifier: BH-3S (12-13.5)

Lab Sample ID: 183775-05

Date Sampled: 8/16/2018

Matrix: Soil

Date Received: 8/17/2018

Chlorinated Pesticides

| Analyte | Result | Units | Qualifier | Date Analyzed |
|---------------------|------------------|-------|-----------|-----------------|
| 4,4-DDD | < 5.63 <i>MS</i> | ug/Kg | | 8/23/2018 20:14 |
| 4,4-DDE | < 5.63 | ug/Kg | | 8/23/2018 20:14 |
| 4,4-DDT | < 5.63 | ug/Kg | | 8/23/2018 20:14 |
| Aldrin | < 5.63 | ug/Kg | | 8/23/2018 20:14 |
| alpha-BHC | < 5.63 | ug/Kg | | 8/23/2018 20:14 |
| beta-BHC | < 5.63 | ug/Kg | | 8/23/2018 20:14 |
| cis-Chlordane | < 5.63 | ug/Kg | | 8/23/2018 20:14 |
| delta-BHC | < 5.63 | ug/Kg | | 8/23/2018 20:14 |
| Dieldrin | < 5.63 | ug/Kg | | 8/23/2018 20:14 |
| Endosulfan I | < 5.63 | ug/Kg | | 8/23/2018 20:14 |
| Endosulfan II | < 5.63 | ug/Kg | | 8/23/2018 20:14 |
| Endosulfan Sulfate | < 5.63 | ug/Kg | | 8/23/2018 20:14 |
| Endrin | < 5.63 | ug/Kg | | 8/23/2018 20:14 |
| Endrin Aldehyde | < 5.63 | ug/Kg | | 8/23/2018 20:14 |
| Endrin Ketone | < 5.63 | ug/Kg | | 8/23/2018 20:14 |
| gamma-BHC (Lindane) | < 5.63 | ug/Kg | | 8/23/2018 20:14 |
| Heptachlor | < 5.63 | ug/Kg | | 8/23/2018 20:14 |
| Heptachlor Epoxide | < 5.63 | ug/Kg | | 8/23/2018 20:14 |
| Methoxychlor | 3.94 <i>J</i> | ug/Kg | JP | 8/23/2018 20:14 |
| Toxaphene | < 56.3 <i>MS</i> | ug/Kg | | 8/23/2018 20:14 |
| trans-Chlordane | < 5.63 <i>L</i> | ug/Kg | | 8/23/2018 20:14 |

| Surrogate | Percent Recovery | Limits | Outliers | Date Analyzed |
|--------------------------|------------------|------------|----------|-----------------|
| Decachlorobiphenyl (1) | <u>17.5</u> | 46.2 - 125 | * | 8/23/2018 20:14 |
| Tetrachloro-m-xylene (1) | <u>22.1</u> | 29 - 98.8 | * | 8/23/2018 20:14 |

Method Reference(s): EPA 8081B

EPA 3546

Preparation Date: 8/21/2018

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Report Prepared Friday, August 31, 2018

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PARADIGM

ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 183775

Client: BE3

Project Reference: 31 + 150 Tonawanda St

Sample Identifier: BH-5 (4-6)

Lab Sample ID: 183775-06

Date Sampled: 8/16/2018

Matrix: Soil

Date Received: 8/17/2018

Chlorinated Pesticides

| Analyte | Result | Units | Qualifier | Date Analyzed |
|---------------------|-------------|-------|-----------|-----------------|
| 4,4-DDD | 5.20 J | ug/Kg | P | 8/23/2018 20:29 |
| 4,4-DDE | < 3.50 | ug/Kg | | 8/23/2018 20:29 |
| 4,4-DDT | 6.44 | ug/Kg | | 8/23/2018 20:29 |
| Aldrin | < 3.50 | ug/Kg | | 8/23/2018 20:29 |
| alpha-BHC | < 3.50 | ug/Kg | | 8/23/2018 20:29 |
| beta-BHC | < 3.50 | ug/Kg | | 8/23/2018 20:29 |
| cis-Chlordane | 1.88 J | ug/Kg | J | 8/23/2018 20:29 |
| delta-BHC | < 3.50 | ug/Kg | | 8/23/2018 20:29 |
| Dieldrin | 3-50 u 2.22 | ug/Kg | JP | 8/23/2018 20:29 |
| Endosulfan I | < 3.50 | ug/Kg | | 8/23/2018 20:29 |
| Endosulfan II | 3.52 J | ug/Kg | | 8/23/2018 20:29 |
| Endosulfan Sulfate | 5.20 J | ug/Kg | P | 8/23/2018 20:29 |
| Endrin | < 3.50 | ug/Kg | | 8/23/2018 20:29 |
| Endrin Aldehyde | 2.48 J | ug/Kg | J | 8/23/2018 20:29 |
| Endrin Ketone | < 3.50 | ug/Kg | | 8/23/2018 20:29 |
| gamma-BHC (Lindane) | < 3.50 | ug/Kg | | 8/23/2018 20:29 |
| Heptachlor | < 3.50 | ug/Kg | | 8/23/2018 20:29 |
| Heptachlor Epoxide | < 3.50 | ug/Kg | | 8/23/2018 20:29 |
| Methoxychlor | < 3.50 | ug/Kg | | 8/23/2018 20:29 |
| Toxaphene | < 35.0 | ug/Kg | | 8/23/2018 20:29 |
| trans-Chlordane | < 3.50 | ug/Kg | | 8/23/2018 20:29 |

| Surrogate | Percent Recovery | Limits | Outliers | Date Analyzed |
|--------------------------|------------------|------------|----------|-----------------|
| Decachlorobiphenyl (1) | 15.1 | 46.2 - 125 | * | 8/23/2018 20:29 |
| Tetrachloro-m-xylene (1) | 40.0 | 29 - 98.8 | | 8/23/2018 20:29 |

Method Reference(s): EPA 8081B

EPA 3546

Preparation Date: 8/21/2018

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Report Prepared Friday, August 31, 2018



PARADIGM

ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 183775

Client: **BE3**

Project Reference: 31 + 150 Tonawanda St

Sample Identifier: BH-4 (0-1)

Lab Sample ID: 183775-08

Date Sampled: 8/16/2018

Matrix: Soil

Date Received: 8/17/2018

Chlorinated Pesticides

| Analyte | Result | Units | Qualifier | Date Analyzed |
|---------------------|---------|-------|-----------|-----------------|
| 4,4-DDD | < 3.44 | ug/Kg | | 8/23/2018 21:00 |
| 4,4-DDE | < 3.44 | ug/Kg | | 8/23/2018 21:00 |
| 4,4-DDT | < 3.44 | ug/Kg | | 8/23/2018 21:00 |
| Aldrin | < 3.44 | ug/Kg | | 8/23/2018 21:00 |
| alpha-BHC | < 3.44 | ug/Kg | | 8/23/2018 21:00 |
| beta-BHC | < 3.44 | ug/Kg | | 8/23/2018 21:00 |
| cis-Chlordane | 6.72 | ug/Kg | | 8/23/2018 21:00 |
| delta-BHC | < 3.44 | ug/Kg | | 8/23/2018 21:00 |
| Dieldrin | < 3.44 | ug/Kg | | 8/23/2018 21:00 |
| Endosulfan I | < 3.44 | ug/Kg | | 8/23/2018 21:00 |
| Endosulfan II | < 3.44 | ug/Kg | | 8/23/2018 21:00 |
| Endosulfan Sulfate | < 3.44 | ug/Kg | | 8/23/2018 21:00 |
| Endrin | < 3.44 | ug/Kg | | 8/23/2018 21:00 |
| Endrin Aldehyde | < 3.44 | ug/Kg | | 8/23/2018 21:00 |
| Endrin Ketone | < 3.44 | ug/Kg | | 8/23/2018 21:00 |
| gamma-BHC (Lindane) | < 3.44 | ug/Kg | | 8/23/2018 21:00 |
| Heptachlor | < 3.44 | ug/Kg | | 8/23/2018 21:00 |
| Heptachlor Epoxide | < 3.44 | ug/Kg | | 8/23/2018 21:00 |
| Methoxychlor | 5.92 JN | ug/Kg | P | 8/23/2018 21:00 |
| Toxaphene | < 34.4 | ug/Kg | | 8/23/2018 21:00 |
| trans-Chlordane | < 3.44 | ug/Kg | | 8/23/2018 21:00 |

| Surrogate | Percent Recovery | Limits | Outliers | Date Analyzed |
|--------------------------|------------------|------------|----------|-----------------|
| Decachlorobiphenyl (1) | 45.4 | 46.2 - 125 | * | 8/23/2018 21:00 |
| Tetrachloro-m-xylene (1) | 32.1 | 29 - 98.8 | | 8/23/2018 21:00 |

Method Reference(s): EPA 8081B

EPA 3546

Preparation Date: 8/21/2018

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Report Prepared Friday, August 31, 2018



PARADIGM

ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 183775

Client: BE3

Project Reference: 31 + 150 Tonawanda St

Sample Identifier: BH-5 (0-2)

Lab Sample ID: 183775-09

Date Sampled: 8/16/2018

Matrix: Soil

Date Received: 8/17/2018

Chlorinated Pesticides

| Analyte | Result | Units | Qualifier | Date Analyzed |
|---------------------|------------------------|-------|-----------|-----------------|
| 4,4-DDD | < 3.42 | ug/Kg | | 8/23/2018 21:16 |
| 4,4-DDE | < 3.42 | ug/Kg | | 8/23/2018 21:16 |
| 4,4-DDT | < 3.42 | ug/Kg | | 8/23/2018 21:16 |
| Aldrin | < 3.42 | ug/Kg | | 8/23/2018 21:16 |
| alpha-BHC | < 3.42 | ug/Kg | | 8/23/2018 21:16 |
| beta-BHC | < 3.42 | ug/Kg | | 8/23/2018 21:16 |
| cis-Chlordane | 18.9 J | ug/Kg | | 8/23/2018 21:16 |
| delta-BHC | < 3.42 | ug/Kg | | 8/23/2018 21:16 |
| Dieldrin | 5.49 JN | ug/Kg | P | 8/23/2018 21:16 |
| Endosulfan I | < 3.42 | ug/Kg | | 8/23/2018 21:16 |
| Endosulfan II | < 3.42 | ug/Kg | | 8/23/2018 21:16 |
| Endosulfan Sulfate | 3.42 U 2.45 | ug/Kg | JP | 8/23/2018 21:16 |
| Endrin | < 3.42 | ug/Kg | | 8/23/2018 21:16 |
| Endrin Aldehyde | 3.42 U 1.74 | ug/Kg | JP | 8/23/2018 21:16 |
| Endrin Ketone | 3.42 U 3.03 | ug/Kg | JP | 8/23/2018 21:16 |
| gamma-BHC (Lindane) | < 3.42 | ug/Kg | | 8/23/2018 21:16 |
| Heptachlor | < 3.42 | ug/Kg | | 8/23/2018 21:16 |
| Heptachlor Epoxide | < 3.42 | ug/Kg | | 8/23/2018 21:16 |
| Methoxychlor | 11.5 JN | ug/Kg | P | 8/23/2018 21:16 |
| Toxaphene | < 3.42 | ug/Kg | | 8/23/2018 21:16 |
| trans-Chlordane | < 3.42 | ug/Kg | | 8/23/2018 21:16 |

| Surrogate | Percent Recovery | Limits | Outliers | Date Analyzed |
|--------------------------|------------------|------------|----------|-----------------|
| Decachlorobiphenyl (1) | 69.9 | 46.2 - 125 | | 8/23/2018 21:16 |
| Tetrachloro-m-xylene (1) | 59.7 | 29 - 98.8 | | 8/23/2018 21:16 |

Method Reference(s): EPA 8081B
EPA 3546
Preparation Date: 8/21/2018

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Friday, August 31, 2018

mm48 9/20/18



PARADIGM

ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 183775

Client: **BE3**

Project Reference: 31 + 150 Tonawanda St

Sample Identifier: BH-6 (0-2)

Lab Sample ID: 183775-10

Date Sampled: 8/16/2018

Matrix: Soil

Date Received: 8/17/2018

Chlorinated Pesticides

| Analyte | Result | Units | Qualifier | Date Analyzed |
|---------------------|-----------------------|-------|-----------|-----------------|
| 4,4-DDD | 3.51 J | ug/Kg | P | 8/23/2018 21:31 |
| 4,4-DDE | 3.59 J | ug/Kg | | 8/23/2018 21:31 |
| 4,4-DDT | 4.53 | ug/Kg | | 8/23/2018 21:31 |
| Aldrin | < 3.47 | ug/Kg | | 8/23/2018 21:31 |
| alpha-BHC | < 3.47 | ug/Kg | | 8/23/2018 21:31 |
| beta-BHC | < 3.47 | ug/Kg | | 8/23/2018 21:31 |
| cis-Chlordane | 7.83 JN | ug/Kg | P | 8/23/2018 21:31 |
| delta-BHC | < 3.47 | ug/Kg | | 8/23/2018 21:31 |
| Dieldrin | < 3.47 | ug/Kg | | 8/23/2018 21:31 |
| Endosulfan I | < 3.47 | ug/Kg | | 8/23/2018 21:31 |
| Endosulfan II | < 3.47 | ug/Kg | | 8/23/2018 21:31 |
| Endosulfan Sulfate | < 3.47 | ug/Kg | | 8/23/2018 21:31 |
| Endrin | < 3.47 | ug/Kg | | 8/23/2018 21:31 |
| Endrin Aldehyde | < 3.47 | ug/Kg | | 8/23/2018 21:31 |
| Endrin Ketone | < 3.47 | ug/Kg | | 8/23/2018 21:31 |
| gamma-BHC (Lindane) | < 3.47 | ug/Kg | | 8/23/2018 21:31 |
| Heptachlor | < 3.47 | ug/Kg | | 8/23/2018 21:31 |
| Heptachlor Epoxide | < 3.47 | ug/Kg | | 8/23/2018 21:31 |
| Methoxychlor | 3.474 2.44 | ug/Kg | JP | 8/23/2018 21:31 |
| Toxaphene | < 3.47 | ug/Kg | | 8/23/2018 21:31 |
| trans-Chlordane | 4.98 | ug/Kg | | 8/23/2018 21:31 |

| Surrogate | Percent Recovery | Limits | Outliers | Date Analyzed |
|--------------------------|------------------|------------|----------|-----------------|
| Decachlorobiphenyl (1) | 29.8 | 46.2 - 125 | * | 8/23/2018 21:31 |
| Tetrachloro-m-xylene (1) | 51.6 | 29 - 98.8 | | 8/23/2018 21:31 |

Method Reference(s): EPA 8081B

EPA 3546

Preparation Date: 8/21/2018

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Report Prepared Friday, August 31, 2018

8/21/18



PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 183775

Client: **BE3**

Project Reference: 31 + 150 Tonawanda St

Sample Identifier: BH-1 (0-3)

Lab Sample ID: 183775-03

Date Sampled: 8/16/2018

Matrix: Soil

Date Received: 8/17/2018

PCBs

| Analyte | Result | Units | Qualifier | Date Analyzed |
|----------|----------|-------|-----------|-----------------|
| PCB-1016 | < 0.0333 | mg/Kg | | 8/23/2018 16:36 |
| PCB-1221 | < 0.0333 | mg/Kg | | 8/23/2018 16:36 |
| PCB-1232 | < 0.0333 | mg/Kg | | 8/23/2018 16:36 |
| PCB-1242 | < 0.0333 | mg/Kg | | 8/23/2018 16:36 |
| PCB-1248 | < 0.0333 | mg/Kg | | 8/23/2018 16:36 |
| PCB-1254 | < 0.0333 | mg/Kg | | 8/23/2018 16:36 |
| PCB-1260 | 0.0345 J | mg/Kg | | 8/23/2018 16:36 |
| PCB-1262 | < 0.0333 | mg/Kg | | 8/23/2018 16:36 |
| PCB-1268 | < 0.0333 | mg/Kg | | 8/23/2018 16:36 |

| Surrogate | Percent Recovery | Limits | Outliers | Date Analyzed |
|----------------------|------------------|------------|----------|-----------------|
| Decachlorobiphenyl | 57.1 | 23.4 - 108 | | 8/23/2018 16:36 |
| Tetrachloro-m-xylene | 42.3 | 10 - 84 | | 8/23/2018 16:36 |

Method Reference(s): EPA 8082A

EPA 3546

Preparation Date: 8/21/2018

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Report Prepared Friday, August 31, 2018

mw 8/21/18



PARADIGM

ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 183775

Client: BE3

Project Reference: 31 + 150 Tonawanda St

Sample Identifier: BH-3S (12-13.5)

Lab Sample ID: 183775-05

Date Sampled: 8/16/2018

Matrix: Soil

Date Received: 8/17/2018

PCBs

| Analyte | Result | Units | Qualifier | Date Analyzed |
|----------|--------------------|-------|-----------|-----------------|
| PCB-1016 | < 0.0563 <i>us</i> | mg/Kg | | 8/23/2018 17:23 |
| PCB-1221 | < 0.0563 | mg/Kg | | 8/23/2018 17:23 |
| PCB-1232 | < 0.0563 | mg/Kg | | 8/23/2018 17:23 |
| PCB-1242 | < 0.0563 | mg/Kg | | 8/23/2018 17:23 |
| PCB-1248 | < 0.0563 | mg/Kg | | 8/23/2018 17:23 |
| PCB-1254 | < 0.0563 | mg/Kg | | 8/23/2018 17:23 |
| PCB-1260 | < 0.0563 | mg/Kg | | 8/23/2018 17:23 |
| PCB-1262 | < 0.0563 | mg/Kg | | 8/23/2018 17:23 |
| PCB-1268 | < 0.0563 | mg/Kg | | 8/23/2018 17:23 |

| Surrogate | Percent Recovery | Limits | Outliers | Date Analyzed |
|----------------------|------------------|------------|----------|-----------------|
| Decachlorobiphenyl | <u>12.5</u> | 23.4 - 108 | * | 8/23/2018 17:23 |
| Tetrachloro-m-xylene | <u>7.90</u> | 10 - 84 | * | 8/23/2018 17:23 |

Method Reference(s): EPA 8082A

EPA 3546

Preparation Date: 8/21/2018

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Report Prepared Friday, August 31, 2018



PARADIGM

ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 183775

Client: BE3

Project Reference: 31 + 150 Tonawanda St

Sample Identifier: BH-5 (4-6)

Lab Sample ID: 183775-06

Date Sampled: 8/16/2018

Matrix: Soil

Date Received: 8/17/2018

PCBs

| Analyte | Result | Units | Qualifier | Date Analyzed |
|----------|----------|-------|-----------|-----------------|
| PCB-1016 | < 0.0350 | mg/Kg | | 8/23/2018 17:46 |
| PCB-1221 | < 0.0350 | mg/Kg | | 8/23/2018 17:46 |
| PCB-1232 | < 0.0350 | mg/Kg | | 8/23/2018 17:46 |
| PCB-1242 | < 0.0350 | mg/Kg | | 8/23/2018 17:46 |
| PCB-1248 | < 0.0350 | mg/Kg | | 8/23/2018 17:46 |
| PCB-1254 | < 0.0350 | mg/Kg | | 8/23/2018 17:46 |
| PCB-1260 | 0.0680 J | mg/Kg | | 8/23/2018 17:46 |
| PCB-1262 | < 0.0350 | mg/Kg | | 8/23/2018 17:46 |
| PCB-1268 | < 0.0350 | mg/Kg | | 8/23/2018 17:46 |

| Surrogate | Percent Recovery | Limits | Outliers | Date Analyzed |
|----------------------|------------------|------------|----------|-----------------|
| Decachlorobiphenyl | 28.5 | 23.4 - 108 | | 8/23/2018 17:46 |
| Tetrachloro-m-xylene | 11.8 | 10 - 84 | | 8/23/2018 17:46 |

Method Reference(s): EPA 8082A

EPA 3546

Preparation Date: 8/21/2018

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Report Prepared Friday, August 31, 2018



PARADIGM

ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 183775

Client: **BE3**

Project Reference: 31 + 150 Tonawanda St

Sample Identifier: BH-4 (11.5-12)

Lab Sample ID: 183775-07

Date Sampled: 8/16/2018

Matrix: Soil

Date Received: 8/17/2018

PCBs

| Analyte | Result | Units | Qualifier | Date Analyzed |
|----------------------|------------------|------------|-----------|-----------------|
| PCB-1016 | < 0.0473 | mg/Kg | M | 8/23/2018 18:09 |
| PCB-1221 | < 0.0473 | mg/Kg | | 8/23/2018 18:09 |
| PCB-1232 | < 0.0473 | mg/Kg | | 8/23/2018 18:09 |
| PCB-1242 | < 0.0473 | mg/Kg | | 8/23/2018 18:09 |
| PCB-1248 | < 0.0473 | mg/Kg | | 8/23/2018 18:09 |
| PCB-1254 | < 0.0473 | mg/Kg | | 8/23/2018 18:09 |
| PCB-1260 | < 0.0473 | mg/Kg | M | 8/23/2018 18:09 |
| PCB-1262 | < 0.0473 | mg/Kg | | 8/23/2018 18:09 |
| PCB-1268 | < 0.0473 | mg/Kg | | 8/23/2018 18:09 |
| Surrogate | Percent Recovery | Limits | Outliers | Date Analyzed |
| Decachlorobiphenyl | 18.6 | 23.4 - 108 | * | 8/23/2018 18:09 |
| Tetrachloro-m-xylene | 12.9 | 10 - 84 | | 8/23/2018 18:09 |

Method Reference(s): EPA 8082A

EPA 3546

Preparation Date: 8/21/2018

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Report Prepared Friday, August 31, 2018



PARADIGM

ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 183775

Client: BE3

Project Reference: 31 + 150 Tonawanda St

Sample Identifier: BH-6 (0-2)

Lab Sample ID: 183775-10

Date Sampled: 8/16/2018

Matrix: Soil

Date Received: 8/17/2018

Mercury

| Analyte | Result | Units | Qualifier | Date Analyzed |
|---------|---------|-------|-----------|-----------------|
| Mercury | 0.133 J | mg/Kg | M | 8/28/2018 12:21 |

Method Reference(s): EPA 7471B

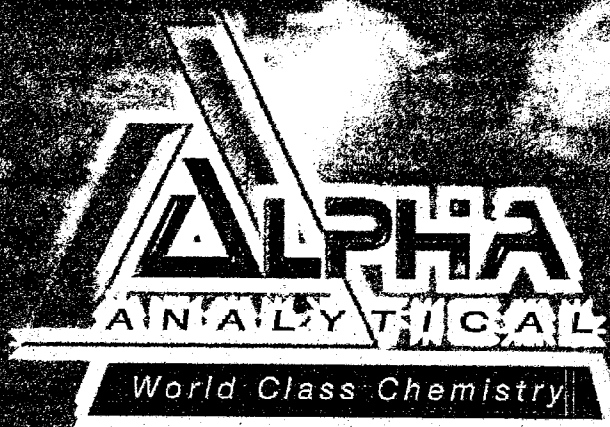
Preparation Date: 8/27/2018

Data File: Hg180828B

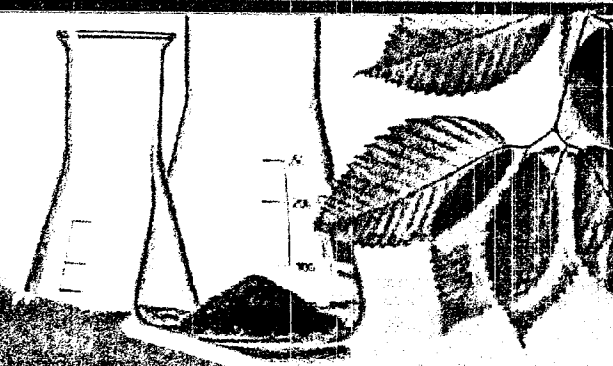
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Report Prepared Friday, August 31, 2018

mg/Kg



www.alphalab.com



Alpha Analytical

Laboratory Code: 11148

SDG Number: L1833823

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Project Name: 183775
Project Number: 183775

Lab Number: L1833823
Report Date: 09/04/18

| Alpha Sample ID | Client ID | Matrix | Sample Location | Collection Date/Time | Receive Date |
|----------------------------|---------------------------|---------------|----------------------------|---------------------------------|---------------------|
| L1833823-01 | BH-6 (4-6) 183775-01 | SOIL | Not Specified | 08/16/18 14:40 | 08/27/18 |
| L1833823-02 | BH-2 (19-20) 183775-02 | SOIL | Not Specified | 08/16/18 11:55 | 08/27/18 |
| L1833823-03 | BH-1 (0-3) 183775-03 | SOIL | Not Specified | 08/16/18 13:00 | 08/27/18 |
| L1833823-04 | BH-2 (13.5-15) 183775-04 | SOIL | Not Specified | 08/16/18 13:10 | 08/27/18 |
| L1833823-05 | BH-3S (12-13.5) 183775-05 | SOIL | Not Specified | 08/16/18 10:47 | 08/27/18 |
| L1833823-06 | BH-5 (4-6) 183775-06 | SOIL | Not Specified | 08/16/18 13:50 | 08/27/18 |
| L1833823-07 | BH-4 (11.5-12) 183775-07 | SOIL | Not Specified | 08/16/18 09:30 | 08/27/18 |
| L1833823-08 | BH-4 (0-1) 183775-08 | SOIL | Not Specified | 08/16/18 09:30 | 08/27/18 |
| L1833823-09 | BH-5 (0-2) 183775-09 | SOIL | Not Specified | 08/16/18 13:50 | 08/27/18 |
| L1833823-10 | BH-6 (0-2) 183775-10 | SOIL | Not Specified | 08/16/18 14:40 | 08/27/18 |

Project Name: 183775
Project Number: 183775

Lab Number: L1833823
Report Date: 09/04/18

Case Narrative (continued)

Report Revision

September 04, 2018: At the client's request Total Cyanide, Hexavalent Chromium, and Trivalent Chromium are no longer reported.

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:



Report Date: 09/04/18

Title: Technical Director/Representative



Appendix B

Laboratory QC Documentation

VOLATILE SURROGATE RECOVERY

Lab Name: Paradigm Environmental Services
 Lab Project #: 183775
 Client Name: BE3
 Client Project Name: 31 + 150 Tonawanda St
 Client Project #: N/A
 SDG No.: 3775-01

Matrix: Soil
 QC Batch: voas180828

Instrument ID: Instrument1
 GC Column: DB-624

ID (mm): 0.20

Detector: MSD

| LAB SAMPLE NO. | CLIENT SAMPLE ID | PFB (%Recovery) | 12DCEd4 (%Recovery) | Td8 (%Recovery) | 4BFB (%Recovery) | Total Out |
|-------------------|---------------------|--------------------|------------------------|--------------------|---------------------|--------------|
| 1 Blk 1 | N/A | 95.1 | 107 | 91.8 | 95.2 | 0 |
| 2 LCS 1 | N/A | 100 | 92.0 | 97.2 | 102 | 0 |
| 3 183775-01 | BH-6 (4-6) | 85.7 | 113 | 84.4 * | 62.5 * | 2 |
| 4 183775-05 | BH-3S (12-13.5) | 92.3 | 112 | 116 * | 93.0 | 1 |
| 5 183775-07 | BH-4 (11.5-12) | 92.6 | 103 | 103 | 99.2 | 0 |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |
| 11 | | | | | | |
| 12 | | | | | | |
| 13 | | | | | | |
| 14 | | | | | | |
| 15 | | | | | | |
| 16 | | | | | | |
| 17 | | | | | | |
| 18 | | | | | | |
| 19 | | | | | | |
| 20 | | | | | | |
| 21 | | | | | | |
| 22 | | | | | | |
| 23 | | | | | | |
| 24 | | | | | | |
| 25 | | | | | | |

QC LIMITS %

PFB = Pentafluorobenzene
 12DCEd4 = 1,2-Dichloroethane-d4
 Td8 = Toluene-d8
 4BFB = 4-Bromofluorobenzene

(85.3 - 111)
 (80.4 - 128)
 (85 - 112)
 (75.7 - 120)

* Values outside of current required QC limits
 D Surrogate diluted out



QC Report for Laboratory Control Sample

Client: BE3
Project Reference: 31 + 150 Tonawanda St
Lab Project ID: 183775
SDG #: 3775-01
Matrix: Soil

Volatile Organics

| <u>Analyte</u> | <u>Spike Added</u> | <u>Spike Units</u> | <u>LCS Result</u> | <u>LCS % Recovery</u> | <u>% Rec Limits</u> | <u>LCS Outliers</u> | <u>Date Analyzed</u> |
|---------------------------|--------------------|--------------------|-------------------|-----------------------|---------------------|---------------------|----------------------|
| 1,1,1-Trichloroethane | 20.0 | ug/Kg | 15.1 | 75.5 | 70.9 - 123 | | 8/30/2018 |
| 1,1,2,2-Tetrachloroethane | 20.0 | ug/Kg | 17.0 | 84.9 | 80.7 - 125 | | 8/30/2018 |
| 1,1,2-Trichloroethane | 20.0 | ug/Kg | 16.4 | 82.2 | 80.7 - 119 | | 8/30/2018 |
| 1,1-Dichloroethane | 20.0 | ug/Kg | 15.1 | 75.5 | 74.8 - 121 | | 8/30/2018 |
| 1,1-Dichloroethene | 20.0 | ug/Kg | 14.4 | 71.8 | 68.2 - 123 | | 8/30/2018 |
| 1,2-Dichlorobenzene | 20.0 | ug/Kg | 15.6 | 78.0 | 80.2 - 120 | * | 8/30/2018 |
| 1,2-Dichloroethane | 20.0 | ug/Kg | 16.3 | 81.6 | 77.7 - 128 | | 8/30/2018 |
| 1,2-Dichloropropane | 20.0 | ug/Kg | 15.4 | 77.2 | 76.1 - 116 | | 8/30/2018 |
| 1,3-Dichlorobenzene | 20.0 | ug/Kg | 15.1 | 75.7 | 75.6 - 117 | | 8/30/2018 |
| 1,4-Dichlorobenzene | 20.0 | ug/Kg | 14.1 | 70.7 | 74.4 - 114 | * | 8/30/2018 |
| Benzene | 20.0 | ug/Kg | 15.5 | 77.7 | 81.6 - 120 | * | 8/30/2018 |
| Bromodichloromethane | 20.0 | ug/Kg | 16.1 | 80.5 | 77.9 - 121 | | 8/30/2018 |
| Bromoform | 20.0 | ug/Kg | 15.1 | 75.5 | 58.5 - 118 | | 8/30/2018 |
| Bromomethane | 20.0 | ug/Kg | 18.2 | 91.2 | 58 - 150 | | 8/30/2018 |
| Carbon Tetrachloride | 20.0 | ug/Kg | 15.5 | 77.4 | 65.6 - 126 | | 8/30/2018 |
| Chlorobenzene | 20.0 | ug/Kg | 15.3 | 76.3 | 78.8 - 117 | * | 8/30/2018 |

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QC Report for Laboratory Control Sample

Client: BE3
Project Reference: 31 + 150 Tonawanda St
Lab Project ID: 183775
SDG #: 3775-01
Matrix: Soil

Volatile Organics

| <u>Analyte</u> | <u>Spike Added</u> | <u>Spike Units</u> | <u>LCS Result</u> | <u>LCS % Recovery</u> | <u>% Rec Limits</u> | <u>LCS Outliers</u> | <u>Date Analyzed</u> |
|---------------------------|--------------------|--------------------|-------------------|-----------------------|---------------------|---------------------|----------------------|
| Chloroethane | 20.0 | ug/Kg | 16.4 | 82.2 | 71.4 - 139 | | 8/30/2018 |
| Chloroform | 20.0 | ug/Kg | 15.4 | 77.0 | 79.3 - 124 | * | 8/30/2018 |
| Chloromethane | 20.0 | ug/Kg | 17.8 | 89.1 | 57.5 - 146 | | 8/30/2018 |
| cis-1,3-Dichloropropene | 20.0 | ug/Kg | 16.1 | 80.4 | 66.1 - 124 | | 8/30/2018 |
| Dibromochloromethane | 20.0 | ug/Kg | 16.0 | 80.2 | 72.3 - 126 | | 8/30/2018 |
| Ethylbenzene | 20.0 | ug/Kg | 15.4 | 77.2 | 77.8 - 121 | * | 8/30/2018 |
| Methylene chloride | 20.0 | ug/Kg | 16.9 | 84.3 | 52.6 - 150 | | 8/30/2018 |
| Tetrachloroethene | 20.0 | ug/Kg | 16.3 | 81.7 | 77.4 - 123 | | 8/30/2018 |
| Toluene | 20.0 | ug/Kg | 15.4 | 76.9 | 80.8 - 121 | * | 8/30/2018 |
| trans-1,2-Dichloroethene | 20.0 | ug/Kg | 15.0 | 75.0 | 70.4 - 123 | | 8/30/2018 |
| trans-1,3-Dichloropropene | 20.0 | ug/Kg | 14.8 | 73.8 | 59.9 - 114 | | 8/30/2018 |
| Trichloroethene | 20.0 | ug/Kg | 15.6 | 77.8 | 76.1 - 117 | | 8/30/2018 |
| Trichlorofluoromethane | 20.0 | ug/Kg | 15.0 | 75.0 | 62.1 - 137 | | 8/30/2018 |
| Vinyl chloride | 20.0 | ug/Kg | 17.2 | 86.1 | 62.5 - 139 | | 8/30/2018 |

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VOLATILE INTERNAL STANDARD AREA and RT SUMMARY

Lab Name: Paradigm Environmental ServicesSample ID: CCVLab Project #: 183775Lab File ID: x53581a.DClient Name: BE3Client Project Name: 31 + 150 Tonawanda StDate Analyzed: 8/28/2018Client Project #: N/ATime Analyzed: 13:12SDG No.: 3775-01QC Batch: voas180828Instrument ID: Instrument1GC Column: DB-624ID (mm): 0.20Detector: MSD

| CCV | IS1: FB | | IS2: CBd5 | | IS3: 14DCBd4 | |
|------------------|---------|------|-----------|------|--------------|-------|
| | Area | RT | Area | RT | AREA | RT |
| 12 Hour Standard | 147695 | 4.99 | 110017 | 7.94 | 66465 | 10.47 |
| Upper Limit | 295390 | 5.49 | 220034 | 8.44 | 132930 | 10.97 |
| Lower Limit | 73848 | 4.49 | 55009 | 7.44 | 33233 | 9.97 |

This CCV applies to the following Samples and QC

| LAB SAMPLE NO. | CLIENT SAMPLE ID | IS1: FB | | IS2: CBd5 | | IS3: 14DCBd4 | |
|-------------------|---------------------|---------|------|-----------|------|--------------|-------|
| | | AREA | RT | AREA | RT | AREA | RT |
| 1 Blk1 | N/A | 142081 | 5.00 | 105722 | 7.94 | 59103 | 10.47 |
| 2 LCS1 | N/A | 150318 | 5.00 | 109457 | 7.94 | 65817 | 10.47 |
| 3 183775-01 | BH-6 (4-6) | 116979 | 5.00 | 61921 | 7.94 | 24024 * | 10.48 |
| 4 183775-05 | BH-3S (12-13.5) | 99884 | 5.00 | 92108 | 7.94 | 38525 | 10.47 |
| 5 183775-07 | BH-4 (11.5-12) | 146543 | 5.00 | 111560 | 7.94 | 59364 | 10.47 |
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IS1: FB = Fluorobenzene

IS2: CBd5 = Chlorobenzene-d5

IS3: 14DCBd4 = 1,4-Dichlorobenzene-d4

Notes: * Values outside of method specified limits
 Area Limits = -50% to +100% of 12 Hour Standard area
 RT Limits = -0.50 to +0.50 minutes of 12 Hour Standard retention times

Evaluate Continuing Calibration Report

Data File: C:\msdchem\1\DATA\180827\53526a.D

DataAcq Meth:8260RUN.M

Acq On : 27 Aug 2018 11:28 am

Sample : 50ppb mega CC

Misc :

ALS Vial : 4 Sample Multiplier: 1

Operator: Bill Brew

Inst : Instrument #1

Quant Time: Aug 27 11:56:37 2018

Quant Method : C:\msdchem\1\METHODS\180824.M

Quant Title : 8260/624 Analysis

QLast Update : Fri Aug 24 17:57:02 2018

Response via : Initial Calibration

Integrator: RTE

8/27/18 BB

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min

Max. RRF Dev : 20% Max. Rel. Area : 200%

| Compound | AvgRF | CCRF | %Dev | Area% | Dev (min) |
|-------------------------------|-------|--------|-------|-------|-----------|
| 1 I Fluorobenzene | 1.000 | 1.000 | 0.0 | 100 | 0.00 |
| 2 P Dichlorodifluoromethane | 0.311 | 0.312 | -0.3 | 106 | 0.00 |
| 3 P Chloromethane | 0.449 | 0.448 | 0.2 | 111 | 0.00 |
| 4 P Vinyl chloride | 0.413 | 0.421 | -1.9 | 112 | 0.00 |
| 5 P Bromomethane | 0.303 | 0.313 | -3.3 | 119 | 0.00 |
| 6 P Chloroethane | 0.270 | 0.268 | 0.7 | 112 | 0.00 |
| 7 P Trichlorofluoromethane | 0.550 | 0.584 | -6.2 | 114 | 0.00 |
| 8 Ethyl ether | 0.334 | 0.315 | 5.7 | 100 | 0.00 |
| 9 P Freon 113 | 0.331 | 0.364 | -10.0 | 119 | 0.00 |
| 10 P 1,1-Dichloroethene | 0.540 | 0.585 | -8.3 | 119 | 0.00 |
| 11 P Acetone | 0.276 | 0.212 | 23.2# | 109 | 0.00 |
| 12 Isopropyl Alcohol | 0.000 | 0.000 | 0.0 | 0# | 0.06 |
| 13 P Carbon disulfide | 1.042 | 1.209 | -16.0 | 121 | 0.00 |
| 14 P Methyl acetate | 0.250 | 0.235 | 6.0 | 100 | 0.00 |
| 15 P Methylene chloride | 0.418 | 0.394 | 5.7 | 113 | 0.00 |
| 16 Acrylonitrile | 0.134 | 0.132 | 1.5 | 110 | 0.00 |
| 17 tert-Butyl Alcohol | 0.042 | 0.038 | 9.5 | 105 | 0.00 |
| 18 P Methyl tert-butyl Ether | 0.990 | 1.016 | -2.6 | 121 | 0.00 |
| 19 P trans-1,2-Dichloroethene | 0.521 | 0.591 | -13.4 | 130 | 0.00 |
| 20 P 1,1-Dichloroethane | 0.626 | 0.726 | -16.0 | 131 | 0.00 |
| 21 Vinyl acetate | 0.678 | 0.726 | -7.1 | 101 | 0.00 |
| 22 2,2-Dichloropropane | 0.540 | 0.601 | -11.3 | 116 | 0.00 |
| 23 P 2-Butanone | 0.056 | 0.063# | -12.5 | 118 | 0.00 |
| 24 P cis-1,2-Dichloroethene | 0.418 | 0.429 | -2.6 | 107 | 0.00 |
| 25 Bromochloromethane | 0.192 | 0.186 | 3.1 | 108 | 0.00 |
| 26 P Chloroform | 0.671 | 0.671 | 0.0 | 107 | 0.00 |
| 27 S Pentafluorobenzene | 0.518 | 0.513 | 1.0 | 101 | 0.00 |
| 28 Tetrahydrofuran | 0.101 | 0.094 | 6.9 | 96 | 0.00 |
| 29 P 1,1,1-Trichloroethane | 0.578 | 0.615 | -6.4 | 112 | 0.00 |
| 30 P Cyclohexane | 0.650 | 0.772 | -18.8 | 118 | 0.00 |
| 31 S 1,2-Dichloroethane-d4 | 0.259 | 0.240 | 7.3 | 93 | 0.00 |
| 32 P Carbon Tetrachloride | 0.470 | 0.524 | -11.5 | 115 | 0.00 |
| 33 P Benzene | 1.504 | 1.587 | -5.5 | 111 | 0.00 |
| 34 P 1,2-Dichloroethane | 0.511 | 0.491 | 3.9 | 104 | 0.00 |
| 35 P Trichloroethene | 0.378 | 0.413 | -9.3 | 115 | 0.00 |
| 36 tert-Butyl Acetate | 0.000 | 0.029 | 0.0 | 0# | 0.10 |
| 37 P Methylcyclohexane | 0.579 | 0.694 | -19.9 | 113 | 0.00 |
| 38 1,4-Dioxane | 0.005 | 0.005 | 0.0 | 108 | -0.01 |
| 39 UN Ethyl acetate | 0.000 | 0.000 | 0.0 | 0# | 0.00 |
| 40 P 1,2-Dichloropropane | 0.404 | 0.399 | 1.2 | 108 | 0.00 |
| 41 UN Isobutyl alcohol | 0.000 | 0.000 | 0.0 | 0# | 0.00 |
| 42 Dibromomethane | 0.225 | 0.211 | 6.2 | 101 | 0.00 |
| 43 P Bromodichloromethane | 0.492 | 0.506 | -2.8 | 108 | 0.00 |
| 44 2-Chloroethyl vinyl Ether | 0.138 | 0.149 | -8.0 | 100 | 0.00 |
| 45 UN Isopropyl acetate | 0.000 | 0.000 | 0.0 | 0# | 0.00 |
| 46 1,1-Dichloropropene | 0.486 | 0.551 | -13.4 | 116 | 0.00 |
| 47 P cis-1,3-Dichloropropene | 0.579 | 0.619 | -6.9 | 107 | 0.00 |
| 48 P 4-Methyl-2-pentanone | 0.123 | 0.140 | -13.8 | 103 | 0.00 |
| 49 S Toluene-D8 | 0.963 | 0.962 | 0.1 | 99 | 0.00 |
| 50 P Toluene | 1.589 | 1.697 | -6.8 | 111 | 0.00 |

Evaluate Continuing Calibration Report

Data File: C:\msdchem\1\DATA\180828\53581a.D

DataAcq Meth:8260RUN.M

Acq On : 28 Aug 2018 1:12 pm

Operator: Bill Brew

Sample : 50ppb mega CC

Inst : Instrument #1

Misc :

ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 28 13:28:13 2018

Quant Method : C:\msdchem\1\METHODS\180824.M

Quant Title : 8260/624 Analysis

QLast Update : Fri Aug 24 17:57:02 2018

Response via : Initial Calibration

Integrator: RTE

8/28/18 BB

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min

Max. RRF Dev : 20% Max. Rel. Area : 200%

| | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|-------|---------------------------|-------|--------|-------|-------|----------|
| 1 I | Fluorobenzene | 1.000 | 1.000 | 0.0 | 94 | 0.00 |
| 2 P | Dichlorodifluoromethane | 0.311 | 0.283 | 9.0 | 91 | 0.00 |
| 3 P | Chloromethane | 0.449 | 0.424 | 5.6 | 99 | 0.00 |
| 4 P | Vinyl chloride | 0.413 | 0.413 | 0.0 | 103 | 0.00 |
| 5 P | Bromomethane | 0.303 | 0.284 | 6.3 | 101 | 0.00 |
| 6 P | Chloroethane | 0.270 | 0.256 | 5.2 | 101 | 0.00 |
| 7 P | Trichlorofluoromethane | 0.550 | 0.533 | 3.1 | 97 | 0.00 |
| 8 | Ethyl ether | 0.334 | 0.291 | 12.9 | 87 | 0.00 |
| 9 P | Freon 113 | 0.331 | 0.335 | -1.2 | 103 | 0.00 |
| 10 P | 1,1-Dichloroethene | 0.540 | 0.551 | -2.0 | 105 | 0.00 |
| 11 P | Acetone | 0.276 | 0.209 | 24.3# | 101 | 0.00 |
| 12 | Isopropyl Alcohol | 0.000 | 0.000 | 0.0 | 0# | 0.06 |
| 13 P | Carbon disulfide | 1.042 | 1.065 | -2.2 | 100 | 0.00 |
| 14 P | Methyl acetate | 0.250 | 0.218 | 12.8 | 87 | 0.00 |
| 15 P | Methylene chloride | 0.418 | 0.381 | 8.9 | 103 | 0.00 |
| 16 | Acrylonitrile | 0.134 | 0.129 | 3.7 | 101 | 0.00 |
| 17 | tert-Butyl Alcohol | 0.042 | 0.038 | 9.5 | 97 | 0.00 |
| 18 P | Methyl tert-butyl Ether | 0.990 | 0.953 | 3.7 | 107 | 0.00 |
| 19 P | trans-1,2-Dichloroethene | 0.521 | 0.551 | -5.8 | 114 | 0.00 |
| 20 P | 1,1-Dichloroethane | 0.626 | 0.679 | -8.5 | 115 | 0.00 |
| 21 | Vinyl acetate | 0.678 | 0.692 | -2.1 | 91 | 0.00 |
| 22 | 2,2-Dichloropropane | 0.540 | 0.586 | -8.5 | 106 | 0.00 |
| 23 P | 2-Butanone | 0.056 | 0.060# | -7.1 | 106 | 0.00 |
| 24 P | cis-1,2-Dichloroethene | 0.418 | 0.422 | -1.0 | 99 | 0.00 |
| 25 | Bromochloromethane | 0.192 | 0.184 | 4.2 | 100 | 0.00 |
| 26 P | Chloroform | 0.671 | 0.665 | 0.9 | 99 | 0.00 |
| 27 S | Pentafluorobenzene | 0.518 | 0.536 | -3.5 | 99 | 0.00 |
| 28 | Tetrahydrofuran | 0.101 | 0.094 | 6.9 | 90 | 0.00 |
| 29 P | 1,1,1-Trichloroethane | 0.578 | 0.614 | -6.2 | 105 | 0.00 |
| 30 P | Cyclohexane | 0.650 | 0.692 | -6.5 | 99 | 0.00 |
| 31 S | 1,2-Dichloroethane-d4 | 0.259 | 0.254 | 1.9 | 93 | 0.00 |
| 32 P | Carbon Tetrachloride | 0.470 | 0.511 | -8.7 | 105 | 0.00 |
| 33 P | Benzene | 1.504 | 1.543 | -2.6 | 101 | 0.00 |
| 34 P | 1,2-Dichloroethane | 0.511 | 0.481 | 5.9 | 95 | 0.00 |
| 35 P | Trichloroethene | 0.378 | 0.404 | -6.9 | 106 | 0.00 |
| 36 | tert-Butyl Acetate | 0.000 | 0.030 | 0.0 | 0# | 0.10 |
| 37 P | Methylcyclohexane | 0.579 | 0.691 | -19.3 | 105 | 0.00 |
| 38 | 1,4-Dioxane | 0.005 | 0.004 | 20.0 | 80 | 0.00 |
| 39 UN | Ethyl acetate | 0.000 | 0.000 | 0.0 | 0# | 0.00 |
| 40 P | 1,2-Dichloropropane | 0.404 | 0.396 | 2.0 | 100 | 0.00 |
| 41 UN | Isobutyl alcohol | 0.000 | 0.000 | 0.0 | 0# | 0.00 |
| 42 | Dibromomethane | 0.225 | 0.210 | 6.7 | 94 | 0.00 |
| 43 P | Bromodichloromethane | 0.492 | 0.487 | 1.0 | 98 | 0.00 |
| 44 | 2-Chloroethyl vinyl Ether | 0.138 | 0.134 | 2.9 | 85 | 0.00 |
| 45 UN | Isopropyl acetate | 0.000 | 0.000 | 0.0 | 0# | 0.00 |
| 46 | 1,1-Dichloropropene | 0.486 | 0.526 | -8.2 | 105 | 0.00 |
| 47 P | cis-1,3-Dichloropropene | 0.579 | 0.607 | -4.8 | 99 | 0.00 |
| 48 P | 4-Methyl-2-pentanone | 0.123 | 0.132 | -7.3 | 91 | 0.00 |
| 49 S | Toluene-D8 | 0.963 | 0.985 | -2.3 | 95 | 0.00 |
| 50 P | Toluene | 1.589 | 1.662 | -4.6 | 103 | 0.00 |

RF 40.05

Evaluate Continuing Calibration Report

Data File: C:\msdchem\1\DATA\180829\x53624.D

DataAcq Meth: 8260RUN.M

Acq On : 29 Aug 2018 2:57 pm

Sample : 50ppb mega Cal

Disc :

LS Vial : 7 Sample Multiplier: 1

Operator: Bill Brew

Inst : Instrument #2

Quant Time: Aug 30 10:26:02 2018

Quant Method : C:\msdchem\1\METHODS\180829.M

Quant Title : 8260/624 Analysis

Last Update : Wed Aug 29 17:17:59 2018

Response via : Initial Calibration

Integrator: RTE

8/30/18 AB

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

| | Compound | AvgRF | CCRF | %Dev | Area% | Dev (min) |
|----|---------------------------|-------|--------|-------|-------|-----------|
| I | Fluorobenzene | 1.000 | 1.000 | 0.0 | 100 | 0.00 |
| P | Dichlorodifluoromethane | 0.355 | 0.327 | 7.9 | 100 | 0.00 |
| P | Chloromethane | 0.507 | 0.466 | 8.1 | 100 | 0.00 |
| P | Vinyl chloride | 0.450 | 0.437 | 2.9 | 100 | 0.00 |
| P | Bromomethane | 0.343 | 0.297 | 13.4 | 100 | 0.00 |
| P | Chloroethane | 0.282 | 0.257 | 8.9 | 100 | 0.00 |
| P | Trichlorofluoromethane | 0.595 | 0.562 | 5.5 | 100 | 0.00 |
| P | Ethyl ether | 0.343 | 0.328 | 4.4 | 100 | 0.00 |
| P | Freon 113 | 0.356 | 0.343 | 3.7 | 100 | 0.00 |
| P | 1,1-Dichloroethene | 0.596 | 0.556 | 6.7 | 100 | 0.00 |
| P | Acetone | 0.257 | 0.184 | 28.4# | 100 | 0.00 |
| P | Isopropyl Alcohol | 0.000 | 0.000 | 0.0 | 0# | 0.07 |
| P | Carbon disulfide | 1.109 | 1.095 | 1.3 | 100 | 0.00 |
| P | Methyl acetate | 0.289 | 0.251 | 13.1 | 100 | 0.00 |
| P | Methylene chloride | 0.455 | 0.395 | 13.2 | 100 | 0.00 |
| P | Acrylonitrile | 0.154 | 0.136 | 11.7 | 100 | 0.00 |
| P | tert-Butyl Alcohol | 0.043 | 0.038 | 11.6 | 100 | 0.00 |
| P | Methyl tert-butyl Ether | 1.087 | 1.007 | 7.4 | 100 | 0.00 |
| P | trans-1,2-Dichloroethene | 0.600 | 0.551 | 8.2 | 100 | 0.00 |
| P | 1,1-Dichloroethane | 0.776 | 0.721 | 7.1 | 100 | 0.00 |
| P | Vinyl acetate | 0.815 | 0.805 | 1.2 | 100 | 0.00 |
| P | 2,2-Dichloropropane | 0.581 | 0.564 | 2.9 | 100 | 0.00 |
| P | 2-Butanone | 0.060 | 0.053# | 11.7 | 100 | 0.00 |
| P | cis-1,2-Dichloroethene | 0.452 | 0.432 | 4.4 | 100 | 0.00 |
| P | Bromochloromethane | 0.210 | 0.194 | 7.6 | 100 | 0.00 |
| P | Chloroform | 0.736 | 0.700 | 4.9 | 100 | 0.00 |
| S | Pentafluorobenzene | 0.517 | 0.517 | 0.0 | 100 | 0.00 |
| P | Tetrahydrofuran | 0.108 | 0.102 | 5.6 | 100 | 0.00 |
| P | 1,1,1-Trichloroethane | 0.624 | 0.620 | 0.6 | 100 | 0.00 |
| P | Cyclohexane | 0.719 | 0.726 | -1.0 | 100 | 0.00 |
| S | 1,2-Dichloroethane-d4 | 0.271 | 0.265 | 2.2 | 100 | 0.00 |
| P | Carbon Tetrachloride | 0.518 | 0.510 | 1.5 | 100 | 0.00 |
| P | Benzene | 1.634 | 1.536 | 6.0 | 100 | 0.00 |
| P | 1,2-Dichloroethane | 0.580 | 0.538 | 7.2 | 100 | 0.00 |
| P | Trichloroethene | 0.410 | 0.402 | 2.0 | 100 | 0.00 |
| P | tert-Butyl Acetate | 0.000 | 0.027 | 0.0 | 0# | 0.10 |
| P | Methylcyclohexane | 0.655 | 0.664 | -1.4 | 100 | 0.00 |
| UN | 1,4-Dioxane | 0.005 | 0.004 | 20.0 | 106 | 0.00 |
| UN | Ethyl acetate | 0.000 | 0.000 | 0.0 | 0# | 0.00 |
| P | 1,2-Dichloropropane | 0.438 | 0.407 | 7.1 | 100 | 0.00 |
| UN | Isobutyl alcohol | 0.000 | 0.000 | 0.0 | 0# | 0.00 |
| P | Dibromomethane | 0.236 | 0.226 | 4.2 | 100 | 0.00 |
| P | Bromodichloromethane | 0.536 | 0.520 | 3.0 | 100 | 0.00 |
| UN | 2-Chloroethyl vinyl Ether | 0.170 | 0.170 | 0.0 | 100 | 0.00 |
| UN | Isopropyl acetate | 0.000 | 0.000 | 0.0 | 0# | 0.00 |
| P | 1,1-Dichloropropene | 0.548 | 0.518 | 5.5 | 100 | 0.00 |
| P | cis-1,3-Dichloropropene | 0.618 | 0.631 | -2.1 | 100 | 0.00 |
| P | 4-Methyl-2-pentanone | 0.146 | 0.143 | 2.1 | 100 | 0.00 |
| S | Toluene-D8 | 0.967 | 0.975 | -0.8 | 100 | 0.00 |
| P | Toluene | 1.731 | 1.653 | 4.5 | 100 | 0.00 |

RF < 0.005

329.M Thu Aug 30 10:26:17 2018 73VOAV2

Page: 1



PARADIGM
ENVIRONMENTAL SERVICES, INC.

Method Blank Report

Client: BE3
Project Reference: 31 + 150 Tonawanda St
Lab Project ID: 183775
SDG #: 3775-01
Matrix: Soil

Volatile Tentatively Identified Compounds

| <u>Analyte</u> | | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|----------------------|----------------------------|---------------|--------------|------------------|----------------------|
| Unknown | RT: 13.42 | 10.3 | ug/Kg | | 8/30/2018 |
| Method Reference(s): | EPA 8260C EPA 5035A - L | | | | |
| QC Batch ID: | voatic180829 | | | | |
| QC Number: | 1 | | | | |

Tentatively Identified Compound results are estimated values, based on Internal Standard response factors.

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Friday, August 31, 2018

Page 326 of 1181

SEMI-VOLATILE SURROGATE RECOVERY

Lab Name: Paradigm Environmental Services
 Lab Project #: 183775
 Client Name: BE3
 Client Project Name: 31 + 150 Tonawanda St
 Client Project #: N/A
 SDG No.: 3775-01

Matrix: Soil
 QC Batch: QC180822ABNS

Instrument ID: Instrument1
 GC Column: DB-5 ID (mm): 0.25 Detector: MSD

| LAB SAMPLE NO. | CLIENT SAMPLE ID | 2FP (%Recovery) | Pd5 (%Recovery) | NBd5 (%Recovery) | Total Out |
|-------------------|---------------------|--------------------|--------------------|---------------------|--------------|
| 1 Blk 1 | N/A | 54.6 | 57.8 | 55.7 | 0 |
| 2 LCS 1 | N/A | 66.1 | 67.2 | 63.7 | 0 |
| 3 183775-01 | BH-6 (4-6) | 31.1 * | 34.3 * | 32.6 * | 3 |
| 4 183775-02 | BH-2 (19-20) | 66.2 | 70.4 | 63.6 | 0 |
| 5 183775-03 | BH-1 (0-3) | 49.8 | 53.1 | 49.7 | 0 |
| 6 183775-04 | BH-2 (13.5-15) | 30.2 * | 32.3 * | 21.4 * | 3 |
| 7 183775-05 | BH-3S (12-13.5) | 36.9 * | 38.7 * | 32.6 * | 3 |
| 8 183775-06 | BH-5 (4-6) | 33.1 * | 35.2 * | 38.9 | 2 |
| 9 183775-07 | BH-4 (11.5-12) | 40.4 | 42.7 | 36.7 | 0 |
| 10 183775-08 | BH-4 (0-1) | 48.0 | 50.7 | 44.2 | 0 |
| 11 183775-09 | BH-5 (0-2) | 59.8 | 65.1 | 57.9 | 0 |
| 12 183775-10 | BH-6 (0-2) | 54.4 | 57.7 | 55.2 | 0 |
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QC LIMITS %
 2FP = 2-Fluorophenol (39.4 - 78.1)
 Pd5 = Phenol-d5 (40.6 - 79.3)
 NBd5 = Nitrobenzene-d5 (36.1 - 74.4)

* Values outside of current required QC limits
 D Surrogate diluted out

2
SEMI-VOLATILE SURROGATE RECOVERY

Lab Name: Paradigm Environmental Services
 Lab Project #: 183775
 Client Name: BE3
 Client Project Name: 31 + 150 Tonawanda St
 Client Project #: N/A
 SDG No.: 3775-01

Matrix: Soil
 QC Batch: QC180822ABNS

Instrument ID: Instrument1
 GC Column: DB-5 ID (mm): 0.25 Detector: MSD

| LAB SAMPLE NO. | CLIENT SAMPLE ID | 2FBP (%Recovery) | 246TBP (%Recovery) | TPd14 (%Recovery) | Total Out |
|-------------------|---------------------|---------------------|-----------------------|----------------------|--------------|
| 1 Blk 1 | N/A | 58.4 | 47.8 | 68.7 | 0 |
| 2 LCS 1 | N/A | 66.6 | 70.9 | 78.4 | 0 |
| 3 183775-01 | BH-6 (4-6) | 33.6 * | 28.6 * | 33.3 * | 3 |
| 4 183775-02 | BH-2 (19-20) | 64.0 | 65.6 | 71.9 | 0 |
| 5 183775-03 | BH-1 (0-3) | 48.4 | 39.4 | 46.7 | 0 |
| 6 183775-04 | BH-2 (13.5-15) | 30.2 * | 26.8 * | 27.2 * | 3 |
| 7 183775-05 | BH-3S (12-13.5) | 37.4 | 34.7 * | 37.1 * | 2 |
| 8 183775-06 | BH-5 (4-6) | 33.7 * | 34.7 * | 34.5 * | 3 |
| 9 183775-07 | BH-4 (11.5-12) | 37.4 | 36.3 | 37.7 * | 1 |
| 10 183775-08 | BH-4 (0-1) | 50.1 | 46.3 | 50.8 | 0 |
| 11 183775-09 | BH-5 (0-2) | 59.4 | 47.6 | 58.0 | 0 |
| 12 183775-10 | BH-6 (0-2) | 55.5 | 52.8 | 58.1 | 0 |
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| 25 | | | | | |

2FBP = 2-Fluorobiphenyl
 246TBP = 2,4,6-Tribromophenol
 TPd14 = Terphenyl-d14

QC LIMITS %
 (35.7 - 85.7)
 (35.7 - 94.4)
 (46.6 - 99.9)

* Values outside of current required QC limits
 D Surrogate diluted out

Response Factor Report Instrument #1

Method Path : C:\msdchem\1\methods\

Method File : ABN180817.M

| | | | | | | | | | | | |
|--------|-------------------|----------------|-------|-------|-------|-------|-------|-------|-------|--------|--------|
| 38) P | Caprolactam | 0.122 | 0.126 | 0.125 | 0.128 | 0.130 | 0.131 | 0.128 | 0.128 | 0.127 | 2.30 |
| 39) P | 1,2,4,5-Tetrac... | 0.338 | 0.346 | 0.344 | 0.354 | 0.364 | 0.368 | 0.370 | 0.379 | 0.358 | 4.06 |
| 40) P | Biphenyl | 0.863 | 0.880 | 0.862 | 0.874 | 0.904 | 0.914 | 0.919 | 0.935 | 0.894 | 3.07 |
| 41) I | Acenaphthene-d10 | -----ISTD----- | | | | | | | | | |
| 42) P | 2-Chloronaphth... | 0.377 | 0.403 | 0.393 | 0.399 | 0.411 | 0.416 | 0.424 | 0.414 | 0.405# | 3.68 |
| 43) PM | Acenaphthene | 1.192 | 1.266 | 1.225 | 1.267 | 1.297 | 1.288 | 1.314 | 1.270 | 1.265 | 3.12 |
| 44) P | Acenaphthylene | 1.762 | 1.875 | 1.830 | 1.853 | 1.926 | 1.849 | 1.925 | 1.864 | 1.861 | 2.84 |
| 45) P | 4-Chlorophenyl... | 0.715 | 0.747 | 0.727 | 0.738 | 0.774 | 0.772 | 0.801 | 0.783 | 0.757 | 3.93 |
| 46) P | Dibenzofuran | 1.685 | 1.772 | 1.744 | 1.736 | 1.812 | 1.814 | 1.840 | 1.828 | 1.779 | 3.03 |
| 47) P | Diethyl phthalate | 1.469 | 1.534 | 1.510 | 1.544 | 1.592 | 1.583 | 1.615 | 1.563 | 1.551 | 3.05 |
| 48) P | Dimethyl phtha... | 1.433 | 1.539 | 1.484 | 1.500 | 1.548 | 1.525 | 1.560 | 1.501 | 1.511 | 2.71 |
| 49) PM | 2,4-Dinitrophenol | | 0.054 | 0.084 | 0.136 | 0.171 | 0.188 | 0.215 | 0.222 | 0.153 | 42.20* |
| 50) PM | 2,4-Dinitrotol... | 0.359 | 0.401 | 0.411 | 0.461 | 0.482 | 0.480 | 0.496 | 0.486 | 0.447 | 11.23 |
| 51) P | 2,6-Dinitrotol... | 0.289 | 0.304 | 0.316 | 0.332 | 0.348 | 0.348 | 0.359 | 0.348 | 0.331 | 7.53 |
| 52) P | Fluorene | 1.304 | 1.408 | 1.391 | 1.448 | 1.480 | 1.507 | 1.519 | 1.486 | 1.443 | 4.99 |
| 53) S | 2-Fluorobiphenyl | 1.394 | 1.490 | 1.438 | 1.447 | 1.524 | 1.514 | 1.552 | 1.513 | 1.484 | 3.55 |
| 54) P | Hexachlorocycl... | 0.223 | 0.269 | 0.336 | 0.392 | 0.430 | 0.353 | 0.415 | 0.355 | 0.347 | 20.51* |
| 55) P | 2-Nitroaniline | 0.352 | 0.364 | 0.375 | 0.412 | 0.429 | 0.429 | 0.440 | 0.432 | 0.404 | 8.61 |
| 56) P | 3-Nitroaniline | 0.312 | 0.341 | 0.333 | 0.353 | 0.370 | 0.366 | 0.373 | 0.365 | 0.352 | 6.10 |
| 57) P | 4-Nitroaniline | 0.307 | 0.331 | 0.341 | 0.360 | 0.382 | 0.377 | 0.385 | 0.372 | 0.357 | 7.80 |
| 58) PM | 4-Nitrophenol | 0.263 | 0.301 | 0.313 | 0.352 | 0.371 | 0.360 | 0.365 | 0.345 | 0.334 | 11.30 |
| 59) S | 2,4,6-Tribromo... | 0.184 | 0.203 | 0.205 | 0.221 | 0.236 | 0.241 | 0.258 | 0.263 | 0.226 | 12.32 |
| 60) PM | 2,4,6-Trichlor... | 0.374 | 0.390 | 0.397 | 0.400 | 0.413 | 0.401 | 0.413 | 0.413 | 0.400 | 3.40 |
| 61) P | 2,4,5-Trichlor... | 0.380 | 0.421 | 0.417 | 0.431 | 0.431 | 0.430 | 0.447 | 0.442 | 0.425 | 4.85 |
| 62) P | 2,3,4,6-Tetrac... | 0.334 | 0.362 | 0.374 | 0.374 | 0.387 | 0.371 | 0.391 | 0.396 | 0.374 | 5.22 |
| 63) P | Atrazine | 0.405 | 0.451 | 0.423 | | | | | | 0.426 | 5.35** |
| 64) I | Phenanthrene-d10 | -----ISTD----- | | | | | | | | | |
| 65) P | 4-Bromophenyl ... | 0.218 | 0.221 | 0.223 | 0.228 | 0.239 | 0.241 | 0.245 | 0.246 | 0.233 | 4.78 |
| 66) P | Di-n-butyl pht... | 1.199 | 1.264 | 1.266 | 1.324 | 1.341 | 1.353 | 1.370 | 1.338 | 1.307 | 4.44 |
| 67) PM | 4,6-Dinitro-2-... | 0.032 | 0.054 | 0.081 | 0.113 | 0.134 | 0.146 | 0.153 | 0.160 | 0.109 | 44.26* |
| 68) P | Fluoranthene | 1.140 | 1.189 | 1.192 | 1.240 | 1.261 | 1.281 | 1.290 | 1.274 | 1.233 | 4.37 |
| 69) P | Hexachlorobenzene | 0.216 | 0.220 | 0.226 | 0.231 | 0.243 | 0.243 | 0.248 | 0.250 | 0.235 | 5.58 |
| 70) P | N-Nitrosodiphe... | 0.593 | 0.612 | 0.615 | 0.632 | 0.649 | 0.652 | 0.647 | 0.634 | 0.629 | 3.30 |
| 71) PM | Pentachlorophenol | 0.094 | 0.106 | 0.117 | 0.125 | 0.128 | 0.131 | 0.137 | 0.142 | 0.123 | 13.17 |
| 72) P | Anthracene | 1.043 | 1.089 | 1.094 | 1.123 | 1.152 | 1.161 | 1.175 | 1.157 | 1.124 | 4.06 |
| 73) P | Phenanthrene | 1.034 | 1.071 | 1.076 | 1.093 | 1.119 | 1.137 | 1.123 | 1.122 | 1.097 | 3.18 |
| 74) P | Carbazole | 0.915 | 0.961 | 0.953 | 0.990 | 1.009 | 1.009 | 1.028 | 1.003 | 0.983 | 3.80 |
| 75) P | Benzo (a) anth... | 1.095 | 1.116 | 1.129 | 1.192 | 1.227 | 1.253 | 1.282 | 1.299 | 1.199 | 6.55 |
| 76) I | Chrysene-d12 | -----ISTD----- | | | | | | | | | |
| 77) P | Benzidine | 0.598 | 0.637 | 0.642 | 0.591 | 0.543 | | | | 0.602 | 6.68 |
| 78) P | Bis (2-ethylhe... | 0.774 | 0.801 | 0.795 | 0.814 | 0.827 | 0.805 | 0.812 | 0.779 | 0.801 | 2.20 |
| 79) P | Butylbenzylpht... | 0.575 | 0.601 | 0.595 | 0.612 | 0.604 | 0.590 | 0.590 | 0.569 | 0.592 | 2.48 |
| 80) P | Chrysene | 1.100 | 1.135 | 1.117 | 1.124 | 1.143 | 1.130 | 1.160 | 1.139 | 1.131 | 1.58 |
| 81) P | 3,3'-Dichlorob... | 0.429 | 0.447 | 0.449 | 0.475 | 0.486 | 0.480 | 0.500 | 0.481 | 0.468 | 5.15 |
| 82) PM | Pyrene | 1.244 | 1.303 | 1.255 | 1.262 | 1.255 | 1.229 | 1.235 | 1.184 | 1.246 | 2.71 |

> 3pt. ICAK

Response Factor Report Instrument #1

Method Path : C:\msdchem\1\methods\

Method File : ABN180824.M

| | | | | | | | | | | | |
|--------|-------------------|----------------|-------|-------|-------|-------|-------|-------|-------|--------|-------------------|
| 38) P | Caprolactam | 0.153 | 0.150 | 0.146 | 0.150 | 0.153 | 0.151 | 0.151 | 0.147 | 0.150 | 1.57 |
| 39) P | 1,2,4,5-Tetrac... | 0.319 | 0.333 | 0.326 | 0.329 | 0.339 | 0.347 | 0.354 | 0.347 | 0.337 | 3.63 |
| 40) P | Biphenyl | 0.820 | 0.869 | 0.844 | 0.848 | 0.887 | 0.898 | 0.908 | 0.880 | 0.869 | 3.44 |
| 41) I | Acenaphthene-d10 | -----ISTD----- | | | | | | | | | |
| 42) P | 2-Chloronaphth... | 0.386 | 0.412 | 0.397 | 0.411 | 0.413 | 0.420 | 0.410 | 0.404 | 0.407# | 2.64 |
| 43) PM | Acenaphthene | 1.258 | 1.288 | 1.236 | 1.273 | 1.284 | 1.288 | 1.294 | 1.262 | 1.273 | 1.56 |
| 44) P | Acenaphthylene | 1.822 | 1.868 | 1.808 | 1.893 | 1.898 | 1.899 | 1.902 | 1.846 | 1.867 | 2.02 |
| 45) P | 4-Chlorophenyl... | 0.709 | 0.719 | 0.705 | 0.732 | 0.753 | 0.753 | 0.766 | 0.759 | 0.737 | 3.25 |
| 46) P | Dibenzofuran | 1.662 | 1.744 | 1.709 | 1.766 | 1.782 | 1.780 | 1.792 | 1.756 | 1.749 | 2.51 |
| 47) P | Diethyl phthalate | 1.427 | 1.457 | 1.428 | 1.491 | 1.508 | 1.501 | 1.496 | 1.440 | 1.469 | 2.32 |
| 48) P | Dimethyl phtha... | 1.441 | 1.468 | 1.439 | 1.479 | 1.511 | 1.479 | 1.497 | 1.453 | 1.471 | 1.74 |
| 49) PM | 2,4-Dinitrophenol | | 0.046 | 0.097 | 0.163 | 0.200 | 0.214 | 0.215 | 0.226 | 0.166 | 41.60 * |
| 50) PM | 2,4-Dinitrotol... | 0.392 | 0.435 | 0.443 | 0.475 | 0.480 | 0.479 | 0.486 | 0.475 | 0.458 | 7.08 |
| 51) P | 2,6-Dinitrotol... | 0.306 | 0.336 | 0.325 | 0.344 | 0.347 | 0.352 | 0.356 | 0.344 | 0.339 | 4.82 |
| 52) P | Fluorene | 1.322 | 1.387 | 1.369 | 1.431 | 1.471 | 1.454 | 1.457 | 1.425 | 1.414 | 3.62 |
| 53) S | 2-Fluorobiphenyl | 1.427 | 1.485 | 1.411 | 1.474 | 1.494 | 1.492 | 1.513 | 1.484 | 1.473 | 2.40 |
| 54) P | Hexachlorocycl... | | 0.173 | 0.237 | 0.307 | 0.337 | 0.283 | 0.336 | 0.296 | 0.281 | 20.93 * |
| 55) P | 2-Nitroaniline | 0.396 | 0.438 | 0.429 | 0.453 | 0.456 | 0.461 | 0.467 | 0.454 | 0.444 | 5.17 |
| 56) P | 3-Nitroaniline | 0.354 | 0.370 | 0.367 | 0.381 | 0.387 | 0.387 | 0.391 | 0.372 | 0.376 | 3.39 |
| 57) P | 4-Nitroaniline | 0.363 | 0.363 | 0.371 | 0.395 | 0.397 | 0.396 | 0.398 | 0.379 | 0.383 | 4.10 |
| 58) PM | 4-Nitrophenol | 0.264 | 0.294 | 0.295 | 0.310 | 0.312 | 0.312 | 0.307 | 0.329 | 0.303 | 6.30 |
| 59) S | 2,4,6-Tribromo... | 0.171 | 0.191 | 0.192 | 0.207 | 0.219 | 0.225 | 0.233 | 0.229 | 0.208 | 10.55 |
| 60) PM | 2,4,6-Trichlor... | 0.368 | 0.388 | 0.382 | 0.391 | 0.390 | 0.381 | 0.400 | 0.403 | 0.388 | 2.88 |
| 61) P | 2,4,5-Trichlor... | 0.377 | 0.418 | 0.406 | 0.418 | 0.422 | 0.428 | 0.444 | 0.445 | 0.420 | 5.13 |
| 62) P | 2,3,4,6-Tetrac... | 0.288 | 0.323 | 0.336 | 0.348 | 0.341 | 0.353 | 0.361 | 0.365 | 0.339 | 7.28 |
| 63) P | Atrazine | 0.397 | 0.425 | 0.403 | | | | | | 0.408 | 3.65 ** > 3rd ICA |
| 64) I | Phenanthrene-d10 | -----ISTD----- | | | | | | | | | |
| 65) P | 4-Bromophenyl ... | 0.206 | 0.217 | 0.212 | 0.221 | 0.230 | 0.235 | 0.234 | 0.227 | 0.223 | 4.74 |
| 66) P | Di-n-butyl pht... | 1.148 | 1.237 | 1.237 | 1.278 | 1.310 | 1.304 | 1.309 | 1.228 | 1.256 | 4.41 |
| 67) PM | 4,6-Dinitro-2-... | 0.056 | 0.090 | 0.111 | 0.137 | 0.152 | 0.161 | 0.165 | 0.161 | 0.129 | 30.80 * |
| 68) P | Fluoranthene | 1.121 | 1.178 | 1.170 | 1.221 | 1.255 | 1.250 | 1.270 | 1.229 | 1.212 | 4.21 |
| 69) P | Hexachlorobenzene | 0.203 | 0.221 | 0.207 | 0.224 | 0.227 | 0.230 | 0.235 | 0.230 | 0.222 | 5.15 |
| 70) P | N-Nitrosodiphe... | 0.596 | 0.634 | 0.616 | 0.635 | 0.649 | 0.647 | 0.648 | 0.635 | 0.632 | 2.90 |
| 71) PM | Pentachlorophenol | 0.022 | 0.047 | 0.068 | 0.086 | 0.094 | 0.100 | 0.108 | 0.112 | 0.080 | 39.66 * |
| 72) P | Anthracene | 1.064 | 1.109 | 1.084 | 1.130 | 1.142 | 1.165 | 1.162 | 1.129 | 1.123 | 3.19 |
| 73) P | Phenanthrene | 1.060 | 1.100 | 1.071 | 1.099 | 1.116 | 1.115 | 1.118 | 1.066 | 1.093 | 2.19 |
| 74) P | Carbazole | 0.941 | 0.994 | 0.958 | 0.996 | 1.021 | 1.013 | 1.020 | 0.987 | 0.991 | 2.92 |
| 75) P | Benzo (a) anth... | 1.056 | 1.112 | 1.097 | 1.140 | 1.190 | 1.227 | 1.244 | 1.213 | 1.160 | 5.90 |
| 76) I | Chrysene-d12 | -----ISTD----- | | | | | | | | | |
| 77) P | Benzidine | 0.595 | 0.659 | 0.656 | 0.610 | 0.514 | | | | 0.607 | 9.71 |
| 78) P | Bis (2-ethylhe... | 0.768 | 0.818 | 0.798 | 0.827 | 0.813 | 0.800 | 0.805 | 0.774 | 0.800 | 2.55 |
| 79) P | Butylbenzylpht... | 0.570 | 0.601 | 0.586 | 0.610 | 0.605 | 0.582 | 0.584 | 0.566 | 0.588 | 2.72 |
| 80) P | Chrysene | 1.101 | 1.155 | 1.120 | 1.147 | 1.161 | 1.143 | 1.157 | 1.134 | 1.140 | 1.81 |
| 81) P | 3,3'-Dichlorob... | 0.428 | 0.476 | 0.465 | 0.490 | 0.494 | 0.493 | 0.497 | 0.485 | 0.479 | 4.82 |
| 82) PM | Pyrene | 1.242 | 1.318 | 1.273 | 1.282 | 1.266 | 1.233 | 1.236 | 1.207 | 1.257 | 2.76 |

Evaluate Continuing Calibration Report

Data File: C:\msdchem\1\data\180822\B30674.D

Acq On : 23 Aug 2018 1:08 am

Sample : 8270 CCV 50ppm

Misc :

Operator : E. Farman

ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 23 08:53:50 2018

Quant Method : C:\msdchem\1\methods\ABN180817D.M

Quant Title :

QLast Update : Thu Aug 23 08:48:46 2018

Response via : Initial Calibration

InstName : Instrument #1

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min

Max. RRF Dev : 20% Max. Rel. Area : 200%

| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|-------|-----------------------------|---------|---------|-------|-------|----------|
| 46 P | Dibenzofuran | 50.000 | 48.200 | 3.6 | 154 | -0.01 |
| 47 P | Diethyl phthalate | 50.000 | 48.489 | 3.0 | 152 | 0.00 |
| 48 P | Dimethyl phthalate | 50.000 | 47.661 | 4.7 | 150 | 0.00 |
| 49 PM | 2,4-Dinitrophenol | 50.000 | 48.498 | 3.0 | 179 | -0.01 |
| 50 PM | 2,4-Dinitrotoluene | 50.000 | 53.750 | -7.5 | 163 | 0.00 |
| 51 P | 2,6-Dinitrotoluene | 50.000 | 51.052 | -2.1 | 158 | 0.00 |
| 52 P | Fluorene | 50.000 | 50.215 | -0.4 | 156 | -0.01 |
| 53 S | 2-Fluorobiphenyl | 50.000 | 48.431 | 3.1 | 155 | -0.01 |
| 54 P | Hexachlorocyclopentadiene | 50.000 | 36.138 | 27.7# | 119 | 0.00 |
| 55 P | 2-Nitroaniline | 50.000 | 54.055 | -8.1 | 165 | 0.00 |
| 56 P | 3-Nitroaniline | 50.000 | 53.066 | -6.1 | 165 | 0.00 |
| 57 P | 4-Nitroaniline | 50.000 | 54.250 | -8.5 | 168 | -0.01 |
| 58 PM | 4-Nitrophenol | 50.000 | 48.291 | 3.4 | 143 | -0.01 |
| 59 S | 2,4,6-Tribromophenol | 100.000 | 87.438 | 12.6 | 140 | -0.01 |
| 60 PM | 2,4,6-Trichlorophenol | 50.000 | 48.228 | 3.5 | 151 | 0.00 |
| 61 P | 2,4,5-Trichlorophenol | 50.000 | 48.260 | 3.5 | 148 | -0.01 |
| 62 P | 2,3,4,6-Tetrachlorophenol | 50.000 | 46.472 | 7.1 | 145 | -0.01 |
| 63 P | Atrazine | 50.000 | 14.249 | 71.5# | 0 | -0.01 |
| 64 I | Phenanthrene-d10 | 40.000 | 40.000 | 0.0 | 143 | -0.01 |
| 65 P | 4-Bromophenyl phenyl ether | 50.000 | 48.135 | 3.7 | 141 | 0.00 |
| 66 P | Di-n-butyl phthalate | 50.000 | 48.880 | 2.2 | 138 | 0.00 |
| 67 PM | 4,6-Dinitro-2-methylphenol | 50.000 | 59.425 | -18.8 | 196 | -0.01 |
| 68 P | Fluoranthene | 50.000 | 48.996 | 2.0 | 140 | -0.01 |
| 69 P | Hexachlorobenzene | 50.000 | 48.632 | 2.7 | 142 | 0.00 |
| 70 P | N-Nitrosodiphenylamine | 50.000 | 55.650 | -11.3 | 159 | -0.01 |
| 71 PM | Pentachlorophenol | 50.000 | 37.185 | 25.6# | 105 | -0.01 |
| 72 P | Anthracene | 50.000 | 49.756 | 0.5 | 143 | -0.01 |
| 73 P | Phenanthrene | 50.000 | 49.354 | 1.3 | 142 | -0.01 |
| 74 P | Carbazole | 50.000 | 50.450 | -0.9 | 144 | -0.01 |
| 75 P | Benzo (a) anthracene | 50.000 | 47.764 | 4.5 | 138 | -0.01 |
| 76 I | Chrysene-d12 | 40.000 | 40.000 | 0.0 | 140 | -0.01 |
| 77 | Benzidine | 100.000 | 84.192 | 15.8 | 120 | -0.02 |
| 78 P | Bis (2-ethylhexyl) phthalat | 50.000 | 50.878 | -1.8 | 140 | -0.01 |
| 79 P | Butylbenzylphthalate | 50.000 | 50.719 | -1.4 | 137 | -0.01 |
| 80 P | Chrysene | 50.000 | 49.511 | 1.0 | 140 | -0.01 |
| 81 P | 3,3'-Dichlorobenzidine | 100.000 | 102.165 | -2.2 | 141 | -0.01 |
| 82 PM | Pyrene | 50.000 | 49.538 | 0.9 | 137 | 0.00 |
| 83 S | Terphenyl-d14 | 50.000 | 49.932 | 0.1 | 140 | 0.00 |
| 84 I | Perylene-d12 | 40.000 | 40.000 | 0.0 | 138 | -0.01 |
| 85 P | Benzo (b) fluoranthene | 50.000 | 47.736 | 4.5 | 141 | -0.01 |
| 86 P | Benzo (k) fluoranthene | 50.000 | 51.423 | -2.8 | 136 | -0.01 |
| 87 P | Benzo (g,h,i) perylene | 50.000 | 50.767 | -1.5 | 143 | -0.02 |
| 88 P | Benzo (a) pyrene | 50.000 | 49.976 | 0.0 | 142 | -0.01 |
| 89 P | Dibenz (a,h) anthracene | 50.000 | 49.776 | 0.4 | 141 | -0.02 |

↓ See RL std,
OK ND < 40

↓ See RL std,
OK ND

↓ See RL std,
OK ND < 40



PARADIGM
ENVIRONMENTAL SERVICES, INC.

Method Blank Report

Client: BE3
Project Reference: 31 + 150 Tonawanda St
Lab Project ID: 183775
SDG #: 3775-01
Matrix: Soil

Semi-Volatile Tentatively Identified Compounds

| <u>Analyte</u> | | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|-----------------------------|---------------|---------------|--------------|------------------|----------------------|
| Unknown | RT - 4.59 | 2410 | ug/Kg | | 8/24/2018 |
| Method Reference(s): | EPA 8270D | | | | |
| | EPA 3546 | | | | |
| Preparation Date: | 8/22/2018 | | | | |
| QC Batch ID: | QC180822STICS | | | | |
| QC Number: | 1 | | | | |

Tentatively Identified Compound results are estimated values, based on Internal Standard response factors.

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Tuesday, August 28, 2018

PESTICIDE SURROGATE RECOVERY

Lab Name: Paradigm Environmental Services
 Lab Project #: 183775
 Client Name: BE3
 Client Project Name: 31 + 150 Tonawanda St
 Client Project #: N/A
 SDG No.: 3775-01

Matrix: Soil
 QC Batch: QC180821PESTS

Instrument ID: Dual ECD 1
 GC Column 1: Rtx-CLPesticides1 ID (mm): 0.32 Detector: ECD1

| | LAB SAMPLE NO. | CLIENT SAMPLE ID | TCmX (%Recovery) | DCBP (%Recovery) | Total Out |
|----|-------------------|---------------------|---------------------|---------------------|--------------|
| 1 | Blk 1 | N/A | 68.5 | 109 | 0 |
| 2 | Blk 2+Cu | N/A | 61.9 | 79.1 | 0 |
| 3 | LCS 1 | N/A | 70.2 | 96.4 | 0 |
| 4 | LCS 2+Cu | N/A | 65.7 | 67.5 | 0 |
| 5 | LCS Tox1 | N/A | 43.2 | 63.1 | 0 |
| 6 | LCS Tox2+Cu | N/A | 49.9 | 59.6 | 0 |
| 7 | 183775-01 | BH-6 (4-6) | 28.3 * | 43.9 * | 2 |
| 8 | 183775-02 | BH-2 (19-20) | 50.9 | 80.8 | 0 |
| 9 | 183775-03 | BH-1 (0-3) | D | D | 0 |
| 10 | 183775-04+Cu | BH-2 (13.5-15) | 36.0 | 16.1 * | 1 |
| 11 | 183775-05+Cu | BH-3S (12-13.5) | 22.1 * | 17.5 * | 2 |
| 12 | 183775-06+Cu | BH-5 (4-6) | 40.0 | 15.1 * | 1 |
| 13 | 183775-07+Cu | BH-4 (11.5-12) | 37.7 | 17.6 * | 1 |
| 14 | 183775-08+Cu | BH-4 (0-1) | 32.1 | 45.4 * | 1 |
| 15 | 183775-09 | BH-5 (0-2) | 59.7 | 69.9 | 0 |
| 16 | 183775-10 | BH-6 (0-2) | 51.6 | 29.8 * | 1 |
| 17 | | | | | |
| 18 | | | | | |
| 19 | | | | | |
| 20 | | | | | |
| 21 | | | | | |
| 22 | | | | | |
| 23 | | | | | |
| 24 | | | | | |
| 25 | | | | | |

TCmX = Tetrachloro-m-xylene
 DCBP = Decachlorobiphenyl

QC LIMITS %
 (29 - 98.8)
 (46.2 - 125)

* Values outside of current required QC limits
 D Surrogate diluted out

Sample ID: BH-6 (4-6)
Lab Sample #: 183775-01

Date Analyzed: 8/23/2018
Time Analyzed: 19:12
Matrix: Soil

GC Column 1: Rtx-CLPesticides1
GC Column 2: Rtx-CLPesticides2

ID (mm): 0.32
ID (mm): 0.32

Detector 1: ECD1
Detector 2: ECD2

[illegible]

%D = \leq 40%; Passes
* = Outside OC limits

Sample ID: BH-1 (0-3)
 Lab Sample #: 183775-03

Date Analyzed: 8/29/2018
 Time Analyzed: 11:45
 Matrix: Soil

Detector 2: ECD2

[illegible]

* = Outside QC limits

Sample ID: BH-3S (12-13.5)
Lab Sample #: 183775-05
Date Analyzed: 8/23/2018
Time Analyzed: 20:14
Matrix: Soil

Detector 2: ECD2

5

* = Outside QC limits

Sample ID: BH-5 (4-6)
Lab Sample #: 183775-06

Date Analyzed: 8/23/2018
Time Analyzed: 20:29
Matrix: Soil

ID (mm): 0.32
ID (mm): 0.32

Detector 1: ECD1
Detector 2: ECD2

[illegible]

%D = $\leq 40\%$; Passes
* = Outside QC limits

Sample ID: BH-4 (0-1)
 Lab Sample #: 183775-08

Date Analyzed: 8/23/2018
 Time Analyzed: 21:00
 Matrix: Soil

| | | | | | |
|----------------|--------------------------|----------|-------------|-------------|-------------|
| Instrument ID: | <u>Dual ECD 1</u> | | | | |
| GC Column 1: | <u>Rtx-CLPesticides1</u> | ID (mm): | <u>0.32</u> | Detector 1: | <u>ECD1</u> |
| GC Column 2: | <u>Rtx-CLPesticides2</u> | ID (mm): | <u>0.32</u> | Detector 2: | <u>ECD2</u> |

[illegible]

%D = $\leq 40\%$; Passes
* = Outside QC limits

Sample ID: BH-5 (0-2)
Lab Sample #: 183775-09

Date Analyzed: 8/23/2018
Time Analyzed: 21:16
Matrix: Soil

Detector 2: ECD2

J
JN
CRQL-U
CRQL-U
CRQL-U
JN

* = Outside QC limits

Sample ID: BH-6 (0-2)
Lab Sample #: 183775-10

Date Analyzed: 8/23/2018
Time Analyzed: 21:31
Matrix: Soil

Detector 2: ECD2

J
J
JH
CRQL-4

* = Outside QC limits

2
PCB SURROGATE RECOVERY

Lab Name: Paradigm Environmental Services
 Lab Project #: 183775
 Client Name: BE3
 Client Project Name: 31 + 150 Tonawanda St
 Client Project #: N/A
 SDG No.: 3775-01

Matrix: Soil
 QC Batch: QC180821PCBS

Instrument ID: ECD1
 GC Column: Rtx-PCB ID (mm): 0.32 Detector: uECD

| | LAB SAMPLE NO. | CLIENT SAMPLE ID | TCmX (%Recovery) | DCBP (%Recovery) | Total Out |
|----|-------------------|---------------------|---------------------|---------------------|--------------|
| 1 | Blk 2 | N/A | 31.6 | 78.5 | 0 |
| 2 | Blk 3+ACu | N/A | 32.2 | 66.4 | 0 |
| 3 | LCS 2 | N/A | 34.2 | 75.0 | 0 |
| 4 | LCS 3+ACu | N/A | 34.8 | 63.0 | 0 |
| 5 | 183775-01 | BH-6 (4-6) | 11.7 | 18.5 * | 1 |
| 6 | 183775-02 | BH-2 (19-20) | 27.7 | 55.7 | 0 |
| 7 | 183775-03+ACu | BH-1 (0-3) | 42.3 | 57.1 | 0 |
| 8 | 183775-04+ACu | BH-2 (13.5-15) | 18.2 | 23.9 | 0 |
| 9 | 183775-05+ACu | BH-3S (12-13.5) | 7.90 * | 12.5 * | 2 |
| 10 | 183775-06+ACu | BH-5 (4-6) | 11.8 | 28.5 | 0 |
| 11 | 183775-07+ACu | BH-4 (11.5-12) | 12.9 | 18.6 * | 1 |
| 12 | 183775-07MS+ACu | BH-4 (11.5-12) | 14.3 | 18.9 * | 1 |
| 13 | 183775-07MSD+ACu | BH-4 (11.5-12) | 5.07 * | 3.54 * | 2 |
| 14 | 183775-08 | BH-4 (0-1) | 18.2 | 25.7 | 0 |
| 15 | 183775-09 | BH-5 (0-2) | 33.3 | 53.8 | 0 |
| 16 | 183775-10 | BH-6 (0-2) | 32.2 | 40.8 | 0 |
| 17 | | | | | |
| 18 | | | | | |
| 19 | | | | | |
| 20 | | | | | |
| 21 | | | | | |
| 22 | | | | | |
| 23 | | | | | |
| 24 | | | | | |
| 25 | | | | | |

TCmX = Tetrachloro-m-xylene (10 - 84)
 DCBP = Decachlorobiphenyl (23.4 - 108)

* Values outside of current required QC limits
 D Surrogate diluted out



PARADIGM
ENVIRONMENTAL SERVICES, INC.

QC Report for Matrix Spike and Matrix Spike Duplicate

Client: BE3
Project Reference: 31 + 150 Tonawanda St

SDG #: 3775-01
Lab Project ID: 183775

Lab Sample ID: 183775-07
Sample Identifier: BH-4 (11.5-12)
Matrix: Soil

Date Sampled: 8/16/2018
Date Received: 8/17/2018
Date Analyzed: 8/23/2018

PCBs

| | <u>Sample</u> | <u>Result</u> | <u>MS</u> | <u>MS</u> | <u>MS %</u> | <u>MSD</u> | <u>MSD</u> | <u>MSD %</u> | <u>% Rec.</u> | <u>MS</u> | <u>MSD</u> | <u>Relative</u> | <u>RPD</u> | <u>RPD</u> |
|-----------------------------|---------------|-----------------------|--------------|---------------|-----------------|--------------|---------------|-----------------|---------------|----------------|----------------|-----------------|--------------|----------------|
| <u>Analyte</u> | <u>Result</u> | <u>Units</u> | <u>Added</u> | <u>Result</u> | <u>Recovery</u> | <u>Added</u> | <u>Result</u> | <u>Recovery</u> | <u>Limits</u> | <u>Outlier</u> | <u>Outlier</u> | <u>% Diff.</u> | <u>Limit</u> | <u>Outlier</u> |
| PCB-1016/1260 | < 0.0473 | mg/Kg | 0.247 | 0.0558 | 22.6 | 0.234 | 0.0268 | 11.5 | 16.9 - 119 | | * | 65.4 | 112 | |
| Method Reference(s): | | EPA 8082A EPA 3546 | | | | | | | | | | | | |
| Preparation Date: | | 8/21/2018 | | | | | | | | | | | | |
| | | 1 | | | | | | | | | | | | |
| QC Batch ID: | | QC180821PCBS | | | | | | | | | | | | |

Any estimated values are displayed, and derived values calculated, based on numeric result only. See primary analytical report for data flags.
This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Form 1 METALS

Client : Paradigm Environmental Services
 Project Name : 183775
 Lab ID : WG1152102-1
 Client ID : WG1152102-1BLANK
 Sample Location :
 Sample Matrix : SOIL
 Analytical Method : 1,6010D
 Lab File ID : WG1152065.pdf
 Sample Amount : 1.25g
 Digestion Method : EPA 3050B

Lab Number : L1833823
 Project Number : 183775
 Date Collected : NA
 Date Received : NA
 Date Analyzed : 08/30/18 13:11
 Dilution Factor : 1
 Analyst : PE
 Instrument ID : TRACE4
 %Solids : NA
 Date Digested : 08/30/18

| CAS NO. | Parameter | mg/kg | | | Qualifier |
|-----------|------------------|---------|-------|-------|-----------|
| | | Results | RL | MDL | |
| 7440-38-2 | Arsenic, Total | ND | 0.400 | 0.083 | U |
| 7440-39-3 | Barium, Total | ND | 0.400 | 0.070 | U |
| 7440-41-7 | Beryllium, Total | ND | 0.200 | 0.013 | U |
| 7440-43-9 | Cadmium, Total | ND | 0.400 | 0.039 | U |
| 7440-47-3 | Chromium, Total | ND | 0.400 | 0.038 | U |
| 7440-50-8 | Copper, Total | ND | 0.400 | 0.103 | U |
| 7439-92-1 | Lead, Total | ND | 2.00 | 0.107 | U |
| 7439-96-5 | Manganese, Total | 0.088 | 0.400 | 0.064 | J |
| 7440-02-0 | Nickel, Total | ND | 1.00 | 0.097 | U |
| 7782-49-2 | Selenium, Total | ND | 0.800 | 0.103 | U |
| 7440-22-4 | Silver, Total | ND | 0.400 | 0.113 | U |
| 7440-66-6 | Zinc, Total | ND | 2.00 | 0.117 | U |





QC Report for Sample Spike and Sample Duplicate

Client: BE3
Project Reference: 31 + 150 Tonawanda St

SDG #: 3775-01
Lab Project ID: 183775

Lab Sample ID: 183775-10
Sample Identifier: BH-6 (0-2)
Matrix: Soil

Date Sampled: 8/16/2018
Date Received: 8/17/2018

Mercury

| <u>Analyte</u> | <u>Sample Results</u> | <u>Result Units</u> | <u>Spike Added</u> | <u>Spike Result</u> | <u>Spike % Recovery</u> | <u>% Rec Limits</u> | <u>Spike Outliers</u> | <u>Duplicate Result</u> | <u>Relative % Difference</u> | <u>RPD Limit</u> | <u>RPD Outliers</u> | <u>Date Analyzed</u> |
|----------------------|-----------------------|---------------------|--------------------|---------------------|-------------------------|---------------------|-----------------------|-------------------------|------------------------------|------------------|---------------------|----------------------|
| Mercury | 0.133 | mg/Kg | 0.0844 | 0.175 | 49.1 | 75 - 125 | * | 0.113 | 16.8 | 20 | | 8/28/2018 |
| Method Reference(s): | | EPA 7471B | | | | | | | | | | |
| Preparation Date: | | 8/27/2018 | | | | | | | | | | |
| | | Hg180828B | | | | | | | | | | |
| QC Batch ID: | | QC180827HgSoil | | | | | | | | | | |

NC = Not Calculable. Applicable to RPD if sample or duplicate result is non-detect or estimated (see primary report for data flags). Applicable to MS if sample is greater or equal to ten times the spike added.

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Tuesday, August 28, 2018

Appendix C

Validator Qualifications

KENNETH R. APPLIN
Geochemist/Data Validator

Ph.D., Geochemistry and Mineralogy, The Pennsylvania State University

M.S., Geochemistry and Mineralogy, The Pennsylvania State University

B.A., Geological Sciences, SUNY at Geneseo, NY

Dr. Applin has over 35 years of experience working with the geochemistry of natural waters. His prior experience includes working as an Assistant Professor of Geology at the University of Missouri-Columbia and as Chief Hydrogeologist and Geochemist with a leading engineering firm in Rochester, NY. In 1993, he established KR Applin and Associates, a small consulting business that focuses on the geochemistry of natural waters, especially as applied to problems involving the contamination of groundwater and surface water.

Dr. Applin is also an experienced analytical data validator and has provided data validation services since 1994 to a variety of clients performing brownfield cleanup projects, hazardous waste remediation, groundwater monitoring at solid waste facilities, and other projects requiring third-party data validation. Dr. Applin has several years of hands-on experience with the laboratory analysis of natural waters and has successfully completed the USEPA Region II certification courses for performing inorganic and organic analytical data validation.

MICHAEL K. PERRY

Chemist/Data Validator

B.S. Chemistry, Georgia State University, Atlanta, GA

A.A.S., Chemical Technology, Alfred State College, Alfred, NY

Mr. Perry has over 30 years of experience in the analytical laboratory business. During his early career, he spent several years as a laboratory analyst performing the analysis of soil, water, and air samples for inorganic and organic chemical parameters. During his last 20 years in the environmental laboratory business, he managed and directed two major analytical laboratories in Rochester, NY. His management responsibilities included oversight of the daily operations of the lab, staff training and supervision, the selection, purchase, and maintenance of analytical instruments, the introduction of new laboratory methods, analytical quality assurance and quality control, data acquisition and management, and other business-related activities.

Mr. Perry has an extensive working knowledge of the methods and procedures used for sampling and analyzing both inorganic and organic analytes in soil, water, and air. He is an accomplished laboratory chemist and is familiar with the analytical methods and procedures established under the USEPA Contract Laboratory Protocols (CLP), the NYSDEC Analytical Services Protocols (ASP), and the NYSDOH Environmental Laboratory Approval Program (ELAP).

DATA USABILITY SUMMARY REPORT (DUSR)

**31 and 150 Tonawanda St.
Buffalo, NY
NYSDEC BCP # C915299**

SDG: 184415

5 water samples

Prepared for:

**BE3/Panamerican
1270 Niagara Street
Buffalo, NY 14213**

November 2018



Environmental Data Usability 16026 Deer Park Dr. Dansville, NY 14437 585.991.9156

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REVIEWER'S NARRATIVE
SDG 184415

The data associated with this Sample Delivery Group (SDG) 184415, analyzed by Paradigm Environmental Services, Inc. Rochester, NY have been reviewed in accordance with assessment criteria provided by the New York State Department of Environmental Conservation following the review procedures provided in the USEPA Functional Guidelines for evaluating organic and inorganic data.

All analytical results reported by the laboratory are considered valid and acceptable except results that have been qualified as rejected, "R". Results qualified as estimated "J", or as non-detects, "U", are considered usable for the purpose of evaluating water and/or soil quality. However, these qualifiers indicate that the accuracy and/or precision of the analytical result is questionable. A summary of all data that have been qualified and the reasons for qualification are provided in the following data usability summary report (DUSR).

Two facts should be noted by all data users. First, the "R" qualifier means that the associated value is unusable. In other words, due to significant quality control (QC) problems, the analysis is invalid and provides no information as to whether the analyte is present or not. Values qualified with an "R" should not appear on the final data tables because they cannot be relied upon, even as the last resort. Second, no analyte concentration, even if it has passed all QC tests, is guaranteed to be accurate. Strict QC serves to increase confidence in data, but any value potentially contains error.

Reviewer's Signature: Michael K. Perry Date: 11/12/18
Michael K. Perry
Chemist

1.0 SUMMARY

SITE: 31 and 150 Tonawanda St.
Buffalo, NY

SAMPLING DATE: September 24, 2018

SAMPLE TYPE: 5 water samples and a trip blank

LABORATORY: Paradigm Environmental Services, Inc.
Rochester, NY

SDG No.: 184415

2.0 INTRODUCTION

This data usability summary report (DUSR) was prepared in accordance with guidance provided by the New York State Department of Environmental Conservation (NYSDEC). The DUSR is based on a review and evaluation of the laboratory analytical data package. Specifically, the NYSDEC guidance recommends review and evaluation of the following elements of the data package:

- Completeness of the data package as defined under the requirements of the NYSDEC Analytical Services Protocols (ASP) Category B or the United States Environmental Protection Agency (USEPA) Contract Laboratory Program (CLP) deliverables,
- Compliance with established analyte holding times,
- Adherence to quality control (QC) limits and specifications for blanks, instrument tuning and calibration, surrogate recoveries, spike recoveries, laboratory duplicate analyses, and other QC criteria,
- Adherence to established analytical protocols,
- Conformance of data summary sheets with raw analytical data, and
- Use of correct data qualifiers.

Data deficiencies, analytical protocol deviations, and quality control problems identified using the review criteria above and their effect on the analytical results are discussed in this report.

3.0 SAMPLE AND ANALYSIS SUMMARY

The data package consists of analytical results for five water samples collected on September 24, 2018. These samples were analyzed for Part 375 Volatile Organic Compounds, Semi-volatile Organic Compounds, PCBs, Pesticides, TCN, Metals, 1,4-Dioxane by 8270-SIM and PFAAs by EPA 537 (modified).

All analyses were performed by Paradigm Environmental Services, Inc., Rochester, NY and analyzed as SDG 184415 except 1,4-Dioxane by 8270-SIM and PFAAs by EPA 537 (modified) were performed by ALPHA Analytical, Westborough, MA and analyzed as SDG L1838408. The analytical results were provided in NYSDEC ASP Category B format, which includes all raw analytical data and laboratory QC data.

4.0 GUIDANCE DOCUMENTS AND DATA REVIEW CRITERIA

The guidance documents used for reviewing laboratory quality control (QC) data and assigning data qualifiers (flags) to analytical results are listed in Table 4-1. The QC limits established in the documents applicable to this data review were used to assess the quality of the analytical results. In some cases, however, QC limits established internally by the laboratory were taken into account to determine data quality.

The QC criteria considered for assessing the usability of the reported analytical results provided for each analyte type (i.e. VOCs, SVOCs, metals, etc.) are listed in Table 4-2. These criteria may vary with the analytical method utilized by the laboratory. These criteria comply with the guidance recommended in Section 2.0 above.

5.0 DATA VALIDATION QUALIFIERS

The letter qualifiers (flags) used to define data usability are described briefly below. These letters are assigned by the data validator to analytical

TABLE 4-1

DATA VALIDATION GUIDANCE DOCUMENTS

| Analyte Type | Validation Guidance |
|-----------------------|--|
| VOCs | USEPA, 2008, Validating Volatile Organic Compounds By Gas Chromatography/Mass Spectrometry; SW-846 Method 8260B; SOP # HW-24, Rev. 2. USEPA, 2008, Statement of Work for Organic Analysis of Low/Medium Concentration of Volatile Organic Compounds SOM01.2; SOP HW-33, Rev. 2. |
| SVOCs | USEPA, 2007, Statement of Work for Organic Analysis of Low/Medium Concentration of Semivolatile Organic Compounds SOM01.2; SOP HW-35, Rev. 1. |
| Pesticides/PCBs | USEPA, 2006, CLP Organics Data Review and Preliminary Review (CLP/SOW OLMO 4.3); SOP # HW-6, Rev. 14, Part C. |
| Metals | USEPA, 2006, Validation of Metals for the Contract Laboratory Program (CLP) based on SOW ILMO 5.3 (SOP Revision 13), SOP # HW-2, Rev. 13. |
| Gen Chemistry | NYSDEC, 2005, Analytical Services Protocols (ASP) |
| VOCs (Ambient air) | USEPA, 2006, Validating Air Samples, Volatile Organic Analysis of Ambient Air in Canister by Method TO-15; SOP # HW-31, Rev. 4. |

TABLE 4-2

**QUALITY CONTROL CRITERIA USED FOR VALIDATING
LABORATORY ANALYTICAL DATA**

| VOCs | SVOCs | Pesticides/PCBs | Metals | Gen Chemistry | Method TO-15 |
|---|---|---|--|--|---|
| Completeness of Pkg Sample Condition Holding Time System Monitoring Compounds Lab Control Sample Matrix Spikes Blanks Instrument Tuning Internal Standards Initial Calibration Continuing Calibration Lab Qualifiers Field Duplicate | Completeness of Pkg Sample Condition Holding Time Surrogate Recoveries Lab Control Sample Matrix Spikes Blanks Instrument Tuning Internal Standards Initial Calibration Continuing Calibration Lab Qualifiers Field Duplicate | Completeness of Pkg Sample Condition Holding Time Surrogate Recoveries Matrix Spikes Blanks Instrument Calibration & Verification Analyte ID Lab Qualifiers Field Duplicate | Completeness of Pkg Sample Condition Holding Time Initial/Continuing Calibration CRDL Standards Blanks Interference Check Sample Spike Recoveries Lab Duplicate Lab Control Sample ICP Serial Dilutions Lab Qualifiers Field Duplicate | Completeness of Pkg Sample Condition Holding Times Calibration Lab Control Samples Blanks Spike Recoveries Lab Duplicates | Completeness of Pkg Sample Condition Holding Time Canister Certification Lab Control Sample Instrument Tuning Blanks Initial Calibration & System Performance Daily Calibration Field Duplicate |

results having questionable accuracy and/or precision as determined by reviewing the laboratory QC data associated with the analytical results.

The laboratory may also use various letters and symbols to flag analytical results generated when QC limits were exceeded. The meanings of these flags may differ from those used by the independent data validator. Those used by the laboratory are provided with the analytical results.

NOTE: The assignment of data qualifiers by the data reviewer (validator) to laboratory analytical results should not necessarily be interpreted by the data user as a measure of laboratory ability or proficiency. Rather, the qualifiers are intended to provide a measure of data accuracy and precision to the data user, which, for example, may provide a level of confidence in determining whether or not standards or cleanup objectives have been met.

- U** The analyte was analyzed for but was not detected at or above the sample quantitation limit.
- J** The analyte was positively identified; the associated numerical value is the *approximate* concentration of the analyte in the sample. (The magnitude of any \pm value associated with the result is not determined by data validation).
- UJ** The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is *approximate* and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
- R** The sample result is rejected (i.e., is unusable) due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.
- N** The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification".
- JN** The analyte is considered to be "presumptively present." The associated numerical value represents its *approximate* concentration.

The validated analytical results are attached to this report. Validation qualifiers (flags) are indicated using red ink. Data sheets having qualified data are signed and dated by the data reviewer.

6.0 RESULTS OF THE DATA REVIEW

The results of the data review are summarized in Tables 6-1 through 6-8. The tables list the samples where QC criteria were found to exceed acceptable limits and the actions taken to qualify the associated analytical results.

7.0 TOTAL USABLE DATA

For SDG 184415, five samples and a trip blank were analyzed and results were reported for 1012 analytes. Even though some results were flagged with a “J” as estimated, all results (100%) are considered usable. See the summary table for the flagged analytes and the associated QC reasons.

NOTE:1) The data packages for this project contained no laboratory QC data for the CRDL standard for metals (Form 2B) and the Serial Dilutions of metals (Form 8). Therefore, no evaluation of the CRDL recoveries and the serial dilution results were performed by this data reviewer and no data were qualified as a result.

Table 6-1 **VOCs**

| SAMPLES AFFECTED | ANALYTES | ACTION | QC VIOLATION | COMMENTS |
|-----------------------------|---------------------------------------|-----------------------------|-----------------------------------|------------------------------|
| 31-MW-2 | All analytes | J detects | Surr. Rec 1,2-DCEd4 > QC limit | Detected data is biased high |
| 31-MW-1 | All analytes | UJ non-detects J detects | Surr. Rec PFB < QC limit | Data is estimated |
| 31-MW-3 | 1,1,1-Trichloroethane | J detects | MS/MSD > QC limit | Detected data is biased high |
| All samples | Dichlorodifluoromethane 2-Hexanone | UJ non-detects J detects | CCV %D > 20 % | Data is estimated |
| 31-MW-3 | Bromomethane | UJ non-detects J detects | CCV %D > 20 % | Data is estimated |
| Trip Blank | TIC Siloxane | R reject | Trip blank contamination | Common lab artifact |

Table 6-2 **SVOCs**

| SAMPLES AFFECTED | ANALYTES | ACTION | QC VIOLATION | COMMENTS |
|-----------------------------|-----------------|----------------|---------------------|---|
| All samples | Atrazine | UJ non-detects | 4 pt ICAL | Data is estimated – all data non-detect |

Table 6-3 Pesticides

| SAMPLES AFFECTED | ANALYTES | ACTION | QC VIOLATION | COMMENTS |
|-----------------------------|---|--------------------------------------|---|-------------------------------|
| 31-MW-3 | All analytes | UJ non-detects J detects | MS/MSD < QC limit | All data is biased low |
| 31-MW-2 | Heptachlor Epoxide | CRQL-U | >25 % D between dual column analysis | Matrix interference suspected |
| 31-MW-1 | Aldrin Heptachlor Epoxide | J CRQL-U | >25 % D between dual column analysis | Matrix interference suspected |
| 31-MW-3 | d-BHC | J | >25 % D between dual column analysis | Matrix interference suspected |
| 31-MW-5 | Aldrin a-BHC Dieldrin Endrin Heptachlor Heptachlor Epoxide | J CRQL-U CRQL-U J J J | >25 % D between dual column analysis | Matrix interference suspected |

Table 6-4 PCBs

| SAMPLES AFFECTED | ANALYTES | ACTION | QC VIOLATION | COMMENTS |
|-----------------------------|-----------------|---------------|---|--|
| 31-MW-2 | PCB 1260 | J detects | No 2 nd column confirmation | Detects should be considered estimated |
| 31-MW-1 | PCB 1260 | J detects | No 2 nd column confirmation | Detects should be considered estimated |

SDG 184415

Table 6-5 Part 375 Metals

| SAMPLES AFFECTED | ANALYTES | ACTION | QC VIOLATION | COMMENTS |
|-----------------------------|-----------------|---------------|---------------------|-----------------|
| none | | | none | |

Table 6-6 TCN

| SAMPLES AFFECTED | ANALYTES | ACTION | QC VIOLATION | COMMENTS |
|-----------------------------|-----------------|---------------|---------------------|-----------------|
| none | | | none | |

Table 6-7 1,4-Dioxane - 8270-SIM

| SAMPLES AFFECTED | ANALYTES | ACTION | QC VIOLATION | COMMENTS |
|-----------------------------|-----------------|---------------|---------------------|-----------------|
| none | | | none | |

Table 6-8 PFAAs – EPA 537 (modified)

| SAMPLES AFFECTED | ANALYTES | ACTION | QC VIOLATION | COMMENTS |
|-----------------------------|-----------------|---------------|---------------------|-----------------|
| none | | | none | |

ACRONYMS

| | |
|--------|--------------------------------------|
| BSP | Blank Spike |
| CCAL | Continuing Calibration |
| CCB | Continuing Calibration Blank |
| CCV | Continuing Calibration Verification |
| CRDL | Contract Required Detection Limit |
| CRQL | Contract Required Quantitation Limit |
| %D | Percent Difference |
| ICAL | Initial Calibration |
| ICB | Initial Calibration Blank |
| IS | Internal Standard |
| LCS | Laboratory Control Sample |
| MS/MSD | Matrix Spike/Matrix Spike Duplicate |
| QA | Quality Assurance |
| QC | Quality Control |
| %R | Percent recovery |
| RPD | Relative Percent Difference |
| RRF | Relative Response Factor |
| %RSD | Percent Relative Standard Deviation |
| TAL | Target Analyte List (metals) |
| TCL | Target Compound List (organics) |

Appendix A

Validated Analytical Results

LAB PROJECT NARRATIVE: 184415
PROJECT NAME: 31 + 150 Tonawanda St.
SDG: 4415-01
CLIENT: BE3

Five Groundwater samples were collected by the client on September 24, 2018 and received at the Paradigm laboratory on September 25, 2018. Samples were accompanied by a Trip Blank collected on September 18, 2018. Container and holding times were acceptable at time of receipt; the samples were received at 3° Centigrade and were on ice. The samples were submitted for the TCL list for VOCs & SVOCs, PCBs, Pesticides, TCN, and Pt. 375 Metals/Dissolved Metals, PFAs and 1,4-Dioxane. TICs were requested on the VOCs. All analyses, where applicable, were performed using EPA SW-846 Methods and the associated holding times.

The items noted in this case narrative address compliance with the referenced methods, NYSDOH ELAP rules, and any project specific data quality requirements. These may be different from the usability criteria referenced in any "Functional Guidelines" or other data review standards used by data validators.

GENERAL NOTES

ALL ANALYSES

The initial and continuing calibration reports are only evaluated for compounds that are on the sample summary report.

Regarding results on QC summary forms versus included raw data, due to calculations made at the instrument where many significant figures may be used, there may be slight discrepancies between the summary report result and that recorded on the raw data. This does not affect data usability.

VOLATILES AND SEMIVOLATILES

Regarding initial calibrations, it should be noted that the Quantitation Report concentrations supplied for the initial calibration reflect the calibration prior to updating. The response factors and areas are correct.

Regarding Quantitation Reports, it should be noted that the "#" symbol that appears on some of the Quantitation Reports is a software artifact and should be disregarded.

VOLATILES

Holding times were met for all samples.

All surrogate recoveries for the samples and associated QC were within acceptance limits, except 1,2-Dichloroethane-d4 was out high in 31-MW-2 and Pentafluorobenzene was out low in 31-MW-1. These outliers have been flagged with an "*" on the QC Summary Table and the Sample Reports accordingly. Matrix interference is suspected.

Site specific QC was requested and analyzed on sample 31-MW-3. The MS/MSD and RPD recoveries were in acceptance limits, except 1,1,1-Trichloroethane was out for the MS and the RPD. The outliers

have been flagged with and “*” on the QC Summary Table and “MD” on the Sample Report. Matrix interference is suspected. The Laboratory Control Samples recovered within acceptance limits.

The Method Blanks were free from contamination within the reportable ranges.

The instrument tunes passed all criteria.

All internal standards areas and retention times were within acceptance limits for the samples and associated QC.

All data for the initial calibration was within acceptance limits. Compounds flagged with an “*” on the summary table have been calibrated using a non-average Response Factor calibration curve. The supporting curves are located after the initial calibration table.

All continuing calibration data for the reported analytes was within acceptance limits, except Dichlorodifluoromethane was out low in both CCVs and Bromomethane out low in CCV 181001. These outliers were assessed for adequate sensitivity at the reporting limit by single point standard, this is usable for determination of “Non-Detects” only. All associated samples were Non-Detect for these compounds. Additionally, 2-Hexanone was out high in both CCVs. The data was deemed usable for Non-Detects. All samples associated with this outlier were Non-Detect for this compound.

SEMI-VOLATILES

Holding times were met for all samples.

All surrogate recoveries for the samples and associated QC were within acceptance limits, except Terphenyl-d14 was out low in sample 31-MW-1 and the Matrix Spike (MS). These outliers have been flagged with an “*” on the QC Summary Table and the Sample Reports accordingly. Matrix interference is suspected.

Site specific QC was requested and analyzed on sample 31-MW-3. The MS/MSD and RPD recoveries were in acceptance limits, except Acenaphthene was out for low the MS. As it was within the lower marginal exceedance limit, it was only flagged on the QC Summary Table but not the reports and was deemed as usable. The Laboratory Control Sample recovered within acceptance limits.

The Method Blank was free from contamination within the reportable ranges.

The instrument tunes passed all criteria and samples were within a 12-hour window.

The internal standards areas and retention times were within acceptance ranges.

All data for the initial calibrations was within acceptance limits. Compounds flagged with an “*” on the summary table have been calibrated using a non-average Response Factor calibration curve. The supporting curves are located after the initial calibration table.

All continuing calibration data for the reported analytes was within acceptance limits.

PESTICIDES

Holding times were met for all samples.

The surrogate recoveries for the samples and the associated QC were within acceptance limits, except Tetrachloro-m-xylene (TCmX) was out low in sample 31-MW-3, along with the MS/MSD. The outliers have been flagged with an “*” on the QC Summary Table and the sample report accordingly. Matrix Interference is suspected.

Site specific QC was requested and analyzed on sample 31-MW-3. There were several MS/MSD and RPD outliers (refer to QC Summary Table for specifics). The outliers have been flagged with an “*” on the QC Summary and “M/D” on the sample report accordingly. Matrix interference is suspected. The Laboratory Control Sample recovered within acceptance limits.

The internal standards areas and retention times were within acceptance ranges for all samples and QC except the internal standard area was out high for sample 31-MW-3. It was flagged with a “*” on the summary form. Site specific QC was requested on this sample and the MS/MSD confirmed the outlier. No further action was taken.

All data for the initial calibrations were within acceptance limits. The internal acceptance criteria for the initial calibrations was 0.99 or better for each peak.

All continuing calibration data was within acceptance limits.

For all hits, a Form 10 including Percent Difference has been included. Column confirmations above 40% difference have been flagged with a “P” on the sample reports and an “*” on the Form 10 indicating matrix interference. The reported result is always the lower of the two results.

PCBs

Holding times were met for all samples.

The surrogate recoveries for the samples and the associated QC were within acceptance limits, except TCmX was out high in sample 31-MW-3, along with the MS/MSD and DCBP was out high in sample 31-MW-4. The outliers have been flagged with an “*” on the QC Summary Table and the sample report accordingly. Matrix Interference is suspected.

Site specific QC was requested and analyzed on sample 31-MW-3. The MS/MSD and RPD recoveries were in acceptance limits. The Laboratory Control Sample recovered within acceptance limits.

The samples were subjected to an Acid/Florisil Silica Gel clean-up to address possible Sulfur and/or Hydrocarbon interferences. The Method Blank and LCS also underwent this clean-up for consistency reasons. The Method Blank was free from contamination within the reportable ranges, except a “J” flaggable hit of 0.0688 ug/L for Aroclor 1260. Aroclor 1260 was also present in samples 31-MW-2 and 31-MW-1. This hit could not be confirmed, as there was insufficient sample volume after initial analysis. However, this Aroclor has been confirmed in soil samples for this site. No further action was taken.

All data for the initial calibrations were within acceptance limits. The internal acceptance criteria for the initial calibrations was 0.99 or better for each peak.

All continuing calibration data was within acceptance limits.

METALS

Holding times were met for all samples.

Site specific QC was requested and analyzed on sample 31-MW-3. The MS/MSD and RPD recoveries were in acceptance limits. The Laboratory Control Samples recovered within acceptance limits, except the recovery was low for Dissolved Mercury. The outlier has been flagged with an "*" on the QC Summary Form and an "L" on the Sample Report. The sample was Non-Detect and data was deemed usable. No further action was taken.

The Method Blanks were free from contamination within the reportable range.

All data for the initial calibrations was within acceptance limits.

All continuing calibrations data was within acceptance limits.

INORGANICS-Total Cyanide

Holding times were met for all samples.

Site specific QC was requested and analyzed on sample 31-MW-3. All Sample Spike Recoveries and Relative Percent Differences were within QC limits. The Laboratory Control Sample recovered within acceptance limits.

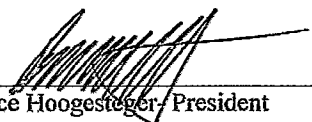
All Initial and Continuing Blanks and Method Blanks were free from contamination within acceptance limits.

All Initial and Continuing calibrations were within acceptance limits.

SUB-CONTRACTED ANALYSES

1,4 Dioxane by SIM Method 8270D and Perfluorinated Alkyl Acids (PFAs) by EPA Method 537 were subcontracted to Alpha Analytical of Mansfield, MA. Their report is provided in its entirety as a separate entity after the Paradigm Environmental Services, Inc. report. Separate case narratives addressing the above parameters are included with their report.

(signed)


Bruce Hoogesteger - President

(date)

11/6/2013

BATCH LOG

Lab Name: Paradigm Environmental Services
Lab Project #: 184415
Client Name: BE3
Client Project Name: 31 + 150 Tonawanda
Client Project #: N/A
SDG No.: 4415-01

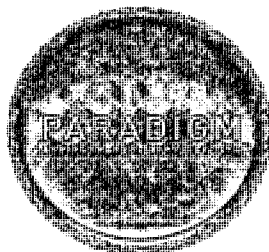
Protocol: SW846

Report Due C 10/16/2018

Batch Due Date:

10/25/2018

[illegible]



179 Lake Avenue, Rochester, NY 14608 Office (585) 647-2530 Fax (585) 647-3311

1 of 1 182

CHAIN OF CUSTODY

| | | | | |
|---|-------------------|---|--|----------------|
| REPORT TO: | | INVOICE TO: | | LAB PROJECT ID |
| CLIENT: BE3 Corp / Pan American | CLIENT: SAME | 184415 | | |
| ADDRESS: 1270 Niagara St | ADDRESS: | Quotation #: | | |
| CITY: Buffalo STATE: NY ZIP: 14213 | CITY: STATE: ZIP: | Email: abrenner@bc3corp.com jberry@bc3corp.com | | |
| PHONE: 716 249 6880 | PHONE: | | | |
| ATTN: Pete Gorton | ATTN: | | | |
| Matrix Codes: WA - Water DW - Drinking Water SO - Soil SD - Solid WP - Wipe OL - Oil AQ - Aqueous Liquid WW - Wastewater SL - Sludge PT - Paint CK - Caulk AR - Air NQ - Non-Aqueous Liquid | | | | |

PROJECT REFERENCE
30+150 Turnaround
1270 Niagara St

| DATE COLLECTED | TIME COLLECTED | COMPOSITE | GRAB | SAMPLE IDENTIFIER | MATRIX | CONTAINER | TESTS | TESTS | TESTS | TESTS | TESTS | TESTS | TESTS | TESTS | TESTS | REMARKS | PARADIGM LAB SAMPLE NUMBER |
|----------------|----------------|-----------|------|-------------------|--------|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------------------------|----------------------------|
| 09/24/18 | 1005 | | X | 31-MW-2 | GW | 7 | X | X | X | X | X | X | X | X | X | | 01 |
| | 1150 | | | 31-MW-1 | | 7 | X | X | X | X | X | X | X | X | X | Defiled but not used | 02A |
| | 1320 | | | 31-MW-3 | | 7 | X | X | X | X | X | X | X | X | X | | |
| | - | | | MS | | 7 | X | X | X | X | X | X | X | X | X | MS | 03 |
| | - | | | MSD | | 7 | X | X | X | X | X | X | X | X | X | MSD | |
| | 1515 | | | 31-MW-4 | | 7 | X | X | X | X | X | X | X | X | X | | 04 |
| | 1635 | | | 31-MW-5 | | 7 | X | X | X | X | X | X | X | X | X | | 05 |
| 9/18/18 | | | | Trip Blank T860 | W | 1 | X | | | | | | | | | sub sent directly to sub | 06 |
| | | | | | | | | | | | | | | | | sub mtdy Pail 9/25/18 | |
| | | | | | | | | | | | | | | | | Bottle costs for VOAs only | |

| Turnaround Time | Report Supplements | | |
|---|--|--|--|
| Availability contingent upon lab approval; additional fees may apply. | | | |
| Standard 5 day <input type="checkbox"/> | None Required <input type="checkbox"/> | None Required <input type="checkbox"/> | None Required <input type="checkbox"/> |
| 10 day <input checked="" type="checkbox"/> | Batch QC <input type="checkbox"/> | Basic EDD <input type="checkbox"/> | |
| Rush 3 day <input type="checkbox"/> | Category A <input type="checkbox"/> | NYSDEC EDD <input checked="" type="checkbox"/> | |
| Rush 2 day <input type="checkbox"/> | Category B <input checked="" type="checkbox"/> | | |
| Rush 1 day <input type="checkbox"/> | | | |
| Other <input type="checkbox"/> | Other <input type="checkbox"/> | Other EDD <input type="checkbox"/> | |
| please indicate date needed: | please indicate package needed: | please indicate EDD needed: | |

Alex Brennan 09/24/18
 Sampled By Date/Time
 Relinquished By 09/24/18 1700
 Received By 9/25/18 9:00
 Received @ Lab By 9/25/18 1440
 3°C ice 9/25/18 13:03 N/A custody seals
 By signing this form, client agrees to Paradigm Terms and Conditions (reverse).

See additional page for sample conditions.



PARADIGM

ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 184415

Client: BE3

Project Reference: 31 + 150 Tonawanda

Sample Identifier: 31-MW-2

Lab Sample ID: 184415-01

Matrix: Groundwater

Date Sampled: 9/24/2018

Date Received: 9/25/2018

Volatile Organics

| Analyte | Result | Units | Qualifier | Date Analyzed |
|-----------------------------|-----------|-------|-----------|-----------------|
| 1,1,1-Trichloroethane | 1.21 J | ug/L | J | 9/28/2018 20:18 |
| 1,1,2,2-Tetrachloroethane | < 2.00 | ug/L | | 9/28/2018 20:18 |
| 1,1,2-Trichloroethane | < 2.00 | ug/L | | 9/28/2018 20:18 |
| 1,1-Dichloroethane | < 2.00 | ug/L | | 9/28/2018 20:18 |
| 1,1-Dichloroethene | < 2.00 | ug/L | | 9/28/2018 20:18 |
| 1,2,3-Trichlorobenzene | < 5.00 | ug/L | | 9/28/2018 20:18 |
| 1,2,4-Trichlorobenzene | < 5.00 | ug/L | | 9/28/2018 20:18 |
| 1,2,4-Trimethylbenzene | < 2.00 | ug/L | | 9/28/2018 20:18 |
| 1,2-Dibromo-3-Chloropropane | < 10.0 | ug/L | | 9/28/2018 20:18 |
| 1,2-Dibromoethane | < 2.00 | ug/L | | 9/28/2018 20:18 |
| 1,2-Dichlorobenzene | < 2.00 | ug/L | | 9/28/2018 20:18 |
| 1,2-Dichloroethane | < 2.00 | ug/L | | 9/28/2018 20:18 |
| 1,2-Dichloropropane | < 2.00 | ug/L | | 9/28/2018 20:18 |
| 1,3,5-Trimethylbenzene | < 2.00 | ug/L | | 9/28/2018 20:18 |
| 1,3-Dichlorobenzene | < 2.00 | ug/L | | 9/28/2018 20:18 |
| 1,4-Dichlorobenzene | < 2.00 | ug/L | | 9/28/2018 20:18 |
| 1,4-Dioxane | < 20.0 | ug/L | | 9/28/2018 20:18 |
| 2-Butanone | < 10.0 | ug/L | | 9/28/2018 20:18 |
| 2-Hexanone | < 5.00 WJ | ug/L | | 9/28/2018 20:18 |
| 4-Methyl-2-pentanone | < 5.00 | ug/L | | 9/28/2018 20:18 |
| Acetone | 5.13 J | ug/L | J | 9/28/2018 20:18 |
| Benzene | < 1.00 | ug/L | | 9/28/2018 20:18 |
| Bromochloromethane | < 5.00 | ug/L | | 9/28/2018 20:18 |
| Bromodichloromethane | < 2.00 | ug/L | | 9/28/2018 20:18 |
| Bromoform | < 5.00 | ug/L | | 9/28/2018 20:18 |
| Bromomethane | < 2.00 | ug/L | | 9/28/2018 20:18 |
| Carbon disulfide | 3.45 | ug/L | | 9/28/2018 20:18 |

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Report Prepared Thursday, October 11, 2018



PARADIGM

ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 184415

Client: BE3

Project Reference: 31 + 150 Tonawanda

| | | | | |
|---------------------------|-------------|------|----------------|-----------------|
| Sample Identifier: | 31-MW-2 | | | |
| Lab Sample ID: | 184415-01 | | Date Sampled: | 9/24/2018 |
| Matrix: | Groundwater | | Date Received: | 9/25/2018 |
| Carbon Tetrachloride | < 2.00 | ug/L | | 9/28/2018 20:18 |
| Chlorobenzene | < 2.00 | ug/L | | 9/28/2018 20:18 |
| Chloroethane | < 2.00 | ug/L | | 9/28/2018 20:18 |
| Chloroform | < 2.00 | ug/L | | 9/28/2018 20:18 |
| Chloromethane | < 2.00 | ug/L | | 9/28/2018 20:18 |
| cis-1,2-Dichloroethene | 2.10 J | ug/L | | 9/28/2018 20:18 |
| cis-1,3-Dichloropropene | < 2.00 | ug/L | | 9/28/2018 20:18 |
| Cyclohexane | < 10.0 | ug/L | | 9/28/2018 20:18 |
| Dibromochloromethane | < 2.00 | ug/L | | 9/28/2018 20:18 |
| Dichlorodifluoromethane | < 2.00 AS | ug/L | | 9/28/2018 20:18 |
| Ethylbenzene | < 2.00 | ug/L | | 9/28/2018 20:18 |
| Freon 113 | < 2.00 | ug/L | | 9/28/2018 20:18 |
| Isopropylbenzene | < 2.00 | ug/L | | 9/28/2018 20:18 |
| m,p-Xylene | < 2.00 | ug/L | | 9/28/2018 20:18 |
| Methyl acetate | < 2.00 | ug/L | | 9/28/2018 20:18 |
| Methyl tert-butyl Ether | < 2.00 | ug/L | | 9/28/2018 20:18 |
| Methylcyclohexane | < 2.00 | ug/L | | 9/28/2018 20:18 |
| Methylene chloride | < 5.00 | ug/L | | 9/28/2018 20:18 |
| Naphthalene | < 5.00 | ug/L | | 9/28/2018 20:18 |
| n-Butylbenzene | < 2.00 | ug/L | | 9/28/2018 20:18 |
| n-Propylbenzene | < 2.00 | ug/L | | 9/28/2018 20:18 |
| o-Xylene | < 2.00 | ug/L | | 9/28/2018 20:18 |
| p-Isopropyltoluene | < 2.00 | ug/L | | 9/28/2018 20:18 |
| sec-Butylbenzene | < 2.00 | ug/L | | 9/28/2018 20:18 |
| Styrene | < 5.00 | ug/L | | 9/28/2018 20:18 |
| tert-Butylbenzene | < 2.00 | ug/L | | 9/28/2018 20:18 |
| Tetrachloroethene | < 2.00 | ug/L | | 9/28/2018 20:18 |
| Toluene | < 2.00 | ug/L | | 9/28/2018 20:18 |
| trans-1,2-Dichloroethene | < 2.00 | ug/L | | 9/28/2018 20:18 |
| trans-1,3-Dichloropropene | < 2.00 | ug/L | | 9/28/2018 20:18 |

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Report Prepared Thursday, October 11, 2018



PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 184415

Client: BE3

Project Reference: 31 + 150 Tonawanda

Sample Identifier: 31-MW-2

Lab Sample ID: 184415-01

Date Sampled: 9/24/2018

Matrix: Groundwater

Date Received: 9/25/2018

| | | | | | |
|------------------------|-------------------------|---------------|-----------------|----------------------|-----------------|
| Trichloroethene | < 2.00 | ug/L | | | 9/28/2018 20:18 |
| Trichlorofluoromethane | < 2.00 | ug/L | | | 9/28/2018 20:18 |
| Vinyl chloride | < 2.00 | ug/L | | | 9/28/2018 20:18 |
| Surrogate | Percent Recovery | Limits | Outliers | Date Analyzed | |
| 1,2-Dichloroethane-d4 | 122 | 80.7 - 121 | * | 9/28/2018 | 20:18 |
| 4-Bromofluorobenzene | 80.1 | 74.3 - 121 | | 9/28/2018 | 20:18 |
| Pentafluorobenzene | 92.9 | 86.2 - 111 | | 9/28/2018 | 20:18 |
| Toluene-D8 | 87.1 | 86.2 - 112 | | 9/28/2018 | 20:18 |

Method Reference(s): EPA 8260C

EPA 5030C

Data File: x54648.D

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Report Prepared Thursday, October 11, 2018



PARADIGM

ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 184415

Client: BE3

Project Reference: 31 + 150 Tonawanda

Sample Identifier: 31-MW-1

Lab Sample ID: 184415-02

Date Sampled: 9/24/2018

Matrix: Groundwater

Date Received: 9/25/2018

Volatile Organics

| Analyte | Result | Units | Qualifier | Date Analyzed |
|-----------------------------|------------------|-------|-----------|-----------------|
| 1,1,1-Trichloroethane | < 2.00 <i>u5</i> | ug/L | | 9/28/2018 20:42 |
| 1,1,2,2-Tetrachloroethane | < 2.00 | ug/L | | 9/28/2018 20:42 |
| 1,1,2-Trichloroethane | < 2.00 | ug/L | | 9/28/2018 20:42 |
| 1,1-Dichloroethane | < 2.00 | ug/L | | 9/28/2018 20:42 |
| 1,1-Dichloroethene | < 2.00 | ug/L | | 9/28/2018 20:42 |
| 1,2,3-Trichlorobenzene | < 5.00 | ug/L | | 9/28/2018 20:42 |
| 1,2,4-Trichlorobenzene | < 5.00 | ug/L | | 9/28/2018 20:42 |
| 1,2,4-Trimethylbenzene | < 2.00 | ug/L | | 9/28/2018 20:42 |
| 1,2-Dibromo-3-Chloropropane | < 10.0 | ug/L | | 9/28/2018 20:42 |
| 1,2-Dibromoethane | < 2.00 | ug/L | | 9/28/2018 20:42 |
| 1,2-Dichlorobenzene | < 2.00 | ug/L | | 9/28/2018 20:42 |
| 1,2-Dichloroethane | < 2.00 | ug/L | | 9/28/2018 20:42 |
| 1,2-Dichloropropane | < 2.00 | ug/L | | 9/28/2018 20:42 |
| 1,3,5-Trimethylbenzene | < 2.00 | ug/L | | 9/28/2018 20:42 |
| 1,3-Dichlorobenzene | < 2.00 | ug/L | | 9/28/2018 20:42 |
| 1,4-Dichlorobenzene | < 2.00 | ug/L | | 9/28/2018 20:42 |
| 1,4-Dioxane | < 20.0 | ug/L | | 9/28/2018 20:42 |
| 2-Butanone | < 10.0 | ug/L | | 9/28/2018 20:42 |
| 2-Hexanone | < 5.00 | ug/L | | 9/28/2018 20:42 |
| 4-Methyl-2-pentanone | < 5.00 | ug/L | | 9/28/2018 20:42 |
| Acetone | 12.9 <i>J</i> | ug/L | | 9/28/2018 20:42 |
| Benzene | < 1.00 <i>u5</i> | ug/L | | 9/28/2018 20:42 |
| Bromochloromethane | < 5.00 | ug/L | | 9/28/2018 20:42 |
| Bromodichloromethane | < 2.00 | ug/L | | 9/28/2018 20:42 |
| Bromoform | < 5.00 | ug/L | | 9/28/2018 20:42 |
| Bromomethane | < 2.00 | ug/L | | 9/28/2018 20:42 |
| Carbon disulfide | < 2.00 | ug/L | | 9/28/2018 20:42 |

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Report Prepared Thursday, October 11, 2018



PARADIGM

ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 184415

Client: **BE3**

Project Reference: 31 + 150 Tonawanda

Sample Identifier: 31-MW-1

Lab Sample ID: 184415-02

Date Sampled: 9/24/2018

Matrix: Groundwater

Date Received: 9/25/2018

| | | | | |
|---------------------------|--------|----|------|-----------------|
| Carbon Tetrachloride | < 2.00 | WJ | ug/L | 9/28/2018 20:42 |
| Chlorobenzene | < 2.00 | | ug/L | 9/28/2018 20:42 |
| Chloroethane | < 2.00 | | ug/L | 9/28/2018 20:42 |
| Chloroform | < 2.00 | | ug/L | 9/28/2018 20:42 |
| Chloromethane | < 2.00 | | ug/L | 9/28/2018 20:42 |
| cis-1,2-Dichloroethene | < 2.00 | | ug/L | 9/28/2018 20:42 |
| cis-1,3-Dichloropropene | < 2.00 | | ug/L | 9/28/2018 20:42 |
| Cyclohexane | < 10.0 | | ug/L | 9/28/2018 20:42 |
| Dibromochloromethane | < 2.00 | | ug/L | 9/28/2018 20:42 |
| Dichlorodifluoromethane | < 2.00 | | ug/L | 9/28/2018 20:42 |
| Ethylbenzene | < 2.00 | | ug/L | 9/28/2018 20:42 |
| Freon 113 | < 2.00 | | ug/L | 9/28/2018 20:42 |
| Isopropylbenzene | < 2.00 | | ug/L | 9/28/2018 20:42 |
| m,p-Xylene | < 2.00 | | ug/L | 9/28/2018 20:42 |
| Methyl acetate | < 2.00 | | ug/L | 9/28/2018 20:42 |
| Methyl tert-butyl Ether | < 2.00 | | ug/L | 9/28/2018 20:42 |
| Methylcyclohexane | < 2.00 | | ug/L | 9/28/2018 20:42 |
| Methylene chloride | < 5.00 | | ug/L | 9/28/2018 20:42 |
| Naphthalene | < 5.00 | | ug/L | 9/28/2018 20:42 |
| n-Butylbenzene | < 2.00 | | ug/L | 9/28/2018 20:42 |
| n-Propylbenzene | < 2.00 | | ug/L | 9/28/2018 20:42 |
| o-Xylene | < 2.00 | | ug/L | 9/28/2018 20:42 |
| p-Isopropyltoluene | < 2.00 | | ug/L | 9/28/2018 20:42 |
| sec-Butylbenzene | < 2.00 | | ug/L | 9/28/2018 20:42 |
| Styrene | < 5.00 | | ug/L | 9/28/2018 20:42 |
| tert-Butylbenzene | < 2.00 | | ug/L | 9/28/2018 20:42 |
| Tetrachloroethene | < 2.00 | | ug/L | 9/28/2018 20:42 |
| Toluene | < 2.00 | | ug/L | 9/28/2018 20:42 |
| trans-1,2-Dichloroethene | < 2.00 | | ug/L | 9/28/2018 20:42 |
| trans-1,3-Dichloropropene | < 2.00 | ↓ | ug/L | 9/28/2018 20:42 |

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Report Prepared Thursday, October 11, 2018



PARADIGM

ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 184415

Client: **BE3**

Project Reference: 31 + 150 Tonawanda

Sample Identifier: 31-MW-1

Lab Sample ID: 184415-02

Date Sampled: 9/24/2018

Matrix: Groundwater

Date Received: 9/25/2018

| | | | |
|------------------------|--------|------|-----------------|
| Trichloroethene | < 2.00 | ug/L | 9/28/2018 20:42 |
| Trichlorofluoromethane | < 2.00 | ug/L | 9/28/2018 20:42 |
| Vinyl chloride | < 2.00 | ug/L | 9/28/2018 20:42 |

| <u>Surrogate</u> | <u>Percent Recovery</u> | <u>Limits</u> | <u>Outliers</u> | <u>Date Analyzed</u> |
|-----------------------|-------------------------|---------------|-----------------|----------------------|
| 1,2-Dichloroethane-d4 | 114 | 80.7 - 121 | | 9/28/2018 20:42 |
| 4-Bromofluorobenzene | 85.6 | 74.3 - 121 | | 9/28/2018 20:42 |
| Pentafluorobenzene | 85.7 | 86.2 - 111 | * | 9/28/2018 20:42 |
| Toluene-D8 | 87.2 | 86.2 - 112 | | 9/28/2018 20:42 |

Method Reference(s): EPA 8260C

EPA 5030C

Data File: x54649.D

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Report Prepared Thursday, October 11, 2018



PARADIGM

ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 184415

Client: **BE3**

Project Reference: 31 + 150 Tonawanda

Sample Identifier: 31-MW-3

Lab Sample ID: 184415-03

Date Sampled: 9/24/2018

Matrix: Groundwater

Date Received: 9/25/2018

Volatile Organics

| Analyte | Result | Units | Qualifier | Date Analyzed |
|-----------------------------|-----------|-------|-----------|-----------------|
| 1,1,1-Trichloroethane | 188000 J | ug/L | MD | 10/1/2018 12:56 |
| 1,1,2,2-Tetrachloroethane | < 5000 | ug/L | | 10/1/2018 12:56 |
| 1,1,2-Trichloroethane | < 5000 | ug/L | | 10/1/2018 12:56 |
| 1,1-Dichloroethane | 75700 | ug/L | | 10/1/2018 12:56 |
| 1,1-Dichloroethene | 2510 | ug/L | J | 10/1/2018 12:56 |
| 1,2,3-Trichlorobenzene | < 12500 | ug/L | | 10/1/2018 12:56 |
| 1,2,4-Trichlorobenzene | < 12500 | ug/L | | 10/1/2018 12:56 |
| 1,2,4-Trimethylbenzene | < 5000 | ug/L | | 10/1/2018 12:56 |
| 1,2-Dibromo-3-Chloropropane | < 25000 | ug/L | | 10/1/2018 12:56 |
| 1,2-Dibromoethane | < 5000 | ug/L | | 10/1/2018 12:56 |
| 1,2-Dichlorobenzene | < 5000 | ug/L | | 10/1/2018 12:56 |
| 1,2-Dichloroethane | < 5000 | ug/L | | 10/1/2018 12:56 |
| 1,2-Dichloropropane | < 5000 | ug/L | | 10/1/2018 12:56 |
| 1,3,5-Trimethylbenzene | < 5000 | ug/L | | 10/1/2018 12:56 |
| 1,3-Dichlorobenzene | < 5000 | ug/L | | 10/1/2018 12:56 |
| 1,4-Dichlorobenzene | < 5000 | ug/L | | 10/1/2018 12:56 |
| 1,4-Dioxane | < 50000 | ug/L | | 10/1/2018 12:56 |
| 2-Butanone | < 25000 | ug/L | | 10/1/2018 12:56 |
| 2-Hexanone | < 12500 ✓ | ug/L | | 10/1/2018 12:56 |
| 4-Methyl-2-pentanone | < 12500 | ug/L | | 10/1/2018 12:56 |
| Acetone | < 25000 | ug/L | | 10/1/2018 12:56 |
| Benzene | < 2500 | ug/L | | 10/1/2018 12:56 |
| Bromochloromethane | < 12500 | ug/L | | 10/1/2018 12:56 |
| Bromodichloromethane | < 5000 | ug/L | | 10/1/2018 12:56 |
| Bromoform | < 12500 | ug/L | | 10/1/2018 12:56 |
| Bromomethane | < 5000 ✓ | ug/L | | 10/1/2018 12:56 |
| Carbon disulfide | < 5000 | ug/L | | 10/1/2018 12:56 |

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Report Prepared Thursday, October 11, 2018



PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 184415

Client: BE3

Project Reference: 31 + 150 Tonawanda

| | | | |
|---------------------------|-------------|-----------------------|-----------------|
| Sample Identifier: | 31-MW-3 | | |
| Lab Sample ID: | 184415-03 | Date Sampled: | 9/24/2018 |
| Matrix: | Groundwater | Date Received: | 9/25/2018 |
| Carbon Tetrachloride | < 5000 | ug/L | 10/1/2018 12:56 |
| Chlorobenzene | < 5000 | ug/L | 10/1/2018 12:56 |
| Chloroethane | < 5000 | ug/L | 10/1/2018 12:56 |
| Chloroform | < 5000 | ug/L | 10/1/2018 12:56 |
| Chloromethane | < 5000 | ug/L | 10/1/2018 12:56 |
| cis-1,2-Dichloroethene | 37500 | ug/L | 10/1/2018 12:56 |
| cis-1,3-Dichloropropene | < 5000 | ug/L | 10/1/2018 12:56 |
| Cyclohexane | < 25000 | ug/L | 10/1/2018 12:56 |
| Dibromochloromethane | < 5000 | ug/L | 10/1/2018 12:56 |
| Dichlorodifluoromethane | < 5000 | ug/L | 10/1/2018 12:56 |
| Ethylbenzene | < 5000 | ug/L | 10/1/2018 12:56 |
| Freon 113 | < 5000 | ug/L | 10/1/2018 12:56 |
| Isopropylbenzene | < 5000 | ug/L | 10/1/2018 12:56 |
| m,p-Xylene | < 5000 | ug/L | 10/1/2018 12:56 |
| Methyl acetate | < 5000 | ug/L | 10/1/2018 12:56 |
| Methyl tert-butyl Ether | < 5000 | ug/L | 10/1/2018 12:56 |
| Methylcyclohexane | < 5000 | ug/L | 10/1/2018 12:56 |
| Methylene chloride | < 12500 | ug/L | 10/1/2018 12:56 |
| Naphthalene | < 12500 | ug/L | 10/1/2018 12:56 |
| n-Butylbenzene | < 5000 | ug/L | 10/1/2018 12:56 |
| n-Propylbenzene | < 5000 | ug/L | 10/1/2018 12:56 |
| o-Xylene | < 5000 | ug/L | 10/1/2018 12:56 |
| p-Isopropyltoluene | < 5000 | ug/L | 10/1/2018 12:56 |
| sec-Butylbenzene | < 5000 | ug/L | 10/1/2018 12:56 |
| Styrene | < 12500 | ug/L | 10/1/2018 12:56 |
| tert-Butylbenzene | < 5000 | ug/L | 10/1/2018 12:56 |
| Tetrachloroethene | < 5000 | ug/L | 10/1/2018 12:56 |
| Toluene | < 5000 | ug/L | 10/1/2018 12:56 |
| trans-1,2-Dichloroethene | < 5000 | ug/L | 10/1/2018 12:56 |
| trans-1,3-Dichloropropene | < 5000 | ug/L | 10/1/2018 12:56 |

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Report Prepared Thursday, October 11, 2018

mpe 11/9/18



PARADIGM

ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 184415

Client: **BE3**

Project Reference: **31 + 150 Tonawanda**

Sample Identifier: **31-MW-3**

Lab Sample ID: **184415-03**

Date Sampled: **9/24/2018**

Matrix: **Groundwater**

Date Received: **9/25/2018**

| | | | | |
|------------------------|-------------------------|---------------|-----------------|----------------------|
| Trichloroethene | < 5000 | ug/L | | 10/1/2018 12:56 |
| Trichlorofluoromethane | < 5000 | ug/L | | 10/1/2018 12:56 |
| Vinyl chloride | 5080 | ug/L | | 10/1/2018 12:56 |
| Surrogate | Percent Recovery | Limits | Outliers | Date Analyzed |
| 1,2-Dichloroethane-d4 | 98.4 | 80.7 - 121 | | 10/1/2018 12:56 |
| 4-Bromofluorobenzene | 84.1 | 74.3 - 121 | | 10/1/2018 12:56 |
| Pentafluorobenzene | 99.9 | 86.2 - 111 | | 10/1/2018 12:56 |
| Toluene-D8 | 92.4 | 86.2 - 112 | | 10/1/2018 12:56 |

Method Reference(s): **EPA 8260C**

EPA 5030C

Data File: **x54669.D**

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Report Prepared Thursday, October 11, 2018



PARADIGM

ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 184415

Client: **BE3**

Project Reference: 31 + 150 Tonawanda

Sample Identifier: 31-MW-4

Lab Sample ID: 184415-04

Date Sampled: 9/24/2018

Matrix: Groundwater

Date Received: 9/25/2018

Volatile Organics

| Analyte | Result | Units | Qualifier | Date Analyzed |
|-----------------------------|------------------|-------|-----------|-----------------|
| 1,1,1-Trichloroethane | < 2.00 | ug/L | | 9/28/2018 19:55 |
| 1,1,2,2-Tetrachloroethane | < 2.00 | ug/L | | 9/28/2018 19:55 |
| 1,1,2-Trichloroethane | < 2.00 | ug/L | | 9/28/2018 19:55 |
| 1,1-Dichloroethane | 1.63 | ug/L | J | 9/28/2018 19:55 |
| 1,1-Dichloroethene | < 2.00 | ug/L | | 9/28/2018 19:55 |
| 1,2,3-Trichlorobenzene | < 5.00 | ug/L | | 9/28/2018 19:55 |
| 1,2,4-Trichlorobenzene | < 5.00 | ug/L | | 9/28/2018 19:55 |
| 1,2,4-Trimethylbenzene | < 2.00 | ug/L | | 9/28/2018 19:55 |
| 1,2-Dibromo-3-Chloropropane | < 10.0 | ug/L | | 9/28/2018 19:55 |
| 1,2-Dibromoethane | < 2.00 | ug/L | | 9/28/2018 19:55 |
| 1,2-Dichlorobenzene | < 2.00 | ug/L | | 9/28/2018 19:55 |
| 1,2-Dichloroethane | < 2.00 | ug/L | | 9/28/2018 19:55 |
| 1,2-Dichloropropane | < 2.00 | ug/L | | 9/28/2018 19:55 |
| 1,3,5-Trimethylbenzene | < 2.00 | ug/L | | 9/28/2018 19:55 |
| 1,3-Dichlorobenzene | < 2.00 | ug/L | | 9/28/2018 19:55 |
| 1,4-Dichlorobenzene | < 2.00 | ug/L | | 9/28/2018 19:55 |
| 1,4-Dioxane | < 20.0 | ug/L | | 9/28/2018 19:55 |
| 2-Butanone | < 10.0 | ug/L | | 9/28/2018 19:55 |
| 2-Hexanone | < 5.00 <i>WJ</i> | ug/L | | 9/28/2018 19:55 |
| 4-Methyl-2-pentanone | < 5.00 | ug/L | | 9/28/2018 19:55 |
| Acetone | 5.94 | ug/L | J | 9/28/2018 19:55 |
| Benzene | < 1.00 | ug/L | | 9/28/2018 19:55 |
| Bromochloromethane | < 5.00 | ug/L | | 9/28/2018 19:55 |
| Bromodichloromethane | < 2.00 | ug/L | | 9/28/2018 19:55 |
| Bromoform | < 5.00 | ug/L | | 9/28/2018 19:55 |
| Bromomethane | < 2.00 | ug/L | | 9/28/2018 19:55 |
| Carbon disulfide | < 2.00 | ug/L | | 9/28/2018 19:55 |

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Report Prepared Thursday, October 11, 2018

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PARADIGM

ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 184415

Client: **BE3**

Project Reference: 31 + 150 Tonawanda

| | | | |
|---------------------------|-------------|----------------|-----------------|
| Sample Identifier: | 31-MW-4 | | |
| Lab Sample ID: | 184415-04 | Date Sampled: | 9/24/2018 |
| Matrix: | Groundwater | Date Received: | 9/25/2018 |
| Carbon Tetrachloride | < 2.00 | ug/L | 9/28/2018 19:55 |
| Chlorobenzene | < 2.00 | ug/L | 9/28/2018 19:55 |
| Chloroethane | < 2.00 | ug/L | 9/28/2018 19:55 |
| Chloroform | < 2.00 | ug/L | 9/28/2018 19:55 |
| Chloromethane | < 2.00 | ug/L | 9/28/2018 19:55 |
| cis-1,2-Dichloroethene | 5.26 | ug/L | 9/28/2018 19:55 |
| cis-1,3-Dichloropropene | < 2.00 | ug/L | 9/28/2018 19:55 |
| Cyclohexane | < 10.0 | ug/L | 9/28/2018 19:55 |
| Dibromochloromethane | < 2.00 | ug/L | 9/28/2018 19:55 |
| Dichlorodifluoromethane | < 2.00 | ug/L | 9/28/2018 19:55 |
| Ethylbenzene | < 2.00 | ug/L | 9/28/2018 19:55 |
| Freon 113 | < 2.00 | ug/L | 9/28/2018 19:55 |
| Isopropylbenzene | < 2.00 | ug/L | 9/28/2018 19:55 |
| m,p-Xylene | < 2.00 | ug/L | 9/28/2018 19:55 |
| Methyl acetate | < 2.00 | ug/L | 9/28/2018 19:55 |
| Methyl tert-butyl Ether | < 2.00 | ug/L | 9/28/2018 19:55 |
| Methylcyclohexane | < 2.00 | ug/L | 9/28/2018 19:55 |
| Methylene chloride | < 5.00 | ug/L | 9/28/2018 19:55 |
| Naphthalene | < 5.00 | ug/L | 9/28/2018 19:55 |
| n-Butylbenzene | < 2.00 | ug/L | 9/28/2018 19:55 |
| n-Propylbenzene | < 2.00 | ug/L | 9/28/2018 19:55 |
| o-Xylene | < 2.00 | ug/L | 9/28/2018 19:55 |
| p-Isopropyltoluene | < 2.00 | ug/L | 9/28/2018 19:55 |
| sec-Butylbenzene | < 2.00 | ug/L | 9/28/2018 19:55 |
| Styrene | < 5.00 | ug/L | 9/28/2018 19:55 |
| tert-Butylbenzene | < 2.00 | ug/L | 9/28/2018 19:55 |
| Tetrachloroethene | < 2.00 | ug/L | 9/28/2018 19:55 |
| Toluene | < 2.00 | ug/L | 9/28/2018 19:55 |
| trans-1,2-Dichloroethene | < 2.00 | ug/L | 9/28/2018 19:55 |
| trans-1,3-Dichloropropene | < 2.00 | ug/L | 9/28/2018 19:55 |

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Report Prepared Thursday, October 11, 2018



PARADIGM

ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 184415

Client: **BE3**

Project Reference: 31 + 150 Tonawanda

Sample Identifier: 31-MW-4

Lab Sample ID: 184415-04

Date Sampled: 9/24/2018

Matrix: Groundwater

Date Received: 9/25/2018

| | | | | |
|------------------------|--------|------|---|-----------------|
| Trichloroethene | 4.32 | ug/L | | 9/28/2018 19:55 |
| Trichlorofluoromethane | < 2.00 | ug/L | | 9/28/2018 19:55 |
| Vinyl chloride | 1.69 | ug/L | J | 9/28/2018 19:55 |

| Surrogate | Percent Recovery | Limits | Outliers | Date Analyzed |
|-----------------------|------------------|------------|----------|-----------------|
| 1,2-Dichloroethane-d4 | 109 | 80.7 - 121 | | 9/28/2018 19:55 |
| 4-Bromofluorobenzene | 86.5 | 74.3 - 121 | | 9/28/2018 19:55 |
| Pentafluorobenzene | 89.6 | 86.2 - 111 | | 9/28/2018 19:55 |
| Toluene-D8 | 88.3 | 86.2 - 112 | | 9/28/2018 19:55 |

Method Reference(s): EPA 8260C

EPA 5030C

Data File: x54647.D

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Report Prepared Thursday, October 11, 2018



PARADIGM

ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 184415

Client: **BE3**

Project Reference: 31 + 150 Tonawanda

Sample Identifier: 31-MW-5

Lab Sample ID: 184415-05

Date Sampled: 9/24/2018

Matrix: Groundwater

Date Received: 9/25/2018

Volatile Organics

| Analyte | Result | Units | Qualifier | Date Analyzed |
|-----------------------------|--------|-------|-----------|-----------------|
| 1,1,1-Trichloroethane | < 2.00 | ug/L | | 9/28/2018 21:05 |
| 1,1,2,2-Tetrachloroethane | < 2.00 | ug/L | | 9/28/2018 21:05 |
| 1,1,2-Trichloroethane | < 2.00 | ug/L | | 9/28/2018 21:05 |
| 1,1-Dichloroethane | 3.52 | ug/L | | 9/28/2018 21:05 |
| 1,1-Dichloroethene | < 2.00 | ug/L | | 9/28/2018 21:05 |
| 1,2,3-Trichlorobenzene | < 5.00 | ug/L | | 9/28/2018 21:05 |
| 1,2,4-Trichlorobenzene | < 5.00 | ug/L | | 9/28/2018 21:05 |
| 1,2,4-Trimethylbenzene | 3.03 | ug/L | | 9/28/2018 21:05 |
| 1,2-Dibromo-3-Chloropropane | < 10.0 | ug/L | | 9/28/2018 21:05 |
| 1,2-Dibromoethane | < 2.00 | ug/L | | 9/28/2018 21:05 |
| 1,2-Dichlorobenzene | < 2.00 | ug/L | | 9/28/2018 21:05 |
| 1,2-Dichloroethane | < 2.00 | ug/L | | 9/28/2018 21:05 |
| 1,2-Dichloropropane | < 2.00 | ug/L | | 9/28/2018 21:05 |
| 1,3,5-Trimethylbenzene | 1.15 | ug/L | J | 9/28/2018 21:05 |
| 1,3-Dichlorobenzene | < 2.00 | ug/L | | 9/28/2018 21:05 |
| 1,4-Dichlorobenzene | < 2.00 | ug/L | | 9/28/2018 21:05 |
| 1,4-Dioxane | 49.4 | ug/L | | 9/28/2018 21:05 |
| 2-Butanone | < 10.0 | ug/L | | 9/28/2018 21:05 |
| 2-Hexanone | < 5.00 | ug/L | | 9/28/2018 21:05 |
| 4-Methyl-2-pentanone | < 5.00 | ug/L | | 9/28/2018 21:05 |
| Acetone | 17.5 | ug/L | | 9/28/2018 21:05 |
| Benzene | < 1.00 | ug/L | | 9/28/2018 21:05 |
| Bromochloromethane | < 5.00 | ug/L | | 9/28/2018 21:05 |
| Bromodichloromethane | < 2.00 | ug/L | | 9/28/2018 21:05 |
| Bromoform | < 5.00 | ug/L | | 9/28/2018 21:05 |
| Bromomethane | < 2.00 | ug/L | | 9/28/2018 21:05 |
| Carbon disulfide | < 2.00 | ug/L | | 9/28/2018 21:05 |

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Report Prepared Thursday, October 11, 2018

AMP 11/9/18



PARADIGM

ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 184415

Client: **BE3**

Project Reference: 31 + 150 Tonawanda

| | | | |
|---------------------------|-------------|----------------|-----------------|
| Sample Identifier: | 31-MW-5 | | |
| Lab Sample ID: | 184415-05 | Date Sampled: | 9/24/2018 |
| Matrix: | Groundwater | Date Received: | 9/25/2018 |
| Carbon Tetrachloride | < 2.00 | ug/L | 9/28/2018 21:05 |
| Chlorobenzene | < 2.00 | ug/L | 9/28/2018 21:05 |
| Chloroethane | < 2.00 | ug/L | 9/28/2018 21:05 |
| Chloroform | < 2.00 | ug/L | 9/28/2018 21:05 |
| Chloromethane | < 2.00 | ug/L | 9/28/2018 21:05 |
| cis-1,2-Dichloroethene | < 2.00 | ug/L | 9/28/2018 21:05 |
| cis-1,3-Dichloropropene | < 2.00 | ug/L | 9/28/2018 21:05 |
| Cyclohexane | < 10.0 | ug/L | 9/28/2018 21:05 |
| Dibromochloromethane | < 2.00 | ug/L | 9/28/2018 21:05 |
| Dichlorodifluoromethane | < 2.00 | ug/L | 9/28/2018 21:05 |
| Ethylbenzene | < 2.00 | ug/L | 9/28/2018 21:05 |
| Freon 113 | < 2.00 | ug/L | 9/28/2018 21:05 |
| Isopropylbenzene | < 2.00 | ug/L | 9/28/2018 21:05 |
| m,p-Xylene | < 2.00 | ug/L | 9/28/2018 21:05 |
| Methyl acetate | < 2.00 | ug/L | 9/28/2018 21:05 |
| Methyl tert-butyl Ether | < 2.00 | ug/L | 9/28/2018 21:05 |
| Methylcyclohexane | < 2.00 | ug/L | 9/28/2018 21:05 |
| Methylene chloride | < 5.00 | ug/L | 9/28/2018 21:05 |
| Naphthalene | < 5.00 | ug/L | 9/28/2018 21:05 |
| n-Butylbenzene | < 2.00 | ug/L | 9/28/2018 21:05 |
| n-Propylbenzene | < 2.00 | ug/L | 9/28/2018 21:05 |
| o-Xylene | < 2.00 | ug/L | 9/28/2018 21:05 |
| p-Isopropyltoluene | < 2.00 | ug/L | 9/28/2018 21:05 |
| sec-Butylbenzene | < 2.00 | ug/L | 9/28/2018 21:05 |
| Styrene | < 5.00 | ug/L | 9/28/2018 21:05 |
| tert-Butylbenzene | < 2.00 | ug/L | 9/28/2018 21:05 |
| Tetrachloroethene | < 2.00 | ug/L | 9/28/2018 21:05 |
| Toluene | < 2.00 | ug/L | 9/28/2018 21:05 |
| trans-1,2-Dichloroethene | < 2.00 | ug/L | 9/28/2018 21:05 |
| trans-1,3-Dichloropropene | < 2.00 | ug/L | 9/28/2018 21:05 |

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Report Prepared Thursday, October 11, 2018



PARADIGM

ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 184415

Client: BE3

Project Reference: 31 + 150 Tonawanda

Sample Identifier: 31-MW-5

Lab Sample ID: 184415-05

Date Sampled: 9/24/2018

Matrix: Groundwater

Date Received: 9/25/2018

| | | | | |
|------------------------|--------|------|---|-----------------|
| Trichloroethene | 1.69 | ug/L | J | 9/28/2018 21:05 |
| Trichlorofluoromethane | < 2.00 | ug/L | | 9/28/2018 21:05 |
| Vinyl chloride | < 2.00 | ug/L | | 9/28/2018 21:05 |

| Surrogate | Percent Recovery | Limits | Outliers | Date Analyzed |
|-----------------------|------------------|------------|----------|-----------------|
| 1,2-Dichloroethane-d4 | 112 | 80.7 - 121 | | 9/28/2018 21:05 |
| 4-Bromofluorobenzene | 88.0 | 74.3 - 121 | | 9/28/2018 21:05 |
| Pentafluorobenzene | 92.0 | 86.2 - 111 | | 9/28/2018 21:05 |
| Toluene-D8 | 88.7 | 86.2 - 112 | | 9/28/2018 21:05 |

Method Reference(s): EPA 8260C

EPA 5030C

Data File: x54650.D

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Report Prepared Thursday, October 11, 2018



PARADIGM

ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 184415

Client: BE3

Project Reference: 31 + 150 Tonawanda

Sample Identifier: 31-MW-5

Lab Sample ID: 184415-05

Date Sampled: 9/24/2018

Matrix: Groundwater

Date Received: 9/25/2018

Volatile Tentatively Identified Compounds

| <u>Tentatively Identified Compound</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|--|---------------|--------------|------------------|----------------------|
| Chlorodifluoromethane | 518 JN | ug/L | | 9/28/2018 |
| Total Reported TICS | 518 | ug/L | | 9/28/2018 |
| Method Reference(s): | EPA 8260C | | | |
| | EPA 5030C | | | |

Tentatively Identified Compound results are estimated values, based on Internal Standard response factors.

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Report Prepared Thursday, October 11, 2018



PARADIGM

ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 184415

Client: **BE3**

Project Reference: 31 + 150 Tonawanda

Sample Identifier: Trip Blank T860

Lab Sample ID: 184415-06

Date Sampled: 9/18/2018

Matrix: Water

Date Received: 9/25/2018

Volatile Organics

| Analyte | Result | Units | Qualifier | Date Analyzed |
|-----------------------------|--------|-------|-----------|-----------------|
| 1,1,1-Trichloroethane | < 2.00 | ug/L | | 9/28/2018 19:32 |
| 1,1,2,2-Tetrachloroethane | < 2.00 | ug/L | | 9/28/2018 19:32 |
| 1,1,2-Trichloroethane | < 2.00 | ug/L | | 9/28/2018 19:32 |
| 1,1-Dichloroethane | < 2.00 | ug/L | | 9/28/2018 19:32 |
| 1,1-Dichloroethene | < 2.00 | ug/L | | 9/28/2018 19:32 |
| 1,2,3-Trichlorobenzene | < 5.00 | ug/L | | 9/28/2018 19:32 |
| 1,2,4-Trichlorobenzene | < 5.00 | ug/L | | 9/28/2018 19:32 |
| 1,2,4-Trimethylbenzene | < 2.00 | ug/L | | 9/28/2018 19:32 |
| 1,2-Dibromo-3-Chloropropane | < 10.0 | ug/L | | 9/28/2018 19:32 |
| 1,2-Dibromoethane | < 2.00 | ug/L | | 9/28/2018 19:32 |
| 1,2-Dichlorobenzene | < 2.00 | ug/L | | 9/28/2018 19:32 |
| 1,2-Dichloroethane | < 2.00 | ug/L | | 9/28/2018 19:32 |
| 1,2-Dichloropropane | < 2.00 | ug/L | | 9/28/2018 19:32 |
| 1,3,5-Trimethylbenzene | < 2.00 | ug/L | | 9/28/2018 19:32 |
| 1,3-Dichlorobenzene | < 2.00 | ug/L | | 9/28/2018 19:32 |
| 1,4-Dichlorobenzene | < 2.00 | ug/L | | 9/28/2018 19:32 |
| 1,4-Dioxane | < 20.0 | ug/L | | 9/28/2018 19:32 |
| 2-Butanone | < 10.0 | ug/L | | 9/28/2018 19:32 |
| 2-Hexanone | < 5.00 | ug/L | | 9/28/2018 19:32 |
| 4-Methyl-2-pentanone | < 5.00 | ug/L | | 9/28/2018 19:32 |
| Acetone | < 10.0 | ug/L | | 9/28/2018 19:32 |
| Benzene | < 1.00 | ug/L | | 9/28/2018 19:32 |
| Bromochloromethane | < 5.00 | ug/L | | 9/28/2018 19:32 |
| Bromodichloromethane | < 2.00 | ug/L | | 9/28/2018 19:32 |
| Bromoform | < 5.00 | ug/L | | 9/28/2018 19:32 |
| Bromomethane | < 2.00 | ug/L | | 9/28/2018 19:32 |
| Carbon disulfide | < 2.00 | ug/L | | 9/28/2018 19:32 |

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Report Prepared Thursday, October 11, 2018



PARADIGM

ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 184415

Client: **BE3**

Project Reference: 31 + 150 Tonawanda

Sample Identifier: Trip Blank T860

Lab Sample ID: 184415-06

Date Sampled: 9/18/2018

Matrix: Water

Date Received: 9/25/2018

| | | | |
|---------------------------|--------|------|-----------------|
| Carbon Tetrachloride | < 2.00 | ug/L | 9/28/2018 19:32 |
| Chlorobenzene | < 2.00 | ug/L | 9/28/2018 19:32 |
| Chloroethane | < 2.00 | ug/L | 9/28/2018 19:32 |
| Chloroform | < 2.00 | ug/L | 9/28/2018 19:32 |
| Chloromethane | < 2.00 | ug/L | 9/28/2018 19:32 |
| cis-1,2-Dichloroethene | < 2.00 | ug/L | 9/28/2018 19:32 |
| cis-1,3-Dichloropropene | < 2.00 | ug/L | 9/28/2018 19:32 |
| Cyclohexane | < 10.0 | ug/L | 9/28/2018 19:32 |
| Dibromochloromethane | < 2.00 | ug/L | 9/28/2018 19:32 |
| Dichlorodifluoromethane | < 2.00 | ug/L | 9/28/2018 19:32 |
| Ethylbenzene | < 2.00 | ug/L | 9/28/2018 19:32 |
| Freon 113 | < 2.00 | ug/L | 9/28/2018 19:32 |
| Isopropylbenzene | < 2.00 | ug/L | 9/28/2018 19:32 |
| m,p-Xylene | < 2.00 | ug/L | 9/28/2018 19:32 |
| Methyl acetate | < 2.00 | ug/L | 9/28/2018 19:32 |
| Methyl tert-butyl Ether | < 2.00 | ug/L | 9/28/2018 19:32 |
| Methylcyclohexane | < 2.00 | ug/L | 9/28/2018 19:32 |
| Methylene chloride | < 5.00 | ug/L | 9/28/2018 19:32 |
| Naphthalene | < 5.00 | ug/L | 9/28/2018 19:32 |
| n-Butylbenzene | < 2.00 | ug/L | 9/28/2018 19:32 |
| n-Propylbenzene | < 2.00 | ug/L | 9/28/2018 19:32 |
| o-Xylene | < 2.00 | ug/L | 9/28/2018 19:32 |
| p-Isopropyltoluene | < 2.00 | ug/L | 9/28/2018 19:32 |
| sec-Butylbenzene | < 2.00 | ug/L | 9/28/2018 19:32 |
| Styrene | < 5.00 | ug/L | 9/28/2018 19:32 |
| tert-Butylbenzene | < 2.00 | ug/L | 9/28/2018 19:32 |
| Tetrachloroethene | < 2.00 | ug/L | 9/28/2018 19:32 |
| Toluene | < 2.00 | ug/L | 9/28/2018 19:32 |
| trans-1,2-Dichloroethene | < 2.00 | ug/L | 9/28/2018 19:32 |
| trans-1,3-Dichloropropene | < 2.00 | ug/L | 9/28/2018 19:32 |

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Report Prepared Thursday, October 11, 2018



PARADIGM

ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 184415

Client: BE3

Project Reference: 31 + 150 Tonawanda

| | | | | | |
|------------------------|------------------|------------|----------------|---------------|-------|
| Sample Identifier: | Trip Blank T860 | | Date Sampled: | 9/18/2018 | |
| Lab Sample ID: | 184415-06 | | Date Received: | 9/25/2018 | |
| Matrix: | Water | | | | |
| Trichloroethene | < 2.00 | ug/L | | 9/28/2018 | 19:32 |
| Trichlorofluoromethane | < 2.00 | ug/L | | 9/28/2018 | 19:32 |
| Vinyl chloride | < 2.00 | ug/L | | 9/28/2018 | 19:32 |
| Surrogate | Percent Recovery | Limits | Outliers | Date Analyzed | |
| 1,2-Dichloroethane-d4 | 111 | 80.7 - 121 | | 9/28/2018 | 19:32 |
| 4-Bromofluorobenzene | 79.6 | 74.3 - 121 | | 9/28/2018 | 19:32 |
| Pentafluorobenzene | 92.6 | 86.2 - 111 | | 9/28/2018 | 19:32 |
| Toluene-D8 | 86.9 | 86.2 - 112 | | 9/28/2018 | 19:32 |
| Method Reference(s): | EPA 8260C | | | | |
| | EPA 5030C | | | | |
| Data File: | x54646.D | | | | |

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Report Prepared Thursday, October 11, 2018



PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 184415

Client: **BE3**

Project Reference: 31 + 150 Tonawanda

Sample Identifier: Trip Blank T860

Lab Sample ID: 184415-06

Date Sampled: 9/18/2018

Matrix: Water

Date Received: 9/25/2018

Volatile Tentatively Identified Compounds

Tentatively Identified Compound

Unknown Siloxane

Total Reported TICS

Result

~~5.94~~ R

5.94

Units

ug/L

ug/L

Qualifier

Date Analyzed

9/28/2018

9/28/2018

Method Reference(s): EPA 8260C

EPA 5030C

Tentatively Identified Compound results are estimated values, based on Internal Standard response factors.

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Report Prepared Thursday, October 11, 2018

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PARADIGM

ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 184415

Client: **BE3**

Project Reference: 31 + 150 Tonawanda

Sample Identifier: 31-MW-2

Lab Sample ID: 184415-01

Date Sampled: 9/24/2018

Matrix: Groundwater

Date Received: 9/25/2018

| | | | |
|------------------------------|------------------|------|-----------------|
| 4-Chloroaniline | < 10.0 | ug/L | 10/2/2018 21:24 |
| 4-Chlorophenyl phenyl ether | < 10.0 | ug/L | 10/2/2018 21:24 |
| 4-Nitroaniline | < 20.0 | ug/L | 10/2/2018 21:24 |
| 4-Nitrophenol | < 20.0 | ug/L | 10/2/2018 21:24 |
| Acenaphthene | < 10.0 | ug/L | 10/2/2018 21:24 |
| Acenaphthylene | < 10.0 | ug/L | 10/2/2018 21:24 |
| Acetophenone | < 10.0 | ug/L | 10/2/2018 21:24 |
| Anthracene | < 10.0 | ug/L | 10/2/2018 21:24 |
| Atrazine | < 10.0 <i>WJ</i> | ug/L | 10/2/2018 21:24 |
| Benzaldehyde | < 10.0 | ug/L | 10/2/2018 21:24 |
| Benzo (a) anthracene | < 10.0 | ug/L | 10/2/2018 21:24 |
| Benzo (a) pyrene | < 10.0 | ug/L | 10/2/2018 21:24 |
| Benzo (b) fluoranthene | < 10.0 | ug/L | 10/2/2018 21:24 |
| Benzo (g,h,i) perylene | < 10.0 | ug/L | 10/2/2018 21:24 |
| Benzo (k) fluoranthene | < 10.0 | ug/L | 10/2/2018 21:24 |
| Bis (2-chloroethoxy) methane | < 10.0 | ug/L | 10/2/2018 21:24 |
| Bis (2-chloroethyl) ether | < 10.0 | ug/L | 10/2/2018 21:24 |
| Bis (2-ethylhexyl) phthalate | < 10.0 | ug/L | 10/2/2018 21:24 |
| Butylbenzylphthalate | < 10.0 | ug/L | 10/2/2018 21:24 |
| Caprolactam | < 10.0 | ug/L | 10/2/2018 21:24 |
| Carbazole | < 10.0 | ug/L | 10/2/2018 21:24 |
| Chrysene | < 10.0 | ug/L | 10/2/2018 21:24 |
| Dibenz (a,h) anthracene | < 10.0 | ug/L | 10/2/2018 21:24 |
| Dibenzofuran | < 10.0 | ug/L | 10/2/2018 21:24 |
| Diethyl phthalate | < 10.0 | ug/L | 10/2/2018 21:24 |
| Dimethyl phthalate | < 20.0 | ug/L | 10/2/2018 21:24 |
| Di-n-butyl phthalate | < 10.0 | ug/L | 10/2/2018 21:24 |
| Di-n-octylphthalate | < 10.0 | ug/L | 10/2/2018 21:24 |
| Fluoranthene | < 10.0 | ug/L | 10/2/2018 21:24 |
| Fluorene | < 10.0 | ug/L | 10/2/2018 21:24 |

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Report Prepared Thursday, October 11, 2018

10/11/18



PARADIGM

ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 184415

Client: **BE3**

Project Reference: 31 + 150 Tonawanda

| | | | |
|------------------------------|-------------|----------------|-----------------|
| Sample Identifier: | 31-MW-1 | Date Sampled: | 9/24/2018 |
| Lab Sample ID: | 184415-02 | Date Received: | 9/25/2018 |
| Matrix: | Groundwater | | |
| 4-Chloroaniline | < 10.0 | ug/L | 10/2/2018 21:54 |
| 4-Chlorophenyl phenyl ether | < 10.0 | ug/L | 10/2/2018 21:54 |
| 4-Nitroaniline | < 20.0 | ug/L | 10/2/2018 21:54 |
| 4-Nitrophenol | < 20.0 | ug/L | 10/2/2018 21:54 |
| Acenaphthene | < 10.0 | ug/L | 10/2/2018 21:54 |
| Acenaphthylene | < 10.0 | ug/L | 10/2/2018 21:54 |
| Acetophenone | < 10.0 | ug/L | 10/2/2018 21:54 |
| Anthracene | < 10.0 | ug/L | 10/2/2018 21:54 |
| Atrazine | < 10.0 | ug/L | 10/2/2018 21:54 |
| Benzaldehyde | < 10.0 | ug/L | 10/2/2018 21:54 |
| Benzo (a) anthracene | < 10.0 | ug/L | 10/2/2018 21:54 |
| Benzo (a) pyrene | < 10.0 | ug/L | 10/2/2018 21:54 |
| Benzo (b) fluoranthene | < 10.0 | ug/L | 10/2/2018 21:54 |
| Benzo (g,h,i) perylene | < 10.0 | ug/L | 10/2/2018 21:54 |
| Benzo (k) fluoranthene | < 10.0 | ug/L | 10/2/2018 21:54 |
| Bis (2-chloroethoxy) methane | < 10.0 | ug/L | 10/2/2018 21:54 |
| Bis (2-chloroethyl) ether | < 10.0 | ug/L | 10/2/2018 21:54 |
| Bis (2-ethylhexyl) phthalate | < 10.0 | ug/L | 10/2/2018 21:54 |
| Butylbenzylphthalate | < 10.0 | ug/L | 10/2/2018 21:54 |
| Caprolactam | < 10.0 | ug/L | 10/2/2018 21:54 |
| Carbazole | < 10.0 | ug/L | 10/2/2018 21:54 |
| Chrysene | < 10.0 | ug/L | 10/2/2018 21:54 |
| Dibenz (a,h) anthracene | < 10.0 | ug/L | 10/2/2018 21:54 |
| Dibenzofuran | < 10.0 | ug/L | 10/2/2018 21:54 |
| Diethyl phthalate | < 10.0 | ug/L | 10/2/2018 21:54 |
| Dimethyl phthalate | < 20.0 | ug/L | 10/2/2018 21:54 |
| Di-n-butyl phthalate | < 10.0 | ug/L | 10/2/2018 21:54 |
| Di-n-octylphthalate | < 10.0 | ug/L | 10/2/2018 21:54 |
| Fluoranthene | < 10.0 | ug/L | 10/2/2018 21:54 |
| Fluorene | < 10.0 | ug/L | 10/2/2018 21:54 |

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Report Prepared Thursday, October 11, 2018

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PARADIGM

ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 184415

Client: **BE3**

Project Reference: 31 + 150 Tonawanda

Sample Identifier: 31-MW-3

Lab Sample ID: 184415-03

Date Sampled: 9/24/2018

Matrix: Groundwater

Date Received: 9/25/2018

| | | | |
|------------------------------|----------------------|------|-------------------|
| 4-Chloroaniline | < 10.0 | ug/L | 10/2/2018 22:23 |
| 4-Chlorophenyl phenyl ether | < 10.0 | ug/L | 10/2/2018 22:23 |
| 4-Nitroaniline | < 20.0 | ug/L | 10/2/2018 22:23 |
| 4-Nitrophenol | < 20.0 | ug/L | 10/2/2018 22:23 |
| Acenaphthene | < 10.0 | ug/L | M 10/2/2018 22:23 |
| Acenaphthylene | < 10.0 | ug/L | 10/2/2018 22:23 |
| Acetophenone | < 10.0 | ug/L | 10/2/2018 22:23 |
| Anthracene | < 10.0 | ug/L | 10/2/2018 22:23 |
| Atrazine | < 10.0 ^{uL} | ug/L | 10/2/2018 22:23 |
| Benzaldehyde | < 10.0 | ug/L | 10/2/2018 22:23 |
| Benzo (a) anthracene | < 10.0 | ug/L | 10/2/2018 22:23 |
| Benzo (a) pyrene | < 10.0 | ug/L | 10/2/2018 22:23 |
| Benzo (b) fluoranthene | < 10.0 | ug/L | 10/2/2018 22:23 |
| Benzo (g,h,i) perylene | < 10.0 | ug/L | 10/2/2018 22:23 |
| Benzo (k) fluoranthene | < 10.0 | ug/L | 10/2/2018 22:23 |
| Bis (2-chloroethoxy) methane | < 10.0 | ug/L | 10/2/2018 22:23 |
| Bis (2-chloroethyl) ether | < 10.0 | ug/L | 10/2/2018 22:23 |
| Bis (2-ethylhexyl) phthalate | 49.2 | ug/L | 10/2/2018 22:23 |
| Butylbenzylphthalate | < 10.0 | ug/L | 10/2/2018 22:23 |
| Caprolactam | < 10.0 | ug/L | 10/2/2018 22:23 |
| Carbazole | < 10.0 | ug/L | 10/2/2018 22:23 |
| Chrysene | < 10.0 | ug/L | 10/2/2018 22:23 |
| Dibenz (a,h) anthracene | < 10.0 | ug/L | 10/2/2018 22:23 |
| Dibenzofuran | < 10.0 | ug/L | 10/2/2018 22:23 |
| Diethyl phthalate | < 10.0 | ug/L | 10/2/2018 22:23 |
| Dimethyl phthalate | < 20.0 | ug/L | 10/2/2018 22:23 |
| Di-n-butyl phthalate | < 10.0 | ug/L | 10/2/2018 22:23 |
| Di-n-octylphthalate | < 10.0 | ug/L | 10/2/2018 22:23 |
| Fluoranthene | < 10.0 | ug/L | 10/2/2018 22:23 |
| Fluorene | < 10.0 | ug/L | 10/2/2018 22:23 |

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Report Prepared Thursday, October 11, 2018



PARADIGM

ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 184415

Client: **BE3**

Project Reference: 31 + 150 Tonawanda

| | | | |
|------------------------------|------------------|----------------|-----------------|
| Sample Identifier: | 31-MW-4 | | |
| Lab Sample ID: | 184415-04 | Date Sampled: | 9/24/2018 |
| Matrix: | Groundwater | Date Received: | 9/25/2018 |
| 4-Chloroaniline | < 10.0 | ug/L | 10/2/2018 23:52 |
| 4-Chlorophenyl phenyl ether | < 10.0 | ug/L | 10/2/2018 23:52 |
| 4-Nitroaniline | < 20.0 | ug/L | 10/2/2018 23:52 |
| 4-Nitrophenol | < 20.0 | ug/L | 10/2/2018 23:52 |
| Acenaphthene | < 10.0 | ug/L | 10/2/2018 23:52 |
| Acenaphthylene | < 10.0 | ug/L | 10/2/2018 23:52 |
| Acetophenone | < 10.0 | ug/L | 10/2/2018 23:52 |
| Anthracene | < 10.0 | ug/L | 10/2/2018 23:52 |
| Atrazine | < 10.0 <i>MS</i> | ug/L | 10/2/2018 23:52 |
| Benzaldehyde | < 10.0 | ug/L | 10/2/2018 23:52 |
| Benzo (a) anthracene | < 10.0 | ug/L | 10/2/2018 23:52 |
| Benzo (a) pyrene | < 10.0 | ug/L | 10/2/2018 23:52 |
| Benzo (b) fluoranthene | < 10.0 | ug/L | 10/2/2018 23:52 |
| Benzo (g,h,i) perylene | < 10.0 | ug/L | 10/2/2018 23:52 |
| Benzo (k) fluoranthene | < 10.0 | ug/L | 10/2/2018 23:52 |
| Bis (2-chloroethoxy) methane | < 10.0 | ug/L | 10/2/2018 23:52 |
| Bis (2-chloroethyl) ether | < 10.0 | ug/L | 10/2/2018 23:52 |
| Bis (2-ethylhexyl) phthalate | < 10.0 | ug/L | 10/2/2018 23:52 |
| Butylbenzylphthalate | < 10.0 | ug/L | 10/2/2018 23:52 |
| Caprolactam | < 10.0 | ug/L | 10/2/2018 23:52 |
| Carbazole | < 10.0 | ug/L | 10/2/2018 23:52 |
| Chrysene | < 10.0 | ug/L | 10/2/2018 23:52 |
| Dibenz (a,h) anthracene | < 10.0 | ug/L | 10/2/2018 23:52 |
| Dibenzofuran | < 10.0 | ug/L | 10/2/2018 23:52 |
| Diethyl phthalate | < 10.0 | ug/L | 10/2/2018 23:52 |
| Dimethyl phthalate | < 20.0 | ug/L | 10/2/2018 23:52 |
| Di-n-butyl phthalate | < 10.0 | ug/L | 10/2/2018 23:52 |
| Di-n-octylphthalate | < 10.0 | ug/L | 10/2/2018 23:52 |
| Fluoranthene | < 10.0 | ug/L | 10/2/2018 23:52 |
| Fluorene | < 10.0 | ug/L | 10/2/2018 23:52 |

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Report Prepared Thursday, October 11, 2018



PARADIGM

ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 184415

Client: **BE3**

Project Reference: **31 + 150 Tonawanda**

Sample Identifier: **31-MW-5**

Lab Sample ID: **184415-05**

Date Sampled: **9/24/2018**

Matrix: **Groundwater**

Date Received: **9/25/2018**

| | | | |
|------------------------------|------------------|------|-----------------|
| 4-Chloroaniline | < 10.0 | ug/L | 10/3/2018 00:21 |
| 4-Chlorophenyl phenyl ether | < 10.0 | ug/L | 10/3/2018 00:21 |
| 4-Nitroaniline | < 20.0 | ug/L | 10/3/2018 00:21 |
| 4-Nitrophenol | < 20.0 | ug/L | 10/3/2018 00:21 |
| Acenaphthene | < 10.0 | ug/L | 10/3/2018 00:21 |
| Acenaphthylene | < 10.0 | ug/L | 10/3/2018 00:21 |
| Acetophenone | < 10.0 | ug/L | 10/3/2018 00:21 |
| Anthracene | < 10.0 | ug/L | 10/3/2018 00:21 |
| Atrazine | < 10.0 <i>MS</i> | ug/L | 10/3/2018 00:21 |
| Benzaldehyde | < 10.0 | ug/L | 10/3/2018 00:21 |
| Benzo (a) anthracene | < 10.0 | ug/L | 10/3/2018 00:21 |
| Benzo (a) pyrene | < 10.0 | ug/L | 10/3/2018 00:21 |
| Benzo (b) fluoranthene | < 10.0 | ug/L | 10/3/2018 00:21 |
| Benzo (g,h,i) perylene | < 10.0 | ug/L | 10/3/2018 00:21 |
| Benzo (k) fluoranthene | < 10.0 | ug/L | 10/3/2018 00:21 |
| Bis (2-chloroethoxy) methane | < 10.0 | ug/L | 10/3/2018 00:21 |
| Bis (2-chloroethyl) ether | < 10.0 | ug/L | 10/3/2018 00:21 |
| Bis (2-ethylhexyl) phthalate | < 10.0 | ug/L | 10/3/2018 00:21 |
| Butylbenzylphthalate | < 10.0 | ug/L | 10/3/2018 00:21 |
| Caprolactam | < 10.0 | ug/L | 10/3/2018 00:21 |
| Carbazole | < 10.0 | ug/L | 10/3/2018 00:21 |
| Chrysene | < 10.0 | ug/L | 10/3/2018 00:21 |
| Dibenz (a,h) anthracene | < 10.0 | ug/L | 10/3/2018 00:21 |
| Dibenzofuran | < 10.0 | ug/L | 10/3/2018 00:21 |
| Diethyl phthalate | < 10.0 | ug/L | 10/3/2018 00:21 |
| Dimethyl phthalate | < 20.0 | ug/L | 10/3/2018 00:21 |
| Di-n-butyl phthalate | < 10.0 | ug/L | 10/3/2018 00:21 |
| Di-n-octylphthalate | < 10.0 | ug/L | 10/3/2018 00:21 |
| Fluoranthene | < 10.0 | ug/L | 10/3/2018 00:21 |
| Fluorene | < 10.0 | ug/L | 10/3/2018 00:21 |

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Report Prepared Thursday, October 11, 2018



PARADIGM

ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 184415

Client: BE3

Project Reference: 31 + 150 Tonawanda

Sample Identifier: 31-MW-2

Lab Sample ID: 184415-01

Date Sampled: 9/24/2018

Matrix: Groundwater

Date Received: 9/25/2018

Chlorinated Pesticides

| Analyte | Result | Units | Qualifier | Date Analyzed |
|---------------------|-------------------------|-------|-----------|-----------------|
| 4,4-DDD | < 0.100 | ug/L | | 9/26/2018 16:26 |
| 4,4-DDE | < 0.100 | ug/L | | 9/26/2018 16:26 |
| 4,4-DDT | < 0.100 | ug/L | | 9/26/2018 16:26 |
| Aldrin | < 0.100 | ug/L | | 9/26/2018 16:26 |
| alpha-BHC | < 0.100 | ug/L | | 9/26/2018 16:26 |
| beta-BHC | < 0.100 | ug/L | | 9/26/2018 16:26 |
| cis-Chlordane | < 0.100 | ug/L | | 9/26/2018 16:26 |
| delta-BHC | < 0.100 | ug/L | | 9/26/2018 16:26 |
| Dieldrin | < 0.100 | ug/L | | 9/26/2018 16:26 |
| Endosulfan I | < 0.100 | ug/L | | 9/26/2018 16:26 |
| Endosulfan II | < 0.100 | ug/L | | 9/26/2018 16:26 |
| Endosulfan Sulfate | < 0.100 | ug/L | | 9/26/2018 16:26 |
| Endrin | < 0.100 | ug/L | | 9/26/2018 16:26 |
| Endrin Aldehyde | < 0.100 | ug/L | | 9/26/2018 16:26 |
| Endrin Ketone | < 0.100 | ug/L | | 9/26/2018 16:26 |
| gamma-BHC (Lindane) | < 0.100 | ug/L | | 9/26/2018 16:26 |
| Heptachlor | < 0.100 | ug/L | | 9/26/2018 16:26 |
| Heptachlor Epoxide | 0.100 0.0866 | ug/L | JP | 9/26/2018 16:26 |
| Methoxychlor | < 0.100 | ug/L | | 9/26/2018 16:26 |
| Toxaphene | < 1.00 | ug/L | | 9/26/2018 16:26 |
| trans-Chlordane | < 0.100 | ug/L | | 9/26/2018 16:26 |

| Surrogate | Percent Recovery | Limits | Outliers | Date Analyzed |
|--------------------------|------------------|------------|----------|-----------------|
| Decachlorobiphenyl (1) | 78.1 | 23.1 - 153 | | 9/26/2018 16:26 |
| Tetrachloro-m-xylene (1) | 90.5 | 35.1 - 106 | | 9/26/2018 16:26 |

Method Reference(s): EPA 8081B
EPA 3510C
Preparation Date: 9/26/2018

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Report Prepared Thursday, October 11, 2018



PARADIGM

ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 184415

Client: BE3

Project Reference: 31 + 150 Tonawanda

Sample Identifier: 31-MW-1

Lab Sample ID: 184415-02

Date Sampled: 9/24/2018

Matrix: Groundwater

Date Received: 9/25/2018

Chlorinated Pesticides

| Analyte | Result | Units | Qualifier | Date Analyzed |
|---------------------|-------------------------|-------|-----------|-----------------|
| 4,4-DDD | < 0.100 | ug/L | | 9/26/2018 16:41 |
| 4,4-DDE | < 0.100 | ug/L | | 9/26/2018 16:41 |
| 4,4-DDT | < 0.100 | ug/L | | 9/26/2018 16:41 |
| Aldrin | 0.0570 J | ug/L | JP | 9/26/2018 16:41 |
| alpha-BHC | < 0.100 | ug/L | | 9/26/2018 16:41 |
| beta-BHC | < 0.100 | ug/L | | 9/26/2018 16:41 |
| cis-Chlordane | < 0.100 | ug/L | | 9/26/2018 16:41 |
| delta-BHC | < 0.100 | ug/L | | 9/26/2018 16:41 |
| Dieldrin | < 0.100 | ug/L | | 9/26/2018 16:41 |
| Endosulfan I | < 0.100 | ug/L | | 9/26/2018 16:41 |
| Endosulfan II | < 0.100 | ug/L | | 9/26/2018 16:41 |
| Endosulfan Sulfate | < 0.100 | ug/L | | 9/26/2018 16:41 |
| Endrin | < 0.100 | ug/L | | 9/26/2018 16:41 |
| Endrin Aldehyde | < 0.100 | ug/L | | 9/26/2018 16:41 |
| Endrin Ketone | < 0.100 | ug/L | | 9/26/2018 16:41 |
| gamma-BHC (Lindane) | < 0.100 | ug/L | | 9/26/2018 16:41 |
| Heptachlor | < 0.100 | ug/L | | 9/26/2018 16:41 |
| Heptachlor Epoxide | 0-100 0.0868 | ug/L | JP | 9/26/2018 16:41 |
| Methoxychlor | < 0.100 | ug/L | | 9/26/2018 16:41 |
| Toxaphene | < 1.00 | ug/L | | 9/26/2018 16:41 |
| trans-Chlordane | < 0.100 | ug/L | | 9/26/2018 16:41 |

| Surrogate | Percent Recovery | Limits | Outliers | Date Analyzed |
|--------------------------|------------------|------------|----------|-----------------|
| Decachlorobiphenyl (1) | 75.3 | 23.1 - 153 | | 9/26/2018 16:41 |
| Tetrachloro-m-xylene (1) | 86.1 | 35.1 - 106 | | 9/26/2018 16:41 |

Method Reference(s): EPA 8081B

EPA 3510C

Preparation Date: 9/26/2018

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Report Prepared Thursday, October 11, 2018



PARADIGM

ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 184415

Client: **BE3**

Project Reference: 31 + 150 Tonawanda

Sample Identifier: 31-MW-3

Lab Sample ID: 184415-03

Date Sampled: 9/24/2018

Matrix: Groundwater

Date Received: 9/25/2018

Chlorinated Pesticides

| Analyte | Result | Units | Qualifier | Date Analyzed |
|---------------------|-------------------|-------|-----------|-----------------|
| 4,4-DDD | < 0.100 <i>NS</i> | ug/L | MD | 9/26/2018 16:56 |
| 4,4-DDE | < 0.100 | ug/L | M | 9/26/2018 16:56 |
| 4,4-DDT | < 0.100 | ug/L | MD | 9/26/2018 16:56 |
| Aldrin | < 0.100 | ug/L | M | 9/26/2018 16:56 |
| alpha-BHC | < 0.100 | ug/L | MD | 9/26/2018 16:56 |
| beta-BHC | < 0.100 | ug/L | MD | 9/26/2018 16:56 |
| cis-Chlordane | < 0.100 | ug/L | M | 9/26/2018 16:56 |
| delta-BHC | 0.0671 <i>J</i> | ug/L | JMDP | 9/26/2018 16:56 |
| Dieldrin | < 0.100 <i>NS</i> | ug/L | MD | 9/26/2018 16:56 |
| Endosulfan I | < 0.100 | ug/L | MD | 9/26/2018 16:56 |
| Endosulfan II | < 0.100 | ug/L | MD | 9/26/2018 16:56 |
| Endosulfan Sulfate | < 0.100 | ug/L | MD | 9/26/2018 16:56 |
| Endrin | < 0.100 | ug/L | MD | 9/26/2018 16:56 |
| Endrin Aldehyde | < 0.100 | ug/L | | 9/26/2018 16:56 |
| Endrin Ketone | < 0.100 | ug/L | MD | 9/26/2018 16:56 |
| gamma-BHC (Lindane) | < 0.100 | ug/L | MD | 9/26/2018 16:56 |
| Heptachlor | 0.104 <i>J</i> | ug/L | MD | 9/26/2018 16:56 |
| Heptachlor Epoxide | < 0.100 <i>NS</i> | ug/L | M | 9/26/2018 16:56 |
| Methoxychlor | < 0.100 | ug/L | MD | 9/26/2018 16:56 |
| Toxaphene | < 1.00 | ug/L | | 9/26/2018 16:56 |
| trans-Chlordane | < 0.100 | ug/L | M | 9/26/2018 16:56 |

| Surrogate | Percent Recovery | Limits | Outliers | Date Analyzed |
|--------------------------|------------------|------------|----------|-----------------|
| Decachlorobiphenyl (1) | 23.1 | 23.1 - 153 | | 9/26/2018 16:56 |
| Tetrachloro-m-xylene (1) | 7.74 | 35.1 - 106 | * | 9/26/2018 16:56 |

Internal standard outliers indicate probable matrix interference

Method Reference(s): EPA 8081B

EPA 3510C

Preparation Date: 9/26/2018

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Report Prepared Thursday, October 11, 2018



PARADIGM

ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 184415

Client: BE3

Project Reference: 31 + 150 Tonawanda

Sample Identifier: 31-MW-5

Lab Sample ID: 184415-05

Date Sampled: 9/24/2018

Matrix: Groundwater

Date Received: 9/25/2018

Chlorinated Pesticides

| Analyte | Result | Units | Qualifier | Date Analyzed |
|---------------------|----------------|-------|-----------|-----------------|
| 4,4-DDD | < 0.100 | ug/L | | 9/26/2018 17:58 |
| 4,4-DDE | < 0.100 | ug/L | | 9/26/2018 17:58 |
| 4,4-DDT | < 0.100 | ug/L | | 9/26/2018 17:58 |
| Aldrin | 0.121 J | ug/L | P | 9/26/2018 17:58 |
| alpha-BHC | 0.100 u 0.0768 | ug/L | JP | 9/26/2018 17:58 |
| beta-BHC | < 0.100 | ug/L | | 9/26/2018 17:58 |
| cis-Chlordane | < 0.100 | ug/L | | 9/26/2018 17:58 |
| delta-BHC | < 0.100 | ug/L | | 9/26/2018 17:58 |
| Dieldrin | 0.100 u 0.0696 | ug/L | JP | 9/26/2018 17:58 |
| Endosulfan I | < 0.100 | ug/L | | 9/26/2018 17:58 |
| Endosulfan II | < 0.100 | ug/L | | 9/26/2018 17:58 |
| Endosulfan Sulfate | < 0.100 | ug/L | | 9/26/2018 17:58 |
| Endrin | 0.134 J | ug/L | P | 9/26/2018 17:58 |
| Endrin Aldehyde | < 0.100 | ug/L | | 9/26/2018 17:58 |
| Endrin Ketone | < 0.100 | ug/L | | 9/26/2018 17:58 |
| gamma-BHC (Lindane) | < 0.100 | ug/L | | 9/26/2018 17:58 |
| Heptachlor | 0.0977 J | ug/L | JP | 9/26/2018 17:58 |
| Heptachlor Epoxide | 0.163 J | ug/L | P | 9/26/2018 17:58 |
| Methoxychlor | < 0.100 | ug/L | | 9/26/2018 17:58 |
| Toxaphene | < 1.00 | ug/L | | 9/26/2018 17:58 |
| trans-Chlordane | 0.0582 J | ug/L | J | 9/26/2018 17:58 |

| Surrogate | Percent Recovery | Limits | Outliers | Date Analyzed |
|--------------------------|------------------|------------|----------|-----------------|
| Decachlorobiphenyl (1) | 54.9 | 23.1 - 153 | | 9/26/2018 17:58 |
| Tetrachloro-m-xylene (1) | 106 | 35.1 - 106 | | 9/26/2018 17:58 |

Method Reference(s): EPA 8081B

EPA 3510C

Preparation Date: 9/26/2018

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Report Prepared Thursday, October 11, 2018



PARADIGM

ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 184415

Client: **BE3**

Project Reference: 31 + 150 Tonawanda

Sample Identifier: 31-MW-2

Lab Sample ID: 184415-01

Date Sampled: 9/24/2018

Matrix: Groundwater

Date Received: 9/25/2018

PCBs

| Analyte | Result | Units | Qualifier | Date Analyzed |
|----------|---------|-------|-----------|-----------------|
| PCB-1016 | < 0.100 | ug/L | | 10/4/2018 11:27 |
| PCB-1221 | < 0.100 | ug/L | | 10/4/2018 11:27 |
| PCB-1232 | < 0.100 | ug/L | | 10/4/2018 11:27 |
| PCB-1242 | < 0.100 | ug/L | | 10/4/2018 11:27 |
| PCB-1248 | < 0.100 | ug/L | | 10/4/2018 11:27 |
| PCB-1254 | < 0.100 | ug/L | | 10/4/2018 11:27 |
| PCB-1260 | 1.22 J | ug/L | | 10/4/2018 11:27 |
| PCB-1262 | < 0.100 | ug/L | | 10/4/2018 11:27 |
| PCB-1268 | < 0.100 | ug/L | | 10/4/2018 11:27 |

| Surrogate | Percent Recovery | Limits | Outliers | Date Analyzed |
|----------------------|------------------|-----------|----------|-----------------|
| Decachlorobiphenyl | 98.8 | 10 - 103 | | 10/4/2018 11:27 |
| Tetrachloro-m-xylene | 50.4 | 10 - 84.8 | | 10/4/2018 11:27 |

Method Reference(s): EPA 8082A
EPA 3510C
Preparation Date: 9/27/2018

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Report Prepared Thursday, October 11, 2018

11/4/18



PARADIGM
ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 184415

Client: BE3

Project Reference: 31 + 150 Tonawanda

Sample Identifier: 31-MW-1

Lab Sample ID: 184415-02

Date Sampled: 9/24/2018

Matrix: Groundwater

Date Received: 9/25/2018

PCBs

| <u>Analyte</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> |
|----------------|---------------|--------------|------------------|----------------------|
| PCB-1016 | < 0.200 | ug/L | | 9/29/2018 22:30 |
| PCB-1221 | < 0.200 | ug/L | | 9/29/2018 22:30 |
| PCB-1232 | < 0.200 | ug/L | | 9/29/2018 22:30 |
| PCB-1242 | < 0.200 | ug/L | | 9/29/2018 22:30 |
| PCB-1248 | < 0.200 | ug/L | | 9/29/2018 22:30 |
| PCB-1254 | < 0.200 | ug/L | | 9/29/2018 22:30 |
| PCB-1260 | 1.81 J | ug/L | | 9/29/2018 22:30 |
| PCB-1262 | < 0.200 | ug/L | | 9/29/2018 22:30 |
| PCB-1268 | < 0.200 | ug/L | | 9/29/2018 22:30 |

| <u>Surrogate</u> | <u>Percent Recovery</u> | <u>Limits</u> | <u>Outliers</u> | <u>Date Analyzed</u> |
|----------------------|-------------------------|---------------|-----------------|----------------------|
| Decachlorobiphenyl | 63.7 | 10 - 103 | | 9/29/2018 22:30 |
| Tetrachloro-m-xylene | 35.3 | 10 - 84.8 | | 9/29/2018 22:30 |

Method Reference(s): EPA 8082A

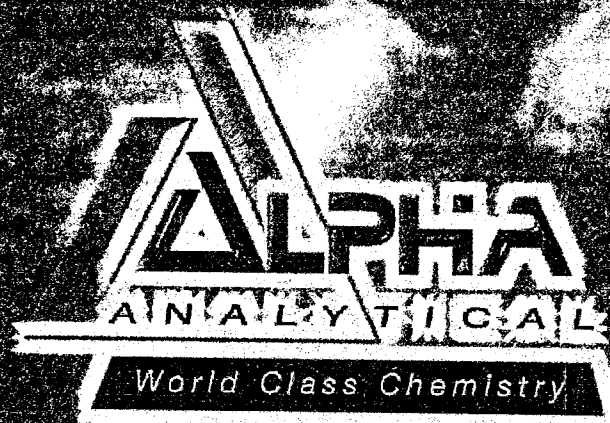
EPA 3510C

Preparation Date: 9/27/2018

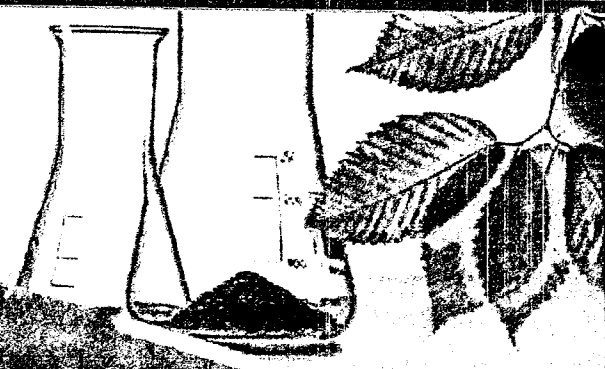
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Report Prepared Thursday, October 11, 2018

www.11/14/18



www.alphalab.com



Alpha Analytical

Laboratory Code: 11148

SDG Number: L1838408

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Project Name: 31-150 TONAWANDA ST
Project Number: 31-150 TONAWANDA ST

Lab Number: L1838408
Report Date: 10/08/18

| Alpha Sample ID | Client ID | Matrix | Sample Location | Collection Date/Time | Receive Date |
|----------------------------|------------------|---------------|----------------------------|---------------------------------|---------------------|
| L1838408-01 | 31-MW-2 | WATER | Not Specified | 09/24/18 10:05 | 09/25/18 |
| L1838408-02 | 31-MW-3 | WATER | Not Specified | 09/24/18 13:20 | 09/25/18 |
| L1838408-03 | 31-MW-4 | WATER | Not Specified | 09/24/18 15:15 | 09/25/18 |
| L1838408-04 | FIELD BLANK | WATER | Not Specified | | 09/25/18 |

Project Name: 31-150 TONAWANDA ST
Project Number: 31-150 TONAWANDA ST

Lab Number: L1838408
Report Date: 10/08/18

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Sample Receipt

L1838408-04 : A sample identified as "FIELD BLANK" was received but not listed on the Chain of Custody. At the client's request, this sample was not analyzed.

1,4-Dioxane by 8270-SIM

The WG1162707-4/-5 MS/MSD recoveries, performed on L1838408-02, are outside the acceptance criteria for 1,4-dioxane (0%/0%). The unacceptable percent recoveries are attributed to the elevated concentrations of target compounds present in the native sample.

Perfluorinated Alkyl Acids by Isotope Dilution

The WG1161971-2/-3 LCS/LCSD RPDs, associated with L1838408-01 through -03, are above the acceptance criteria for 1h,1h,2h,2h-perfluorodecanesulfonic acid (8:2fts) (32%) and n-methyl perfluorooctanesulfonamidoacetic acid (nmefosaa) (32%).

The WG1161971-6 MS recovery, performed on L1838408-02, is above the acceptance criteria for 1h,1h,2h,2h-perfluorodecanesulfonic acid (8:2fts) (196%).

The WG1161971-6/-7 MS/MSD RPD, performed on L1838408-02, is above the acceptance criteria for 1h,1h,2h,2h-perfluorodecanesulfonic acid (8:2fts) (43%).

WG1164294-6: The continuing calibration standard, associated with L1838408 as well as the associated QC, had the response for the extracted internal standard Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS) (155.4%D) above the acceptance criteria for the method. The associated target analytes were within acceptance criteria, therefore no further action was taken.

WG1164294-4: The continuing calibration standard, associated with L1838408 as well as the associated QC, had the response for 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS) (145.3%D), Perfluorodecanesulfonic Acid (PFDS) (155.6%D) above the acceptance criteria for the method. The associated

Project Name: 31-150 TONAWANDA ST
Project Number: 31-150 TONAWANDA ST

Lab Number: L1838408
Report Date: 10/08/18

Case Narrative (continued)

samples were non-detect, therefore no further action was taken.

WG1164294-5: The continuing calibration standard, associated with L1838408 as well as the associated QC, had the response for the extracted internal standard Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS) (155.2%D) above the acceptance criteria for the method. The associated target analytes were within acceptance criteria, therefore no further action was taken.

WG1164294-7: The continuing calibration standard, associated with L1838408 as well as the associated QC, had the response for the extracted internal standard Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS) (154.4%D) above the acceptance criteria for the method. The associated target analytes were within acceptance criteria, therefore no further action was taken.

WG1164294-5: The continuing calibration standard, associated with L1838408 as well as the associated QC, had the response for Perfluorodecanesulfonic Acid (PFDS) (208.6%D) above the acceptance criteria for the method. The associated samples were non-detect, therefore no further action was taken.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:

Dawn E. Miel

Report Date: 10/08/18

Title: Technical Director/Representative

Appendix B

Laboratory QC Documentation

VOLATILE SURROGATE RECOVERY

Lab Name: Paradigm Environmental ServicesLab Project #: 184415Client Name: BE3Client Project Name: 31 + 150 TonawandaClient Project #: N/ASDG No.: 4415-01Matrix: GroundwaterQC Batch: voaw180928Instrument ID: Instrument1GC Column: DB-624ID (mm): 0.20Detector: MSD

| LAB SAMPLE NO. | CLIENT SAMPLE ID | PFB (%Recovery) | 12DCEd4 (%Recovery) | Td8 (%Recovery) | 4BFB (%Recovery) | Total Out |
|-------------------|---------------------|--------------------|------------------------|--------------------|---------------------|--------------|
| 1 Blk 1 | N/A | 96.2 | 101 | 90.0 | 86.0 | 0 |
| 2 LCS 1 | N/A | 97.4 | 93.2 | 97.1 | 98.8 | 0 |
| 3 184415-01 | 31-MW-2 | 92.9 | 122 * | 87.1 | 80.1 | 1 |
| 4 184415-02 | 31-MW-1 | 85.7 * | 114 | 87.2 | 85.6 | 1 |
| 5 184415-04 | 31-MW-4 | 89.6 | 109 | 88.3 | 86.5 | 0 |
| 6 184415-05 | 31-MW-5 | 92.0 | 112 | 88.7 | 88.0 | 0 |
| 7 184415-06 | Trip Blank T860 | 92.6 | 111 | 86.9 | 79.6 | 0 |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |
| 11 | | | | | | |
| 12 | | | | | | |
| 13 | | | | | | |
| 14 | | | | | | |
| 15 | | | | | | |
| 16 | | | | | | |
| 17 | | | | | | |
| 18 | | | | | | |
| 19 | | | | | | |
| 20 | | | | | | |
| 21 | | | | | | |
| 22 | | | | | | |
| 23 | | | | | | |
| 24 | | | | | | |
| 25 | | | | | | |

QC LIMITS %

PFB = Pentafluorobenzene

(86.2 - 111)

12DCEd4 = 1,2-Dichloroethane-d4

(80.7 - 121)

Td8 = Toluene-d8

(86.2 - 112)

4BFB = 4-Bromofluorobenzene

(74.3 - 121)

* Values outside of current required QC limits

D Surrogate diluted out



QC Report for Matrix Spike and Matrix Spike Duplicate

Client: BE3
Project Reference: 31 + 150 Tonawanda

SDG #: 4415-01
Lab Project ID: 184415

Lab Sample ID: 184415-03
Sample Identifier: 31-MW-3
Matrix: Groundwater

Date Sampled: 9/24/2018
Date Received: 9/25/2018
Date Analyzed: 10/1/2018

Volatile Organics

| | <u>Sample</u> | <u>Result</u> | <u>MS</u> | <u>MS</u> | <u>MS %</u> | <u>MSD</u> | <u>MSD</u> | <u>MSD %</u> | <u>% Rec.</u> | <u>MS</u> | <u>MSD</u> | <u>Relative</u> | <u>RPD</u> | <u>RPD</u> |
|---------------------------|---------------|---------------|--------------|---------------|-----------------|--------------|---------------|-----------------|---------------|----------------|----------------|-----------------|--------------|----------------|
| <u>Analyte</u> | <u>Result</u> | <u>Units</u> | <u>Added</u> | <u>Result</u> | <u>Recovery</u> | <u>Added</u> | <u>Result</u> | <u>Recovery</u> | <u>Limits</u> | <u>Outlier</u> | <u>Outlier</u> | <u>% Diff.</u> | <u>Limit</u> | <u>Outlier</u> |
| 1,1,1-Trichloroethane | 188000 | ug/L | 125000 | 371000 | 147 | 125000 | 345000 | 126 | 60.7 - 130 | * | | 15.5 | 12.3 | * |
| 1,1,2,2-Tetrachloroethane | < 5000 | ug/L | 125000 | 123000 | 98.4 | 125000 | 113000 | 90.7 | 67.1 - 132 | | | 8.21 | 10.2 | |
| 1,1,2-Trichloroethane | < 5000 | ug/L | 125000 | 120000 | 96.3 | 125000 | 112000 | 89.2 | 69.9 - 131 | | | 7.62 | 10.6 | |
| 1,1-Dichloroethane | 75700 | ug/L | 125000 | 209000 | 106 | 125000 | 199000 | 98.5 | 70 - 128 | | | 7.73 | 11.2 | |
| 1,1-Dichloroethene | 2510 | ug/L | 125000 | 126000 | 98.9 | 125000 | 119000 | 93.5 | 56.4 - 140 | | | 5.67 | 14.4 | |
| 1,2-Dichlorobenzene | < 5000 | ug/L | 125000 | 128000 | 102 | 125000 | 119000 | 95.1 | 70 - 130 | | | 7.47 | 8.77 | |
| 1,2-Dichloroethane | < 5000 | ug/L | 125000 | 116000 | 92.5 | 125000 | 106000 | 84.6 | 68.8 - 130 | | | 8.88 | 11.7 | |
| 1,2-Dichloropropane | < 5000 | ug/L | 125000 | 123000 | 98.0 | 125000 | 116000 | 93.1 | 68.7 - 126 | | | 5.15 | 11 | |
| 1,3-Dichlorobenzene | < 5000 | ug/L | 125000 | 129000 | 103 | 125000 | 120000 | 96.2 | 65.2 - 125 | | | 6.67 | 9.58 | |
| 1,4-Dichlorobenzene | < 5000 | ug/L | 125000 | 123000 | 98.2 | 125000 | 113000 | 90.5 | 66 - 128 | | | 8.17 | 9.65 | |
| Benzene | < 2500 | ug/L | 125000 | 135000 | 108 | 125000 | 124000 | 99.2 | 72 - 130 | | | 8.27 | 11.2 | |
| Bromodichloromethane | < 5000 | ug/L | 125000 | 123000 | 98.2 | 125000 | 111000 | 89.2 | 42.4 - 164 | | | 9.65 | 18.3 | |
| Bromoform | < 12500 | ug/L | 125000 | 120000 | 95.8 | 125000 | 111000 | 88.5 | 55.9 - 136 | | | 7.94 | 12.3 | |
| Bromomethane | < 5000 | ug/L | 125000 | 111000 | 88.9 | 125000 | 108000 | 86.3 | 54.2 - 152 | | | 2.97 | 17.4 | |

Any estimated values are displayed, and derived values calculated, based on numeric result only. See primary analytical report for data flags.

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Evaluate Continuing Calibration Report

Data File: C:\msdchem\1\DATA\180928\X54625.D

DataAcq Meth:8260RUN.M

Acq On : 28 Sep 2018 11:20 am

Sample : 50ppb mega CC

Misc :

ALS Vial : 4 Sample Multiplier: 1

Operator: Bill Brew

Inst : Instrument #1

Quant Time: Sep 28 11:42:49 2018

Quant Method : C:\msdchem\1\METHODS\180920.M

Quant Title : 8260/624 Analysis

QLast Update : Wed Sep 26 11:16:52 2018

Response via : Initial Calibration

Integrator: RTE

9/28/18 BJB

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) | |
|-------|---------------------------|---------|---------|--------|-------|----------|------------|
| 1 I | Fluorobenzene | 50.000 | 50.000 | 0.0 | 100 | 0.00 | |
| 2 P | Dichlorodifluoromethane | 50.000 | 39.754 | 20.5# | 85 | 0.00 | per RL std |
| 3 P | Chloromethane | 50.000 | 44.595 | 10.8 | 98 | 0.00 | |
| 4 P | Vinyl chloride | 50.000 | 48.680 | 2.6 | 104 | 0.00 | |
| 5 P | Bromomethane | 50.000 | 47.797 | 4.4 | 112 | 0.00 | |
| 6 P | Chloroethane | 50.000 | 51.367 | -2.7 | 113 | 0.00 | |
| 7 P | Trichlorofluoromethane | 50.000 | 52.424 | -4.8 | 112 | 0.00 | |
| 8 | Ethyl ether | 50.000 | 50.347 | -0.7 | 109 | 0.00 | |
| 9 P | Freon 113 | 50.000 | 54.274 | -8.5 | 117 | 0.00 | |
| 10 P | 1,1-Dichloroethene | 50.000 | 52.675 | -5.3 | 111 | 0.00 | |
| 11 P | Acetone | 50.000 | 59.448 | -18.9 | 142 | 0.00 | |
| 12 | Isopropyl Alcohol | 500.000 | 0.000 | 100.0# | 0 | 0.06 | |
| 13 P | Carbon disulfide | 50.000 | 50.103 | -0.2 | 106 | 0.00 | |
| 14 P | Methyl acetate | 50.000 | 51.328 | -2.7 | 115 | 0.00 | |
| 15 P | Methylene chloride | 50.000 | 47.908 | 4.2 | 110 | 0.00 | |
| 16 | Acrylonitrile | 50.000 | 49.741 | 0.5 | 109 | 0.00 | |
| 17 | tert-Butyl Alcohol | 500.000 | 542.009 | -8.4 | 114 | 0.00 | |
| 18 P | Methyl tert-butyl Ether | 50.000 | 51.229 | -2.5 | 109 | 0.00 | |
| 19 P | trans-1,2-Dichloroethene | 50.000 | 52.352 | -4.7 | 112 | 0.00 | |
| 20 P | 1,1-Dichloroethane | 50.000 | 51.457 | -2.9 | 110 | 0.00 | |
| 21 | Vinyl acetate | 50.000 | 52.063 | -4.1 | 106 | 0.00 | |
| 22 | 2,2-Dichloropropane | 50.000 | 55.939 | -11.9 | 116 | 0.00 | |
| 23 P | 2-Butanone | 50.000 | 59.499 | -19.0 | 126 | 0.00 | |
| 24 P | cis-1,2-Dichloroethene | 50.000 | 49.783 | 0.4 | 106 | 0.00 | |
| 25 | Bromochloromethane | 50.000 | 48.780 | 2.4 | 109 | 0.00 | |
| 26 P | Chloroform | 50.000 | 51.858 | -3.7 | 111 | 0.00 | |
| 27 S | Pentafluorobenzene | 30.000 | 29.612 | 1.3 | 97 | 0.00 | |
| 28 | Tetrahydrofuran | 100.000 | 107.282 | -7.3 | 112 | 0.00 | |
| 29 P | 1,1,1-Trichloroethane | 50.000 | 54.153 | -8.3 | 113 | 0.00 | |
| 30 P | Cyclohexane | 50.000 | 58.504 | -17.0 | 118 | 0.00 | |
| 31 S | 1,2-Dichloroethane-d4 | 30.000 | 31.498 | -5.0 | 103 | 0.00 | |
| 32 P | Carbon Tetrachloride | 50.000 | 53.346 | -6.7 | 111 | 0.00 | |
| 33 P | Benzene | 50.000 | 51.887 | -3.8 | 109 | 0.00 | |
| 34 P | 1,2-Dichloroethane | 50.000 | 51.112 | -2.2 | 111 | 0.00 | |
| 35 P | Trichloroethene | 50.000 | 50.465 | -0.9 | 107 | 0.00 | |
| 36 | tert-Butyl Acetate | 50.000 | 0.000 | 100.0# | 0 | 0.10 | |
| 37 P | Methylcyclohexane | 50.000 | 56.294 | -12.6 | 111 | 0.00 | |
| 38 | 1,4-Dioxane | 50.000 | 49.911 | 0.2 | 124 | 0.00 | |
| 39 UN | Ethyl acetate | -1.000 | 0.000 | 0.0 | 0 | 0.00 | |
| 40 P | 1,2-Dichloropropane | 50.000 | 50.716 | -1.4 | 109 | 0.00 | |
| 41 UN | Isobutyl alcohol | -1.000 | 0.000 | 0.0 | 0 | 0.00 | |
| 42 | Dibromomethane | 50.000 | 50.985 | -2.0 | 110 | 0.00 | |
| 43 P | Bromodichloromethane | 50.000 | 51.920 | -3.8 | 110 | 0.00 | |
| 44 | 2-Chloroethyl vinyl Ether | 50.000 | 32.026 | 35.9# | 86 | 0.00 | NT |
| 45 UN | Isopropyl acetate | -1.000 | 0.000 | 0.0 | 0 | 0.00 | |
| 46 | 1,1-Dichloropropene | 50.000 | 53.397 | -6.8 | 113 | 0.00 | |
| 47 P | cis-1,3-Dichloropropene | 50.000 | 53.708 | -7.4 | 109 | 0.00 | |
| 48 P | 4-Methyl-2-pentanone | 50.000 | 53.458 | -6.9 | 108 | 0.00 | |
| 49 S | Toluene-D8 | 30.000 | 31.135 | -3.8 | 101 | 0.00 | |
| 50 P | Toluene | 50.000 | 52.300 | -4.6 | 113 | 0.00 | |

Evaluate Continuing Calibration Report

Data File: C:\msdchem\1\DATA\180928\54625.D

DataAcq Meth: 8260RUN.M

Acq On : 28 Sep 2018 11:20 am

Sample : 50ppb mega CC

Misc :

ALS Vial : 4 Sample Multiplier: 1

Operator: Bill Brew

Inst : Instrument #1

Quant Time: Sep 28 11:42:49 2018

Quant Method : C:\msdchem\1\METHODS\180920.M

Quant Title : 8260/624 Analysis

QLast Update : Wed Sep 26 11:16:52 2018

Response via : Initial Calibration

Integrator: RTE

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|-------|-----------------------------|---------|---------|-------|-------|----------|
| 51 P | trans-1,3-Dichloropropene | 50.000 | 52.229 | -4.5 | 105 | 0.00 |
| 52 P | 1,1,2-Trichloroethane | 50.000 | 51.066 | -2.1 | 114 | 0.00 |
| 53 | 1,3-Dichloropropane | 50.000 | 52.996 | -6.0 | 108 | 0.00 |
| 54 P | Tetrachloroethene | 50.000 | 55.452 | -10.9 | 113 | 0.00 |
| 55 P | 2-Hexanone | 50.000 | 66.929 | -33.9 | 133 | 0.00 |
| 56 P | Dibromochloromethane | 50.000 | 51.467 | -2.9 | 105 | 0.00 |
| 57 P | 1,2-Dibromoethane | 50.000 | 50.907 | -1.8 | 109 | 0.00 |
| 58 I | Chlorobenzene-d5 | 50.000 | 50.000 | 0.0 | 101 | 0.00 |
| 59 P | Chlorobenzene | 50.000 | 49.196 | 1.6 | 111 | 0.00 |
| 60 | 1,1,1,2-Tetrachloroethane | 50.000 | 49.533 | 0.9 | 110 | 0.00 |
| 61 P | Ethylbenzene | 50.000 | 54.475 | -9.0 | 114 | 0.00 |
| 62 P | m,p-Xylene | 100.000 | 109.626 | -9.6 | 113 | 0.00 |
| 63 P | o-Xylene | 50.000 | 56.088 | -12.2 | 111 | 0.00 |
| 64 P | Styrene | 50.000 | 55.417 | -10.8 | 113 | 0.00 |
| 65 P | Bromoforn | 50.000 | 50.335 | -0.7 | 105 | 0.00 |
| 66 P | Isopropylbenzene | 50.000 | 58.471 | -16.9 | 114 | 0.00 |
| 67 | 1,2,3-Trichloropropane | 50.000 | 50.000 | 0.0 | 111 | 0.00 |
| 68 S | 4-Bromofluorobenzene | 30.000 | 30.133 | -0.4 | 101 | 0.00 |
| 69 | Bromobenzene | 50.000 | 49.494 | 1.0 | 112 | 0.00 |
| 70 P | 1,1,2,2-Tetrachloroethane | 50.000 | 50.029 | -0.1 | 110 | 0.00 |
| 71 | n-Propylbenzene | 50.000 | 56.991 | -14.0 | 115 | 0.00 |
| 72 | 2-Chlorotoluene | 50.000 | 53.578 | -7.2 | 114 | 0.00 |
| 73 | 4-Chlorotoluene | 50.000 | 54.163 | -8.3 | 116 | 0.00 |
| 74 | 1,3,5-Trimethylbenzene | 50.000 | 57.081 | -14.2 | 113 | 0.00 |
| 75 | tert-Butylbenzene | 50.000 | 58.598 | -17.2 | 118 | 0.00 |
| 76 | 1,2,4-Trimethylbenzene | 50.000 | 57.827 | -15.7 | 115 | 0.00 |
| 77 | sec-Butylbenzene | 50.000 | 59.267 | -18.5 | 116 | 0.00 |
| 78 | p-Isopropyltoluene | 50.000 | 58.657 | -17.3 | 116 | 0.00 |
| 79 I | 1,4-Dichlorobenzene-d4 | 50.000 | 50.000 | 0.0 | 105 | 0.00 |
| 80 P | 1,3-Dichlorobenzene | 50.000 | 51.049 | -2.1 | 113 | 0.00 |
| 81 P | 1,4-Dichlorobenzene | 50.000 | 49.789 | 0.4 | 116 | 0.00 |
| 82 | n-Butylbenzene | 50.000 | 56.672 | -13.3 | 114 | 0.00 |
| 83 P | 1,2-Dichlorobenzene | 50.000 | 51.624 | -3.2 | 113 | 0.00 |
| 84 UN | Tetraethyllead | -1.000 | 0.000 | 0.0 | 0 | 0.00 |
| 85 P | 1,2-Dibromo-3-Chloropropane | 50.000 | 48.278 | 3.4 | 109 | 0.00 |
| 86 P | 1,2,4-Trichlorobenzene | 50.000 | 53.923 | -7.8 | 113 | 0.00 |
| 87 | 1,2,3-Trichlorobenzene | 50.000 | 53.718 | -7.4 | 113 | 0.00 |
| 88 | Hexachlorobutadiene | 50.000 | 50.930 | -1.9 | 118 | 0.00 |
| 89 | Naphthalene | 50.000 | 43.155 | 13.7 | 110 | 0.00 |

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data File: C:\msdchem\1\DATA\181001\x54664.D

DataAcq Meth: 8260RUN.M

Acq On : 1 Oct 2018 10:58 am

Sample : 50ppb mega CC

Misc :

ALS Vial : 4 Sample Multiplier: 1

Operator: Bill Brew

Inst : Instrument #1

Quant Time: Oct 01 11:16:18 2018

Quant Method : C:\msdchem\1\METHODS\180920.M

Quant Title : 8260/624 Analysis

QLast Update : Fri Sep 28 15:35:43 2018

Response via : Initial Calibration

Integrator: RTE

10/1/18 BB

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|-------|---------------------------|---------|---------|---------|-------|----------|
| 1 I | Fluorobenzene | 50.000 | 50.000 | 0.0 | 127 | 0.00 |
| 2 P | Dichlorodifluoromethane | 50.000 | 31.934 | ↓ 36.1# | 87 | 0.00 |
| 3 P | Chloromethane | 50.000 | 53.730 | 7.5 | 149 | 0.00 |
| 4 P | Vinyl chloride | 50.000 | 43.671 | ↓ 12.7 | 118 | 0.00 |
| 5 P | Bromomethane | 50.000 | 37.702 | ↓ 24.6# | 113 | 0.00 |
| 6 P | Chloroethane | 50.000 | 45.052 | 9.9 | 125 | 0.00 |
| 7 P | Trichlorofluoromethane | 50.000 | 43.307 | 13.4 | 117 | 0.00 |
| 8 | Ethyl ether | 50.000 | 46.248 | 7.5 | 126 | 0.00 |
| 9 P | Freon 113 | 50.000 | 47.278 | 5.4 | 129 | 0.00 |
| 10 P | 1,1-Dichloroethene | 50.000 | 45.028 | 9.9 | 120 | 0.00 |
| 11 P | Acetone | 50.000 | 57.979 | -16.0 | 176 | 0.00 |
| 12 | Isopropyl Alcohol | 500.000 | 0.000 | 100.0# | 0 | -0.08 |
| 13 P | Carbon disulfide | 50.000 | 45.392 | 9.2 | 121 | 0.00 |
| 14 P | Methyl acetate | 50.000 | 47.735 | 4.5 | 134 | 0.00 |
| 15 P | Methylene chloride | 50.000 | 43.419 | 13.2 | 126 | 0.00 |
| 16 | Acrylonitrile | 50.000 | 49.062 | 1.9 | 135 | 0.00 |
| 17 | tert-Butyl Alcohol | 500.000 | 541.330 | -8.3 | 143 | 0.00 |
| 18 P | Methyl tert-butyl Ether | 50.000 | 47.742 | 4.5 | 129 | 0.00 |
| 19 P | trans-1,2-Dichloroethene | 50.000 | 47.123 | 5.8 | 127 | 0.00 |
| 20 P | 1,1-Dichloroethane | 50.000 | 46.168 | 7.7 | 124 | 0.00 |
| 21 | Vinyl acetate | 50.000 | 49.877 | 0.2 | 128 | 0.00 |
| 22 | 2,2-Dichloropropane | 50.000 | 44.132 | 11.7 | 115 | 0.00 |
| 23 P | 2-Butanone | 50.000 | 58.454 | -16.9 | 156 | 0.00 |
| 24 P | cis-1,2-Dichloroethene | 50.000 | 48.911 | 2.2 | 131 | 0.00 |
| 25 | Bromochloromethane | 50.000 | 48.060 | 3.9 | 135 | 0.00 |
| 26 P | Chloroform | 50.000 | 45.841 | 8.3 | 124 | 0.00 |
| 27 S | Pentafluorobenzene | 30.000 | 30.269 | -0.9 | 125 | 0.00 |
| 28 | Tetrahydrofuran | 100.000 | 110.602 | -10.6 | 146 | 0.00 |
| 29 P | 1,1,1-Trichloroethane | 50.000 | 46.890 | 6.2 | 123 | 0.00 |
| 30 P | Cyclohexane | 50.000 | 52.761 | -5.5 | 134 | 0.00 |
| 31 S | 1,2-Dichloroethane-d4 | 30.000 | 26.885 | 10.4 | 111 | 0.00 |
| 32 P | Carbon Tetrachloride | 50.000 | 46.043 | 7.9 | 121 | 0.00 |
| 33 P | Benzene | 50.000 | 49.573 | 0.9 | 131 | 0.00 |
| 34 P | 1,2-Dichloroethane | 50.000 | 43.690 | 12.6 | 119 | 0.00 |
| 35 P | Trichloroethene | 50.000 | 51.709 | -3.4 | 138 | 0.00 |
| 36 | tert-Butyl Acetate | 50.000 | 0.000 | 100.0# | 0 | 0.10 |
| 37 P | Methylcyclohexane | 50.000 | 55.688 | -11.4 | 138 | 0.00 |
| 38 | 1,4-Dioxane | 50.000 | 50.036 | -0.1 | 156 | 0.00 |
| 39 UN | Ethyl acetate | -1.000 | 0.000 | 0.0 | 0 | 0.00 |
| 40 P | 1,2-Dichloropropane | 50.000 | 48.511 | 3.0 | 131 | 0.00 |
| 41 UN | Isobutyl alcohol | -1.000 | 0.000 | 0.0 | 0 | 0.00 |
| 42 | Dibromomethane | 50.000 | 46.083 | 7.8 | 125 | 0.00 |
| 43 P | Bromodichloromethane | 50.000 | 46.732 | 6.5 | 125 | 0.00 |
| 44 | 2-Chloroethyl vinyl Ether | 50.000 | 52.892 | -5.8 | 177 | 0.00 |
| 45 UN | Isopropyl acetate | -1.000 | 0.000 | 0.0 | 0 | 0.00 |
| 46 | 1,1-Dichloropropene | 50.000 | 49.223 | 1.6 | 131 | 0.00 |
| 47 P | cis-1,3-Dichloropropene | 50.000 | 52.299 | -4.6 | 134 | 0.00 |
| 48 P | 4-Methyl-2-pentanone | 50.000 | 57.715 | -15.4 | 147 | 0.00 |
| 49 S | Toluene-D8 | 30.000 | 30.580 | -1.9 | 125 | 0.00 |
| 50 P | Toluene | 50.000 | 48.747 | 2.5 | 133 | 0.00 |

Evaluate Continuing Calibration Report

Data File: C:\msdchem\1\DATA\181001\x54664.D

DataAcq Meth: 8260RUN.M

Acq On : 1 Oct 2018 10:58 am

Sample : 50ppb mega CC

Misc :

ALS Vial : 4 Sample Multiplier: 1

Operator: Bill Brew

Inst : Instrument #1

Quant Time: Oct 01 11:16:18 2018

Quant Method : C:\msdchem\1\METHODS\180920.M

Quant Title : 8260/624 Analysis

QLast Update : Fri Sep 28 15:35:43 2018

Response via : Initial Calibration

Integrator: RTE

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

| | Compound | Amount | Calc. | %Dev | Area% | Dev (min) |
|-------|-----------------------------|---------|--------|-------|-------|---------------|
| 51 P | trans-1,3-Dichloropropene | 50.000 | 48.764 | 2.5 | 124 | 0.00 |
| 52 P | 1,1,2-Trichloroethane | 50.000 | 47.901 | 4.2 | 135 | 0.00 |
| 53 | 1,3-Dichloropropane | 50.000 | 49.881 | 0.2 | 129 | 0.00 |
| 54 P | Tetrachloroethene | 50.000 | 51.886 | -3.8 | 134 | 0.00 |
| 55 P | 2-Hexanone | 50.000 | 71.146 | -42.3 | 179 | 0.00 OK if ND |
| 56 P | Dibromochloromethane | 50.000 | 47.716 | 4.6 | 123 | 0.00 |
| 57 P | 1,2-Dibromoethane | 50.000 | 49.307 | 1.4 | 134 | 0.00 |
| 58 I | Chlorobenzene-d5 | 50.000 | 50.000 | 0.0 | 132 | 0.00 |
| 59 P | Chlorobenzene | 50.000 | 44.818 | 10.4 | 131 | 0.00 |
| 60 | 1,1,1,2-Tetrachloroethane | 50.000 | 42.803 | 14.4 | 123 | 0.00 |
| 61 P | Ethylbenzene | 50.000 | 48.387 | 3.2 | 131 | 0.00 |
| 62 P | m,p-Xylene | 100.000 | 98.572 | 1.4 | 132 | 0.00 |
| 63 P | o-Xylene | 50.000 | 51.481 | -3.0 | 132 | 0.00 |
| 64 P | Styrene | 50.000 | 49.809 | 0.4 | 131 | 0.00 |
| 65 P | Bromoform | 50.000 | 46.272 | 7.5 | 126 | 0.00 |
| 66 P | Isopropylbenzene | 50.000 | 52.038 | -4.1 | 132 | 0.00 |
| 67 | 1,2,3-Trichloropropane | 50.000 | 43.407 | 13.2 | 126 | 0.00 |
| 68 S | 4-Bromofluorobenzene | 30.000 | 29.168 | 2.8 | 127 | 0.00 |
| 69 | Bromobenzene | 50.000 | 45.393 | 9.2 | 133 | 0.00 |
| 70 P | 1,1,2,2-Tetrachloroethane | 50.000 | 45.595 | 8.8 | 131 | 0.00 |
| 71 | n-Propylbenzene | 50.000 | 49.066 | 1.9 | 129 | 0.00 |
| 72 | 2-Chlorotoluene | 50.000 | 48.527 | 2.9 | 134 | 0.00 |
| 73 | 4-Chlorotoluene | 50.000 | 47.457 | 5.1 | 132 | 0.00 |
| 74 | 1,3,5-Trimethylbenzene | 50.000 | 49.882 | 0.2 | 128 | 0.00 |
| 75 | tert-Butylbenzene | 50.000 | 50.149 | -0.3 | 131 | 0.00 |
| 76 | 1,2,4-Trimethylbenzene | 50.000 | 49.296 | 1.4 | 127 | 0.00 |
| 77 | sec-Butylbenzene | 50.000 | 51.243 | -2.5 | 130 | 0.00 |
| 78 | p-Isopropyltoluene | 50.000 | 50.172 | -0.3 | 129 | 0.00 |
| 79 I | 1,4-Dichlorobenzene-d4 | 50.000 | 50.000 | 0.0 | 123 | 0.00 |
| 80 P | 1,3-Dichlorobenzene | 50.000 | 49.839 | 0.3 | 129 | 0.00 |
| 81 P | 1,4-Dichlorobenzene | 50.000 | 48.039 | 3.9 | 131 | 0.00 |
| 82 | n-Butylbenzene | 50.000 | 54.655 | -9.3 | 129 | 0.00 |
| 83 P | 1,2-Dichlorobenzene | 50.000 | 48.860 | 2.3 | 126 | 0.00 |
| 84 UN | Tetraethyllead | -1.000 | 0.000 | 0.0 | 0 | 0.00 |
| 85 P | 1,2-Dibromo-3-Chloropropane | 50.000 | 55.652 | -11.3 | 147 | 0.00 |
| 86 P | 1,2,4-Trichlorobenzene | 50.000 | 54.035 | -8.1 | 132 | 0.00 |
| 87 | 1,2,3-Trichlorobenzene | 50.000 | 52.730 | -5.5 | 130 | 0.00 |
| 88 | Hexachlorobutadiene | 50.000 | 47.139 | 5.7 | 128 | 0.00 |
| 89 | Naphthalene | 50.000 | 44.641 | 10.7 | 133 | 0.00 |

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

SEMI-VOLATILE SURROGATE RECOVERY

Lab Name: Paradigm Environmental Services
 Lab Project #: 184415
 Client Name: BE3
 Client Project Name: 31 + 150 Tonawanda
 Client Project #: N/A
 SDG No.: 4415-01

Matrix: Groundwater
 QC Batch: QC180928ABNW

Instrument ID: Instrument1
 GC Column : DB-5 ID (mm): 0.25 Detector: MSD

| LAB SAMPLE NO. | CLIENT SAMPLE ID | 2FBP (%Recovery) | 246TBP (%Recovery) | TPd14 (%Recovery) | Total Out |
|-------------------|---------------------|---------------------|-----------------------|----------------------|--------------|
| 1 Blk 1 | N/A | 45.0 | 71.4 | 68.9 | 0 |
| 2 LCS 1 | N/A | 46.0 | 68.2 | 63.7 | 0 |
| 3 184415-01 | 31-MW-2 | 44.4 | 64.0 | 56.9 | 0 |
| 4 184415-02 | 31-MW-1 | 46.6 | 66.7 | 56.6 * | 1 |
| 5 184415-03 | 31-MW-3 | 46.5 | 67.1 | 59.4 | 0 |
| 6 184415-03MS | 31-MW-3 | 39.3 | 62.1 | 55.9 * | 1 |
| 7 184415-03MSD | 31-MW-3 | 46.0 | 71.3 | 64.0 | 0 |
| 8 184415-04 | 31-MW-4 | 46.3 | 70.2 | 66.0 | 0 |
| 9 184415-05 | 31-MW-5 | 40.6 | 62.0 | 57.6 | 0 |
| 10 | | | | | |
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| 25 | | | | | |

QC LIMITS %

2FPB = 2-Fluorobiphenyl (28.7 - 98.8)
 246TBP = 2,4,6-Tribromophenol (48.7 - 113)
 TPd14 = Terphenyl-d14 (56.7 - 107)

* Values outside of current required QC limits
 D Surrogate diluted out

Response Factor Report Instrument #1

Method Path : C:\msdchem\1\methods\

Method File : ABN181001B.m

| | | | | | | | | | | | |
|--------|-------------------|----------------|-------|-------|-------|-------|-------|-------|-------|--------|--------|
| 38) P | Caprolactam | 0.178 | 0.189 | 0.191 | 0.190 | 0.189 | 0.188 | 0.191 | 0.192 | 0.188 | 2.31 |
| 39) P | 1,2,4,5-Tetrac... | 0.265 | 0.278 | 0.279 | 0.278 | 0.272 | 0.270 | 0.273 | 0.269 | 0.273 | 1.79 |
| 40) P | Biphenyl | 0.812 | 0.836 | 0.814 | 0.796 | 0.778 | 0.752 | 0.751 | 0.727 | 0.783 | 4.83 |
| 41) I | Acenaphthene-d10 | -----ISTD----- | | | | | | | | | |
| 42) P | 2-Chloronaphth... | 0.403 | 0.395 | 0.392 | 0.392 | 0.380 | 0.370 | 0.360 | 0.334 | 0.378# | 6.07 |
| 43) PM | Acenaphthene | 1.247 | 1.272 | 1.260 | 1.282 | 1.251 | 1.235 | 1.194 | 1.168 | 1.239 | 3.15 |
| 44) P | Acenaphthylene | 1.965 | 2.050 | 2.024 | 2.029 | 1.938 | 1.886 | 1.815 | 1.736 | 1.930 | 5.79 |
| 45) P | 4-Chlorophenyl... | 0.622 | 0.663 | 0.653 | 0.659 | 0.645 | 0.636 | 0.610 | 0.601 | 0.636 | 3.65 |
| 46) P | Dibenzofuran | 1.695 | 1.789 | 1.739 | 1.789 | 1.737 | 1.714 | 1.695 | 1.662 | 1.728 | 2.62 |
| 47) P | Diethyl phthalate | 1.404 | 1.462 | 1.473 | 1.495 | 1.449 | 1.412 | 1.373 | 1.310 | 1.422 | 4.25 |
| 48) P | Dimethyl phtha... | 1.364 | 1.410 | 1.386 | 1.370 | 1.321 | 1.275 | 1.238 | 1.196 | 1.320 | 5.80 |
| 49) PM | 2,4-Dinitrophenol | | 0.045 | 0.102 | 0.165 | 0.177 | 0.195 | 0.206 | 0.217 | 0.158 | 39.60* |
| 50) PM | 2,4-Dinitrotol... | 0.376 | 0.412 | 0.427 | 0.458 | 0.455 | 0.454 | 0.451 | 0.441 | 0.434 | 6.55 |
| 51) P | 2,6-Dinitrotol... | 0.293 | 0.317 | 0.325 | 0.337 | 0.336 | 0.334 | 0.331 | 0.328 | 0.325 | 4.51 |
| 52) P | Fluorene | 1.400 | 1.461 | 1.428 | 1.446 | 1.408 | 1.400 | 1.363 | 1.343 | 1.406 | 2.83 |
| 53) S | 2-Fluorobiphenyl | 1.417 | 1.489 | 1.461 | 1.484 | 1.432 | 1.425 | 1.407 | 1.371 | 1.436 | 2.79 |
| 54) P | Hexachlorocycl... | | 0.116 | 0.166 | 0.238 | 0.258 | 0.280 | 0.269 | 0.277 | 0.229 | 27.77* |
| 55) P | 2-Nitroaniline | 0.386 | 0.416 | 0.453 | 0.482 | 0.485 | 0.493 | 0.486 | 0.479 | 0.460 | 8.49 |
| 56) P | 3-Nitroaniline | 0.354 | 0.382 | 0.391 | 0.409 | 0.409 | 0.413 | 0.413 | 0.401 | 0.397 | 5.14 |
| 57) P | 4-Nitroaniline | 0.358 | 0.399 | 0.404 | 0.429 | 0.432 | 0.435 | 0.427 | 0.423 | 0.413 | 6.20 |
| 58) PM | 4-Nitrophenol | 0.220 | 0.273 | 0.298 | 0.328 | 0.335 | 0.346 | 0.351 | 0.352 | 0.313 | 14.86 |
| 59) S | 2,4,6-Tribromo... | 0.126 | 0.141 | 0.144 | 0.152 | 0.150 | 0.151 | 0.150 | 0.148 | 0.145 | 5.96 |
| 60) PM | 2,4,6-Trichlor... | 0.346 | 0.369 | 0.379 | 0.393 | 0.374 | 0.367 | 0.364 | 0.360 | 0.369 | 3.75 |
| 61) P | 2,4,5-Trichlor... | 0.359 | 0.392 | 0.399 | 0.417 | 0.393 | 0.383 | 0.388 | 0.398 | 0.391 | 4.20 |
| 62) P | 2,3,4,6-Tetrac... | 0.245 | 0.277 | 0.282 | 0.315 | 0.300 | 0.288 | 0.293 | 0.300 | 0.288 | 7.25 |
| 63) P | Atrazine | 0.362 | 0.389 | 0.387 | 0.376 | | | | | 0.379 | 3.27 ✓ |
| 64) I | Phenanthrene-d10 | -----ISTD----- | | | | | | | | | |
| 65) P | 4-Bromophenyl ... | 0.177 | 0.194 | 0.188 | 0.191 | 0.189 | 0.190 | 0.190 | 0.192 | 0.189 | 2.79 |
| 66) P | Di-n-butyl pht... | 1.218 | 1.282 | 1.305 | 1.350 | 1.312 | 1.323 | 1.310 | 1.315 | 1.302 | 2.98 |
| 67) PM | 4,6-Dinitro-2-... | 0.049 | 0.076 | 0.104 | 0.130 | 0.135 | 0.144 | 0.148 | 0.151 | 0.117 | 32.04* |
| 68) P | Fluoranthene | 1.122 | 1.163 | 1.172 | 1.186 | 1.164 | 1.180 | 1.179 | 1.187 | 1.169 | 1.80 |
| 69) P | Hexachlorobenzene | 0.170 | 0.181 | 0.179 | 0.182 | 0.182 | 0.184 | 0.184 | 0.190 | 0.182 | 3.15 |
| 70) P | N-Nitrosodiphe... | 0.636 | 0.669 | 0.653 | 0.651 | 0.622 | 0.637 | 0.628 | 0.617 | 0.639 | 2.74 |
| 71) PM | Pentachlorophenol | 0.018 | 0.035 | 0.057 | 0.082 | 0.082 | 0.086 | 0.093 | 0.102 | 0.069 | 42.99* |
| 72) P | Anthracene | 1.130 | 1.187 | 1.140 | 1.173 | 1.153 | 1.161 | 1.145 | 1.148 | 1.155 | 1.59 |
| 73) P | Phenanthrene | 1.106 | 1.154 | 1.120 | 1.124 | 1.102 | 1.095 | 1.086 | 1.074 | 1.108 | 2.25 |
| 74) P | Carbazole | 1.013 | 1.065 | 1.045 | 1.052 | 1.036 | 1.051 | 1.044 | 1.041 | 1.043 | 1.47 |
| 75) P | Benzo (a) anth... | 1.020 | 1.078 | 1.069 | 1.085 | 1.086 | 1.110 | 1.111 | 1.126 | 1.086 | 3.02 |
| 76) I | Chrysene-d12 | -----ISTD----- | | | | | | | | | |
| 77) P | Benzidine | 0.542 | 0.653 | 0.675 | 0.659 | 0.550 | 0.468 | | | 0.591 | 14.12 |
| 78) P | Bis (2-ethylhe... | 0.778 | 0.861 | 0.892 | 0.926 | 0.912 | 0.898 | 0.910 | 0.886 | 0.883 | 5.30 |
| 79) P | Butylbenzylpht... | 0.585 | 0.647 | 0.667 | 0.686 | 0.669 | 0.670 | 0.667 | 0.665 | 0.657 | 4.73 |
| 80) P | Chrysene | 1.120 | 1.188 | 1.164 | 1.176 | 1.135 | 1.139 | 1.134 | 1.140 | 1.150 | 2.07 |
| 81) P | 3,3'-Dichlorob... | 0.335 | 0.380 | 0.395 | 0.402 | 0.389 | 0.385 | 0.385 | 0.377 | 0.381 | 5.33 |
| 82) PM | Pyrene | 1.288 | 1.384 | 1.373 | 1.373 | 1.341 | 1.322 | 1.338 | 1.325 | 1.343 | 2.40 |

only 4pt I CAL

PESTICIDE SURROGATE RECOVERY

Lab Name: Paradigm Environmental Services
 Lab Project #: 184415
 Client Name: BE3
 Client Project Name: 31 + 150 Tonawanda
 Client Project #: N/A
 SDG No.: 4415-01

Matrix: Groundwater
 QC Batch: QC180926PESTW

Instrument ID: Dual ECD 1
 GC Column 1: Rtx-CLPesticides1 ID (mm): 0.32 Detector: ECD1

| | LAB SAMPLE NO. | CLIENT SAMPLE ID | TCmX (%Recovery) | DCBP (%Recovery) | Total Out |
|----|-------------------|---------------------|---------------------|---------------------|--------------|
| 1 | Blk 1 | N/A | 85.5 | 82.5 | 0 |
| 2 | LCS 1 | N/A | 69.5 | 133 | 0 |
| 3 | LCS Tox1 | N/A | 48.2 | 43.1 | 0 |
| 4 | 184415-01 | 31-MW-2 | 90.5 | 78.1 | 0 |
| 5 | 184415-02 | 31-MW-1 | 86.1 | 75.3 | 0 |
| 6 | 184415-03 | 31-MW-3 | 7.74 * | 23.1 | 1 |
| 7 | 184415-03MS | 31-MW-3 | 20.5 * | 60.3 | 1 |
| 8 | 184415-03MSD | 31-MW-3 | 7.26 * | 51.1 | 1 |
| 9 | 184415-04 | 31-MW-4 | 60.6 | 74.9 | 0 |
| 10 | 184415-05 | 31-MW-5 | 106 | 54.9 | 0 |
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| 25 | | | | | |

TCmX = Tetrachloro-m-xylene
 DCBP = Decachlorobiphenyl

QC LIMITS %
 (35.1 - 106)
 (23.1 - 153)

* Values outside of current required QC limits
 D Surrogate diluted out



QC Report for Matrix Spike and Matrix Spike Duplicate

Client: BE3
Project Reference: 31 + 150 Tonawanda

SDG #: 4415-01
Lab Project ID: 184415

Lab Sample ID: 184415-03
Sample Identifier: 31-MW-3
Matrix: Groundwater

Date Sampled: 9/24/2018
Date Received: 9/25/2018
Date Analyzed: 9/26/2018

Chlorinated Pesticides

| | <u>Sample</u> | <u>Result</u> | <u>MS</u> | <u>MS</u> | <u>MS %</u> | <u>MSD</u> | <u>MSD</u> | <u>MSD %</u> | <u>% Rec.</u> | <u>MS</u> | <u>MSD</u> | <u>Relative</u> | <u>RPD</u> | <u>RPD</u> |
|------------------------|---------------|---------------|--------------|---------------|-----------------|--------------|---------------|-----------------|---------------|----------------|----------------|-----------------|--------------|----------------|
| <u>Analyte</u> | <u>Result</u> | <u>Units</u> | <u>Added</u> | <u>Result</u> | <u>Recovery</u> | <u>Added</u> | <u>Result</u> | <u>Recovery</u> | <u>Limits</u> | <u>Outlier</u> | <u>Outlier</u> | <u>% Diff.</u> | <u>Limit</u> | <u>Outlier</u> |
| 4,4-DDD (1) | 0.00 | ug/L | 1.00 | 0.241 | 24.1 | 1.00 | 0.198 | 19.8 | 57.1 - 131 | * | * | 19.8 | 15.5 | * |
| 4,4-DDE (1) | 0.00 | ug/L | 1.00 | 0.253 | 25.3 | 1.00 | 0.253 | 25.3 | 53 - 135 | * | * | 0.0803 | 16.2 | |
| 4,4-DDT (1) | 0.00997 | ug/L | 1.00 | 0.307 | 29.7 | 1.00 | 0.233 | 22.3 | 65.6 - 123 | * | * | 28.2 | 11.9 | * |
| Aldrin (1) | 0.0162 | ug/L | 1.00 | 0.209 | 19.3 | 1.00 | 0.185 | 16.8 | 34.9 - 131 | * | * | 13.5 | 22.5 | |
| alpha-BHC (1) | 0.204 | ug/L | 1.00 | 0.223 | 1.89 | 1.00 | 0.208 | 0.385 | 49.4 - 117 | * | * | 132 | 14.1 | * |
| beta-BHC (1) | 0.00 | ug/L | 1.00 | 0.326 | 32.6 | 1.00 | 0.221 | 22.1 | 67.1 - 121 | * | * | 38.4 | 13.4 | * |
| cis-Chlordane (1) | 0.0291 | ug/L | 1.00 | 0.259 | 23.0 | 1.00 | 0.240 | 21.1 | 60.9 - 122 | * | * | 8.33 | 15 | |
| delta-BHC (1) | 0.0671 | ug/L | 1.00 | 0.155 | 8.76 | 1.00 | 0.0949 | 2.78 | 57.2 - 118 | * | * | 104 | 10.8 | * |
| Dieldrin (1) | 0.0100 | ug/L | 1.00 | 0.213 | 20.3 | 1.00 | 0.170 | 16.0 | 51.3 - 124 | * | * | 23.6 | 16 | * |
| Endosulfan I (1) | 0.00 | ug/L | 1.00 | 0.217 | 21.7 | 1.00 | 0.180 | 18.0 | 56.3 - 123 | * | * | 18.2 | 16 | * |
| Endosulfan II (1) | 0.00 | ug/L | 1.00 | 0.287 | 28.7 | 1.00 | 0.212 | 21.2 | 70.3 - 130 | * | * | 29.7 | 11.8 | * |
| Endosulfan Sulfate (1) | 0.00 | ug/L | 1.00 | 0.316 | 31.6 | 1.00 | 0.202 | 20.2 | 65.8 - 137 | * | * | 44.3 | 11.5 | * |
| Endrin (1) | 0.0247 | ug/L | 1.00 | 0.252 | 22.7 | 1.00 | 0.209 | 18.4 | 50.5 - 120 | * | * | 20.9 | 16.1 | * |
| Endrin Aldehyde (1) | 0.00 | ug/L | 1.00 | 0.243 | 24.3 | 1.00 | 0.198 | 19.8 | 10 - 144 | | | 20.3 | 31.1 | |

Any estimated values are displayed, and derived values calculated, based on numeric result only. See primary analytical report for data flags.

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.



QC Report for Matrix Spike and Matrix Spike Duplicate

Client: BE3
Project Reference: 31 + 150 Tonawanda

SDG #: 4415-01
Lab Project ID: 184415

Lab Sample ID: 184415-03
Sample Identifier: 31-MW-3
Matrix: Groundwater

Date Sampled: 9/24/2018
Date Received: 9/25/2018
Date Analyzed: 9/26/2018

Chlorinated Pesticides

| | <u>Sample</u> | <u>Result</u> | <u>MS</u> | <u>MS</u> | <u>MS %</u> | <u>MSD</u> | <u>MSD</u> | <u>MSD %</u> | <u>% Rec.</u> | <u>MS</u> | <u>MSD</u> | <u>Relative</u> | <u>RPD</u> | <u>RPD</u> |
|-------------------------|---------------|---------------|--------------|---------------|-----------------|--------------|---------------|-----------------|---------------|----------------|----------------|-----------------|--------------|----------------|
| <u>Analyte</u> | <u>Result</u> | <u>Units</u> | <u>Added</u> | <u>Result</u> | <u>Recovery</u> | <u>Added</u> | <u>Result</u> | <u>Recovery</u> | <u>Limits</u> | <u>Outlier</u> | <u>Outlier</u> | <u>% Diff.</u> | <u>Limit</u> | <u>Outlier</u> |
| Endrin Ketone (1) | 0.00 | ug/L | 1.00 | 0.374 | 37.4 | 1.00 | 0.293 | 29.3 | 78.4 - 162 | * | * | 24.4 | 14.3 | * |
| gamma-BHC (Lindane) (1) | 0.00 | ug/L | 1.00 | 0.252 | 25.2 | 1.00 | 0.190 | 19.0 | 60.2 - 116 | * | * | 28.1 | 12.3 | * |
| Heptachlor (1) | 0.104 | ug/L | 1.00 | 0.164 | 6.05 | 1.00 | 0.265 | 16.1 | 43.5 - 130 | * | * | 90.7 | 17.2 | * |
| Heptachlor Epoxide (1) | 0.0191 | ug/L | 1.00 | 0.216 | 19.7 | 1.00 | 0.213 | 19.4 | 57.7 - 130 | * | * | 1.57 | 14.8 | |
| Methoxychlor (1) | 0.00 | ug/L | 1.00 | 0.423 | 42.3 | 1.00 | 0.199 | 19.9 | 73.1 - 143 | * | * | 72.1 | 13.7 | * |
| trans-Chlordane (1) | 0.00 | ug/L | 1.00 | 0.184 | 18.4 | 1.00 | 0.197 | 19.7 | 51.4 - 114 | * | * | 6.71 | 15.6 | |

Method Reference(s): EPA 8081B
EPA 3510C
Preparation Date: 9/26/2018
Data File(s): ST032032.D
ST032033.D
ST032031.D
1
QC Batch ID: QC180926PESTW

To provide the required consistency for recovery calculations, all values shown on the QC reports are derived from column 1 only. Therefore, in some cases the value shown for sample amount on the QC report may not match the 'Form 1' sample result.

Any estimated values are displayed, and derived values calculated, based on numeric result only. See primary analytical report for data flags.

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Sample ID: 31-MW-2
Lab Sample #: 184415-01

Date Analyzed: 9/26/2018
Time Analyzed: 16:26
Matrix: Groundwater

Detector 2: ECD2

[illegible]

* = Outside QC limits

CRQL-4

Sample ID: 31-MW-1
Lab Sample #: 184415-02

Date Analyzed: 9/26/2018
Time Analyzed: 16:41
Matrix: Groundwater

Detector 1: ECD1
Detector 2: ECD2

J
CPAL-U

* = Outside QC limits

Sample ID: 31-MW-3
Lab Sample #: 184415-03

Date Analyzed: 9/26/2018
Time Analyzed: 16:56
Matrix: Groundwater

Detector 1: ECD1
Detector 2: ECD2

5

* = Outside QC limits

Sample ID: 31-MW-5
Lab Sample #: 184415-05

Date Analyzed: 9/26/2018
Time Analyzed: 17:58
Matrix: Groundwater

Detector 2: ECD2

%D = $\leq 40\%$; Passes
* = Outside QC limits

2
PCB SURROGATE RECOVERY

Lab Name: Paradigm Environmental Services
 Lab Project #: 184415
 Client Name: BE3
 Client Project Name: 31 + 150 Tonawanda
 Client Project #: N/A
 SDG No.: 4415-01

Matrix: Groundwater
 QC Batch: QC180927PCBW

Instrument ID: ECD1
 GC Column: Rtx-PCB ID (mm): 0.32 Detector: uECD

| | LAB SAMPLE NO. | CLIENT SAMPLE ID | TCmX (%Recovery) | DCBP (%Recovery) | Total Out |
|----|-------------------|---------------------|---------------------|---------------------|--------------|
| 1 | Blk 1+AFS | N/A | 43.6 | 87.6 | 0 |
| 2 | LCS 1+AFS | N/A | 44.7 | 75.0 | 0 |
| 3 | 184415-01+AFS | 31-MW-2 | 50.4 | 98.8 | 0 |
| 4 | 184415-02+AFS | 31-MW-1 | 35.3 | 63.7 | 0 |
| 5 | 184415-03+AFS | 31-MW-3 | 551 * | 88.9 | 1 |
| 6 | 184415-03MS+AFS | 31-MW-3 | 493 * | 76.1 | 1 |
| 7 | 184415-03MSD+AFS | 31-MW-3 | 546 * | 73.9 | 1 |
| 8 | 184415-04+AFS | 31-MW-4 | 49.6 | 104 * | 1 |
| 9 | 184415-05+AFS | 31-MW-5 | 41.00 | 47.8 | 0 |
| 10 | | | | | |
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TCmX = Tetrachloro-m-xylene
 DCBP = Decachlorobiphenyl

QC LIMITS %
 (10 - 84.8)
 (10 - 103)

* Values outside of current required QC limits
 D Surrogate diluted out



Method Blank Report

Client: BE3
Project Reference: 31 + 150 Tonawanda
Lab Project ID: 184415
SDG #: 4415-01
Matrix: Groundwater

PCBs

| <u>Analyte</u> | <u>Result</u> | <u>Units</u> | <u>Qualifier</u> | <u>Date Analyzed</u> | |
|----------------|---------------|--------------|------------------|----------------------|-------|
| PCB-1016 | <0.100 | ug/L | | 9/29/2018 | 21:20 |
| PCB-1221 | <0.100 | ug/L | | 9/29/2018 | 21:20 |
| PCB-1232 | <0.100 | ug/L | | 9/29/2018 | 21:20 |
| PCB-1242 | <0.100 | ug/L | | 9/29/2018 | 21:20 |
| PCB-1248 | <0.100 | ug/L | | 9/29/2018 | 21:20 |
| PCB-1254 | <0.100 | ug/L | | 9/29/2018 | 21:20 |
| PCB-1260 | 0.0688 | ug/L | J | 9/29/2018 | 21:20 |
| PCB-1262 | <0.100 | ug/L | | 9/29/2018 | 21:20 |
| PCB-1268 | <0.100 | ug/L | | 9/29/2018 | 21:20 |

| <u>Surrogate</u> | <u>Percent Recovery</u> | <u>Limits</u> | <u>Outliers</u> | <u>Date Analyzed</u> | |
|----------------------|-------------------------|---------------|-----------------|----------------------|-------|
| Decachlorobiphenyl | 87.6 | 10 - 103 | | 9/29/2018 | 21:20 |
| Tetrachloro-m-xylene | 43.6 | 10 - 84.8 | | 9/29/2018 | 21:20 |

Method Reference(s): EPA 8082A
EPA 3510C
Preparation Date: 9/27/2018
QC Batch ID: QC180927PCBW
QC Number: 1

Matrix Spike Form 3

Client : Paradigm Environmental Services
Project Name : 31-150 TONAWANDA ST
Client Sample ID : 31-MW-3
Lab Sample ID : L1838408-02
Matrix Spike : WG1161971-6
Matrix Spike Dup : WG1161971-7

Lab Number : L1838408
Project Number : 31-150 TONAWANDA ST
Matrix : WATER
Analysis Date : 10/05/18 10:03
MS Analysis Date : 10/05/18 10:20
MSD Analysis Date : 10/05/18 10:37

| Parameter | Sample Conc. (ng/l) | Matrix Spike Sample | | %R | Matrix Spike Duplicate | | %R | RPD | Recovery Limits | RPD Limit |
|--|------------------------|-----------------------|-----------------------|-------|------------------------|-----------------------|-----|------|-----------------|-----------|
| | | Spike Added (ng/l) | Spike Conc. (ng/l) | | Spike Added (ng/l) | Spike Conc. (ng/l) | | | | |
| Perfluorobutanoic Acid (PFBA) | 12.6 | 39.4 | 64.3 | 131 | 39.2 | 63.6 | 130 | 1 | 67-148 | 30 |
| Perfluoropentanoic Acid (PFPeA) | 30.2 | 39.4 | 75.0 | 114 | 39.2 | 80.5 | 128 | 7 | 63-161 | 30 |
| Perfluorobutanesulfonic Acid (PFBS) | ND | 39.4 | 54.8 | 139 | 39.2 | 48.7 | 124 | 12 | 65-157 | 30 |
| Perfluorohexanoic Acid (PFHxA) | 14.5 | 39.4 | 68.6 | 137 | 39.2 | 65.5 | 130 | 5 | 69-168 | 30 |
| Perfluoroheptanoic Acid (PFHpA) | 8.37 | 39.4 | 57.6 | 125 | 39.2 | 58.0 | 127 | 1 | 58-159 | 30 |
| Perfluorohexanesulfonic Acid (PFHxS) | 4.52 | 39.4 | 59.4 | 139 | 39.2 | 56.6 | 133 | 5 | 69-177 | 30 |
| Perfluorooctanoic Acid (PFOA) | 14.8 | 39.4 | 63.9 | 125 | 39.2 | 67.0 | 133 | 5 | 63-159 | 30 |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS) | 6.98 | 39.4 | 56.9 | 127 | 39.2 | 54.5 | 121 | 4 | 49-187 | 30 |
| Perfluoroheptanesulfonic Acid (PFHpS) | ND | 39.4 | 40.4 | 103 | 39.2 | 50.4 | 129 | 22 | 61-179 | 30 |
| Perfluorononanoic Acid (PFNA) | 1.72J | 39.4 | 55.5 | 141 | 39.2 | 53.3 | 136 | 4 | 68-171 | 30 |
| Perfluorooctanesulfonic Acid (PFOS) | 10.0 | 39.4 | 44.8 | 88 | 39.2 | 44.4 | 88 | 1 | 52-151 | 30 |
| Perfluorodecanoic Acid (PFDA) | ND | 39.4 | 49.8 | 126 | 39.2 | 57.7 | 147 | 15 | 63-171 | 30 |
| 1H,1H,2H,2H-Perfluorodecane sulfonic Acid (8:2FTS) | ND | 39.4 | 77.3 | 196 Q | 39.2 | 49.9 | 127 | 43 Q | 56-173 | 30 |
| N-Methyl Perfluorooctanesulfonamide doacetic Acid (NMeFOSAA) | ND | 39.4 | 36.1 | 92 | 39.2 | 44.1 | 112 | 20 | 60-166 | 30 |
| Perfluoroundecanoic Acid (PFUnA) | ND | 39.4 | 44.7 | 114 | 39.2 | 50.1 | 128 | 11 | 60-153 | 30 |
| Perfluorodecane sulfonic Acid (PFDS) | ND | 39.4 | 53.6 | 136 | 39.2 | 56.6 | 144 | 5 | 38-156 | 30 |



Laboratory Control Sample Form 3

| | | | |
|----------------|-----------------------------------|----------------|-----------------------|
| Client | : Paradigm Environmental Services | Lab Number | : L1838408 |
| Project Name | : 31-150 TONAWANDA ST | Project Number | : 31-150 TONAWANDA ST |
| Matrix | : WATER | | |
| LCS Sample ID | : WG1161971-2 | Analysis Date | : 10/05/18 03:42 |
| LCSD Sample ID | : WG1161971-3 | Analysis Date | : 10/05/18 03:59 |
| | | File ID | : I10790 |
| | | File ID | : I10791 |

| Parameter | Laboratory Control Sample | | | Laboratory Control Duplicate | | | RPD | Recovery Limits | RPD Limit |
|--|---------------------------|--------------|-----|------------------------------|--------------|-----|-----|-----------------|-----------|
| | True (ng/l) | Found (ng/l) | %R | True (ng/l) | Found (ng/l) | %R | | | |
| Perfluorobutanoic Acid (PFBA) | 40 | 51.3 | 128 | 40 | 50.0 | 125 | 2 | 67-148 | 30 |
| Perfluoropentanoic Acid (PFPeA) | 40 | 49.4 | 123 | 40 | 52.7 | 132 | 7 | 63-161 | 30 |
| Perfluorobutanesulfonic Acid (PFBS) | 40 | 49.5 | 124 | 40 | 51.8 | 129 | 4 | 65-157 | 30 |
| Perfluorohexanoic Acid (PFHxA) | 40 | 54.4 | 136 | 40 | 56.0 | 140 | 3 | 69-168 | 30 |
| Perfluoroheptanoic Acid (PFHpA) | 40 | 52.4 | 131 | 40 | 50.3 | 126 | 4 | 58-159 | 30 |
| Perfluorohexanesulfonic Acid (PFHxS) | 40 | 51.8 | 130 | 40 | 51.8 | 130 | 0 | 69-177 | 30 |
| Perfluorooctanoic Acid (PFOA) | 40 | 56.0 | 140 | 40 | 52.8 | 132 | 6 | 63-159 | 30 |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS) | 40 | 52.5 | 131 | 40 | 61.8 | 154 | 16 | 49-187 | 30 |
| Perfluoroheptanesulfonic Acid (PFHpS) | 40 | 44.8 | 112 | 40 | 58.2 | 146 | 26 | 61-179 | 30 |
| Perfluorononanoic Acid (PFNA) | 40 | 51.4 | 128 | 40 | 51.5 | 129 | 1 | 68-171 | 30 |
| Perfluorooctanesulfonic Acid (PFOS) | 40 | 36.2 | 90 | 40 | 39.9 | 100 | 11 | 52-151 | 30 |
| Perfluorodecanoic Acid (PFDA) | 40 | 56.8 | 142 | 40 | 58.9 | 147 | 3 | 63-171 | 30 |
| 1H,1H,2H,2H-Perfluorodecane sulfonic Acid (8:2FTS) | 40 | 44.6 | 111 | 40 | 61.7 | 154 | 32 | 56-173 | 30 |
| N-Methyl Perfluorooctanesulfonamide doacetic Acid (NMeFOSAA) | 40 | 63.7 | 159 | 40 | 46.0 | 115 | 32 | 60-166 | 30 |



Appendix C

Validator Qualifications

KENNETH R. APPLIN
Geochemist/Data Validator

Ph.D., Geochemistry and Mineralogy, The Pennsylvania State University

M.S., Geochemistry and Mineralogy, The Pennsylvania State University

B.A., Geological Sciences, SUNY at Geneseo, NY

Dr. Applin has over 35 years of experience working with the geochemistry of natural waters. His prior experience includes working as an Assistant Professor of Geology at the University of Missouri-Columbia and as Chief Hydrogeologist and Geochemist with a leading engineering firm in Rochester, NY. In 1993, he established KR Applin and Associates, a small consulting business that focuses on the geochemistry of natural waters, especially as applied to problems involving the contamination of groundwater and surface water.

Dr. Applin is also an experienced analytical data validator and has provided data validation services since 1994 to a variety of clients performing brownfield cleanup projects, hazardous waste remediation, groundwater monitoring at solid waste facilities, and other projects requiring third-party data validation. Dr. Applin has several years of hands-on experience with the laboratory analysis of natural waters and has successfully completed the USEPA Region II certification courses for performing inorganic and organic analytical data validation.

MICHAEL K. PERRY
Chemist/Data Validator

B.S. Chemistry, Georgia State University, Atlanta, GA

A.A.S., Chemical Technology, Alfred State College, Alfred, NY

Mr. Perry has over 30 years of experience in the analytical laboratory business. During his early career, he spent several years as a laboratory analyst performing the analysis of soil, water, and air samples for inorganic and organic chemical parameters. During his last 20 years in the environmental laboratory business, he managed and directed two major analytical laboratories in Rochester, NY. His management responsibilities included oversight of the daily operations of the lab, staff training and supervision, the selection, purchase, and maintenance of analytical instruments, the introduction of new laboratory methods, analytical quality assurance and quality control, data acquisition and management, and other business-related activities.

Mr. Perry has an extensive working knowledge of the methods and procedures used for sampling and analyzing both inorganic and organic analytes in soil, water, and air. He is an accomplished laboratory chemist and is familiar with the analytical methods and procedures established under the USEPA Contract Laboratory Protocols (CLP), the NYSDEC Analytical Services Protocols (ASP), and the NYSDOH Environmental Laboratory Approval Program (ELAP).

DATA USABILITY SUMMARY REPORT (DUSR)

**31 Tonawanda Street
Buffalo, NY
NYSDEC BCP # C915299**

SDG: C1808061
14 air samples

Prepared for:

**BE3/Panamerican
1270 Niagara Street
Buffalo, NY 14213**

September 2018



Environmental Data Usability 10028 Deer Park Dr. Dansville, NY 14437 585.991.9156

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| 3.0 SAMPLE AND ANALYSIS SUMMARY | 2 |
| 4.0 GUIDANCE DOCUMENTS AND DATA REVIEW CRITERIA | 2 |
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REVIEWER'S NARRATIVE
SDG C1808061

The data associated with this Sample Delivery Group (SDG) C1808061, analyzed by Centek Laboratories, LLC Syracuse, NY have been reviewed in accordance with assessment criteria provided by the New York State Department of Environmental Conservation following the review procedures provided in the USEPA Functional Guidelines for evaluating organic and inorganic data.

All analytical results reported by the laboratory are considered valid and acceptable except results that have been qualified as rejected, "R". Results qualified as estimated "J", or as non-detects, "U", are considered usable for the purpose of evaluating water and/or soil quality. However, these qualifiers indicate that the accuracy and/or precision of the analytical result is questionable. A summary of all data that have been qualified and the reasons for qualification are provided in the following data usability summary report (DUSR).

Two facts should be noted by all data users. First, the "R" qualifier means that the associated value is unusable. In other words, due to significant quality control (QC) problems, the analysis is invalid and provides no information as to whether the analyte is present or not. Values qualified with an "R" should not appear on the final data tables because they cannot be relied upon, even as the last resort. Second, no analyte concentration, even if it has passed all QC tests, is guaranteed to be accurate. Strict QC serves to increase confidence in data, but any value potentially contains error.

Reviewer's Signature: Michael K. Perry Date: 9/25/18
Michael K. Perry
Chemist

1.0 SUMMARY

SITE: 31 Tonawanda Street
Buffalo, NY

SAMPLING DATE: August 21, 2018

SAMPLE TYPE: 14 - TO-15 air samples

LABORATORY: Centek Laboratories, LLC.
Syracuse, NY

SDG No.: C1808061

2.0 INTRODUCTION

This data usability summary report (DUSR) was prepared in accordance with guidance provided by the New York State Department of Environmental Conservation (NYSDEC). The DUSR is based on a review and evaluation of the laboratory analytical data package. Specifically, the NYSDEC guidance recommends review and evaluation of the following elements of the data package:

- Completeness of the data package as defined under the requirements of the NYSDEC Analytical Services Protocols (ASP) Category B or the United States Environmental Protection Agency (USEPA) Contract Laboratory Program (CLP) deliverables,
- Compliance with established analyte holding times,
- Adherence to quality control (QC) limits and specifications for blanks, instrument tuning and calibration, surrogate recoveries, spike recoveries, laboratory duplicate analyses, and other QC criteria,
- Adherence to established analytical protocols,
- Conformance of data summary sheets with raw analytical data, and
- Use of correct data qualifiers.

Data deficiencies, analytical protocol deviations, and quality control problems identified using the review criteria above and their effect on the analytical results are discussed in this report.

3.0 SAMPLE AND ANALYSIS SUMMARY

The data package consists of analytical results for 14 air samples collected on August 21, 2018. These samples were analyzed for TO-15 volatile organic compounds.

All laboratory analyses were performed by Centek Laboratories, LLC, Syracuse, NY and analyzed as SDG C1808061. The analytical results were provided in NYSDEC ASP Category B format, which includes all raw analytical data and laboratory QC data.

4.0 GUIDANCE DOCUMENTS AND DATA REVIEW CRITERIA

The guidance documents used for reviewing laboratory quality control (QC) data and assigning data qualifiers (flags) to analytical results are listed in Table 4-1. The QC limits established in the documents applicable to this data review were used to assess the quality of the analytical results. In some cases, however, QC limits established internally by the laboratory were taken into account to determine data quality.

The QC criteria considered for assessing the usability of the reported analytical results provided for each analyte type (i.e. VOCs, SVOCs, metals, etc.) are listed in Table 4-2. These criteria may vary with the analytical method utilized by the laboratory. These criteria comply with the guidance recommended in Section 2.0 above.

5.0 DATA VALIDATION QUALIFIERS

The letter qualifiers (flags) used to define data usability are described briefly below. These letters are assigned by the data validator to analytical results having questionable accuracy and/or precision as determined by reviewing the laboratory QC data associated with the analytical results.

The laboratory may also use various letters and symbols to flag analytical results generated when QC limits were exceeded. The meanings of

TABLE 4-1

DATA VALIDATION GUIDANCE DOCUMENTS

| Analyte Type | Validation Guidance |
|-----------------------|--|
| VOCs | USEPA, 2008, Validating Volatile Organic Compounds By Gas Chromatography/Mass Spectrometry; SW-846 Method 8260B; SOP # HW-24, Rev. 2. USEPA, 2008, Statement of Work for Organic Analysis of Low/Medium Concentration of Volatile Organic Compounds SOM01.2; SOP HW-33, Rev. 2. |
| SVOCs | USEPA, 2007, Statement of Work for Organic Analysis of Low/Medium Concentration of Semivolatile Organic Compounds SOM01.2; SOP HW-35, Rev. 1. |
| Pesticides/PCBs | USEPA, 2006, CLP Organics Data Review and Preliminary Review (CLP/SOW OLMO 4.3); SOP # HW-6, Rev. 14, Part C. |
| Metals | USEPA, 2006, Validation of Metals for the Contract Laboratory Program (CLP) based on SOW ILMO 5.3 (SOP Revision 13), SOP # HW-2, Rev. 13. |
| Gen Chemistry | NYSDEC, 2005, Analytical Services Protocols (ASP) |
| VOCs (Ambient air) | USEPA, 2006, Validating Air Samples, Volatile Organic Analysis of Ambient Air in Canister by Method TO-15; SOP # HW-31, Rev. 4. |

TABLE 4-2

**QUALITY CONTROL CRITERIA USED FOR VALIDATING
LABORATORY ANALYTICAL DATA**

| VOCs | SVOCs | Pesticides/PCBs | Metals | Gen Chemistry | Method TO-15 |
|---|---|---|--|--|---|
| Completeness of Pkg Sample Condition Holding Time System Monitoring Compounds Lab Control Sample Matrix Spikes Blanks Instrument Tuning Internal Standards Initial Calibration Continuing Calibration Lab Qualifiers Field Duplicate | Completeness of Pkg Sample Condition Holding Time Surrogate Recoveries Lab Control Sample Matrix Spikes Blanks Instrument Tuning Internal Standards Initial Calibration Continuing Calibration Lab Qualifiers Field Duplicate | Completeness of Pkg Sample Condition Holding Time Surrogate Recoveries Matrix Spikes Blanks Instrument Calibration & Verification Analyte ID Lab Qualifiers Field Duplicate | Completeness of Pkg Sample Condition Holding Time Initial/Continuing Calibration CRDL Standards Blanks Interference Check Sample Spike Recoveries Lab Duplicate Lab Control Sample ICP Serial Dilutions Lab Qualifiers Field Duplicate | Completeness of Pkg Sample Condition Holding Times Calibration Lab Control Samples Blanks Spike Recoveries Lab Duplicates | Completeness of Pkg Sample Condition Holding Time Canister Certification Lab Control Sample Instrument Tuning Blanks Initial Calibration & System Performance Daily Calibration Field Duplicate |

these flags may differ from those used by the independent data validator. Those used by the laboratory are provided with the analytical results.

NOTE: The assignment of data qualifiers by the data reviewer (validator) to laboratory analytical results should not necessarily be interpreted by the data user as a measure of laboratory ability or proficiency. Rather, the qualifiers are intended to provide a measure of data accuracy and precision to the data user, which, for example, may provide a level of confidence in determining whether or not standards or cleanup objectives have been met.

- U** The analyte was analyzed for but was not detected at or above the sample quantitation limit.
- J** The analyte was positively identified; the associated numerical value is the *approximate* concentration of the analyte in the sample. (The magnitude of any \pm value associated with the result is not determined by data validation).
- UJ** The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is *approximate* and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
- R** The sample result is rejected (i.e., is unusable) due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.
- N** The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification".
- JN** The analyte is considered to be "presumptively present." The associated numerical value represents its *approximate* concentration.

The validated analytical results are attached to this report. Validation qualifiers (flags) are indicated using red ink. Data sheets having qualified data are signed and dated by the data reviewer.

6.0 RESULTS OF THE DATA REVIEW

The results of the data review are summarized in Table 6-1. The tables list the samples where QC criteria were found to exceed acceptable limits and the actions taken to qualify the associated analytical results.

7.0 TOTAL USABLE DATA

For SDG C1808061, fourteen samples were analyzed and results were reported for 896 analyses. Even though some results were flagged with a “J” as estimated, all results (100%) are considered usable. See the summary table for the flagged analytes and the associated QC reasons.

C1808061

Table 6-1 TO-15

| SAMPLES AFFECTED | ANALYTES | ACTION | QC VIOLATION | COMMENTS |
|---|---|---------------|--|--|
| All samples | Many analytes | none | LCSD-8/27/18 < 70 % | Since other LCS recoveries are within QC limits, no flags were added |
| All samples | All Analytes | | LCS-8/27/18 - OK LCS/LCSD -8/28/18 - OK | No action |
| SS-04 SS-06 SS-01 SS-05 IA-05 | Toluene Methyl Isobutyl Ketone Dibromochloromethane Methyl Butyl Ketone 1,2-Dibromoethane Tetrachloroethene Chlorobenzene Ethylbenzene m & p-Xylene Styrene Bromoform o-Xylene 1,1,2,2-Tetrachloroethane 4-Ethyltoluene 1,2,4-Trimethylbenzene 1,2-Dichlorobenzene 1,3-Dichlorobenzene 1,4-Dichlorobenzene Benzyl Chloride 1,3,5-Trimethylbenzene 1,2,4-Trichlorobenzene Hexachlorobutadiene | J detects | IS#3 area > 140 % | Detected results are estimated |

C1808061

| | | | | |
|-------------------------|--|------------|--|--|
| SS-01 SS-06 | 1,1,1-Trichloroethane Cyclohexane Carbon Tetrachloride Benzene 1,4-Dioxane 2,2,4-Trimethylpentane Heptane Trichloroethene 1,2-Dichloropropane Bromodichloromethane cis-1,3-Dichloropropene trans-1,3-Dichloropropene 1,1,2-Trichloroethane | J detects | IS#2 area > 140 % | Detected results are estimated |
| FD-01 SS-02 SS-03 | All Analytes | J detects | IS#1, 2, and 3 area > 140 % | Detected results are estimated |
| All samples | Isopropyl Alcohol | JN detects | Relative Intensity of characteristic ions not +/- 30 % | Compounds are tentatively identified and results are estimated |
| OA-01 IA-05 | Heptane | JN detects | Relative Intensity of characteristic ions not +/- 30 % | Compound is tentatively identified and results are estimated |

ACRONYMS

| | |
|--------|--------------------------------------|
| BSP | Blank Spike |
| CCAL | Continuing Calibration |
| CCB | Continuing Calibration Blank |
| CCV | Continuing Calibration Verification |
| CRDL | Contract Required Detection Limit |
| CRQL | Contract Required Quantitation Limit |
| %D | Percent Difference |
| ICAL | Initial Calibration |
| ICB | Initial Calibration Blank |
| IS | Internal Standard |
| LCS | Laboratory Control Sample |
| MS/MSD | Matrix Spike/Matrix Spike Duplicate |
| QA | Quality Assurance |
| QC | Quality Control |
| %R | Percent recovery |
| RPD | Relative Percent Difference |
| RRF | Relative Response Factor |
| %RSD | Percent Relative Standard Deviation |
| TAL | Target Analyte List (metals) |
| TCL | Target Compound List (organics) |

Appendix A

Validated Analytical Results



CENTEK LABORATORIES, LLC

143 Midler Park Drive * Syracuse, NY 13206

Phone (315) 431-9730 * Emergency 24/7 (315) 416-2752

NYSDOH ELAP

Certificate No. 11830

Analytical Report

Alex Brennan
BE3/Panamerican
1270 Niagara Street
Buffalo, NY 14213

Friday, August 31, 2018
Order No.: C1808061

TEL: (716) 249-6880

FAX

RE: 31 Tonawanda St

Dear Alex Brennan:

Centek Laboratories, LLC received 14 sample(s) on 8/24/2018 for the analyses presented in the following report.

I certify that this data package is in compliance with the terms and conditions of the Contract, both technically and for completeness. Release of the data contained in this hardcopy data package and/or in the computer readable data submitted has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

All method blanks, laboratory spikes, and/or matrix spikes met quality assurance objective except as indicated in the case narrative. All samples were received and analyzed within the EPA recommended holding times. Test results are not Method Blank (MB) corrected for contamination.

Centek Laboratories is distinctively qualified to meet your needs for precise and timely volatile organic compound analysis. We perform all analyses according to EPA, NIOSH or OSHA-approved analytical methods. Centek Laboratories is dedicated to providing quality analyses and exceptional customer service. Samples were analyzed using the methods outlined in the following references:

Compendium of Methods for the Determination of Toxic Organic Compounds, Compendium Method TO-15, January 1999.

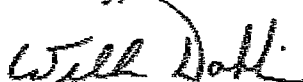
Centek Laboratories SOP TS-80

Analytical results relate to samples as received at laboratory. We do our best to make our reporting format clear and understandable and hope you are thoroughly satisfied with our services.

Please contact your client service representative at (315) 431-9730 or myself, if you would like any additional information regarding this report.

This report cannot be reproduced except in its entirety, without prior written authorization.

Sincerely,



William Dobbin
Lead Technical Director

Disclaimer: The test results and procedures utilized, and laboratory interpretations of the data obtained by Centek as contained in this report are believed by Centek to be accurate and reliable for sample(s) tested. In accepting this report, the customer agrees that the full extent of any and all liability for actual and consequential damages of Centek for the services performed shall be equal to the fee charged to the customer for the services as liquidated damages. ELAP does not offer certification for the following parameters by this method at present time, they are: 4-ethyltoluene, ethyl acetate, propylene, tetrahydrofuran, 4-PCH, sulfur derived and silicon series compounds.

Centek Laboratories, LLC Terms and Conditions

Sample Submission

All samples sent to Centek Laboratories should be accompanied by our Request for Analysis Form or Chain of Custody Form. A Chain of Custody will be provided with each order shipped for all sampling events, or if needed, one is available at our website www.CentekLabs.com. Samples received after 3:00pm are considered to be a part of the next day's business.

Sample Media

Samples can be collected in an canister or a Tedlar bag. Depending on your analytical needs, Centek Laboratories may receive a bulk, liquid, soil or other matrix sample for headspace analysis.

Blanks

Every sample is run with a surrogate or tracer compound at a pre-established concentration. The surrogate compound run with each sample is used as a standard to measure the performance of each run of the instrument. If required, a Minican can be provided containing nitrogen to be run as a trip blank with your samples.

Sampling Equipment

Centek Laboratories will be happy to provide the canisters to carry-out your sampling event at no charge. The necessary accessories, such as regulators, tubing or personal sampling belts, are also provided to meet your sampling needs. The customer is responsible for all shipping charges to the client's destination and return shipping to the laboratory. Client assumes all responsibility for lost, stolen and any damages of equipment.

Turn Around time (TAT)

Centek Laboratories will provide results to its clients in one business-week by 6:00pm EST after receipt of samples. For example, if samples are received on a Monday they are due on the following Monday by 6:00pm EST. Results are faxed or emailed to the requested location indicated on the Chain of Custody. Non-routine analysis may require more than the one business-week turnaround time. Please confirm non-routine sample turnaround times.

Centek Laboratories, LLC

Corrective Action Report

Date Initiated: 27-Aug-18

Corrective Action Report ID: 3821

Initiated By: Russell Pellegrino

Department: MSVOA

Corrective Action Description

CAR Summary: IS did not meet criteria.

Description of Nonconformance Root/Cause(s): IS was high and did not meet criteria for samples C1808061-003,009,010,011,012 & 013. Based on the chromatographic evidence, it appears that the contamination is from high concentration of interfering compounds which may be a fuel.

Description of Corrective Action w/Proposed C.A.: Samples were analyzed further as dilutions with criteria being met. Due to matrix being in a canister it is difficult to see any signs of problems. All sets of data submitted.

Performed By: Russell Pellegrino

Completion Date: 29-Aug-18

Client Notification

Client Notification Required: No

Notified By:

Comment:

Quality Assurance Review

Nonconformance Type: Deficiency

Further Action required by QA: Monitor all quality control for sample matrix interference. At this time no further corrective action taken. All sets of data submitted.

Approval and Closure

Technical Director /
Deputy Tech. Dir.:



Close Date: 31-Aug-18

QA Officer Approval:


William Dobbin
Nick Scala

QA Date: 31-Aug-18

Last Updated BY russ

Updated: 17-Sep-2018 10:40 AM

Reported: 17-Sep-2018 10:40 A

Centek Laboratories, LLC

Corrective Action Report

Date Initiated: 27-Aug-18

Corrective Action Report ID: 3822

Initiated By: Russell Pellegrino

Department: MSVOA

Corrective Action Description

CAR Summary: LCSD did not meet criteria.

Description of Nonconformance Root/Cause(s): ALCS1UGD-082718 did not meet criteria for % recoveries for several compounds. All other QC required met criteria. The compounds that did not meet criteria were needed in associated samples. The LCS 6 Liter canister was independent of the 6 Liter continuing calibration canister.

Description of Corrective Action w/Proposed C.A.: Since the LCS 6 Liter canister was independent of the 6 Liter continuing calibration canister and all other QC required met criteria, then continue with analysis. If results continue outside established limits then recalibrate system. All sets of data submitted.

Performed By: Russell Pellegrino

Completion Date: 29-Aug-18

Client Notification

Client Notification Required: No

Notified By:

Comment:

Quality Assurance Review

Nonconformance Type: Deficiency

Further Action required by QA: If results continue then recalibrate the system. Perform new stock LCS. Monitor all quality control to meet established criteria. All sets of data submitted. If possible reanalyze samples.

Approval and Closure

Technical Director /
Deputy Tech. Dir.:



Close Date: 31-Aug-18

QA Officer Approval:


William Dobbin
Nick Scala

QA Date: 31-Aug-18

**CEN TEK LABORATORIES, LLC**

Date: 17-Sep-18

CLIENT: BE3/Panamerican
Project: 31 Tonawanda St
Lab Order: C1808061

Work Order Sample Summary

| Lab Sample ID | Client Sample ID | Tag Number | Collection Date | Date Received |
|---------------|------------------|------------|-----------------|---------------|
| C1808061-001A | QA-01 | 98,342 | 8/21/2018 | 8/24/2018 |
| C1808061-002A | 1A-01 | 553,339 | 8/21/2018 | 8/24/2018 |
| C1808061-003A | SS-04 | 226,340 | 8/21/2018 | 8/24/2018 |
| C1808061-004A | 1A-03 | 316,1172 | 8/21/2018 | 8/24/2018 |
| C1808061-005A | 2G180821-FD-2 | 318,1172 | 8/21/2018 | 8/24/2018 |
| C1808061-006A | 1A-04 | 158,1154 | 8/21/2018 | 8/24/2018 |
| C1808061-007A | 1A-05 | 241,310 | 8/21/2018 | 8/24/2018 |

CLIENT: BE3/Panamerican
Project: 31 Tonawanda St
Lab Order: C1808061

Work Order Sample Summary

| Lab Sample ID | Client Sample ID | Tag Number | Collection Date | Date Received |
|---------------|------------------|------------|-----------------|---------------|
| C1808061-008A | SS-05 | 138,1163 | 8/21/2018 | 8/24/2018 |
| C1808061-009A | SS-06 | 189,277 | 8/21/2018 | 8/24/2018 |
| C1808061-010A | SS-01 | 322,1170 | 8/21/2018 | 8/24/2018 |
| C1808061-011A | 20180821-FD-1 | 353,1170 | 8/21/2018 | 8/24/2018 |
| C1808061-012A | SS-02 | 546,337 | 8/21/2018 | 8/24/2018 |
| C1808061-013A | SS-03 | 237,309 | 8/21/2018 | 8/24/2018 |
| C1808061-014A | IA-02 | 325,384 | 8/21/2018 | 8/24/2018 |

Centek Laboratories, LLC

Date: 10-Sep-18

CLIENT: BE3/Panamerican
 Lab Order: C1808061
 Project: 31 Tonawanda St
 Lab ID: C1808061-001A

Client Sample ID: OA-01
 Tag Number: 98,342
 Collection Date: 8/21/2018
 Matrix: AIR

| Analyses | Result | **Limit | Qual | Units | DF | Date Analyzed |
|--|---------|---------|------|-------|----|----------------------|
| FIELD PARAMETERS | | | | | | |
| Lab Vacuum In | -1 | | | "Hg | | 8/24/2018 |
| Lab Vacuum Out | -30 | | | "Hg | | 8/24/2018 |
| 1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE | | | | | | |
| | | | FLD | | | Analyst: RJP |
| 1,1,1-Trichloroethane | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 6:18:00 PM |
| 1,1,2,2-Tetrachloroethane | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 6:18:00 PM |
| 1,1,2-Trichloroethane | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 6:18:00 PM |
| 1,1-Dichloroethane | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 6:18:00 PM |
| 1,1-Dichloroethane | < 0.040 | 0.040 | | pptV | 1 | 8/27/2018 6:18:00 PM |
| 1,2,4-Trichlorobenzene | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 6:18:00 PM |
| 1,2,4-Trimethylbenzene | 0.14 | 0.15 | J | ppbV | 1 | 8/27/2018 6:18:00 PM |
| 1,2-Dibromoethane | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 6:18:00 PM |
| 1,2-Dichlorobenzene | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 6:18:00 PM |
| 1,2-Dichloroethane | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 6:18:00 PM |
| 1,2-Dichloropropane | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 6:18:00 PM |
| 1,3,5-Trimethylbenzene | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 6:18:00 PM |
| 1,3-butadiene | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 6:18:00 PM |
| 1,3-Dichlorobenzene | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 6:18:00 PM |
| 1,4-Dichlorobenzene | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 6:18:00 PM |
| 1,4-Dioxane | < 0.30 | 0.30 | | ppbV | 1 | 8/27/2018 6:18:00 PM |
| 2,2,4-trimethylpentane | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 6:18:00 PM |
| 4-ethyltoluene | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 6:18:00 PM |
| Acetone | 8.8 | 3.0 | | ppbV | 10 | 8/28/2018 3:13:00 PM |
| Allyl chloride | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 6:18:00 PM |
| Benzene | 0.17 | 0.15 | | ppbV | 1 | 8/27/2018 6:18:00 PM |
| Benzyl chloride | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 6:18:00 PM |
| Bromodichloromethane | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 6:18:00 PM |
| Bromoform | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 6:18:00 PM |
| Bromomethane | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 6:18:00 PM |
| Carbon disulfide | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 6:18:00 PM |
| Carbon tetrachloride | < 0.030 | 0.030 | | ppbV | 1 | 8/27/2018 6:18:00 PM |
| Chlorobenzene | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 6:18:00 PM |
| Chloroethane | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 6:18:00 PM |
| Chloroform | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 6:18:00 PM |
| Chloromethane | 0.32 | 0.15 | | ppbV | 1 | 8/27/2018 6:18:00 PM |
| cis-1,2-Dichloroethane | < 0.040 | 0.040 | | ppbV | 1 | 8/27/2018 6:18:00 PM |
| cis-1,3-Dichloropropene | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 6:18:00 PM |
| Cyclohexane | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 6:18:00 PM |
| Dibromochloromethane | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 6:18:00 PM |
| Ethyl acetate | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 6:18:00 PM |

Qualifiers: ** Quantitation Limit
 B Analyte detected in the associated Method Blank
 H Holding times for preparation or analysis exceeded
 JN Non-routine analyte. Quantitation estimated.
 S Spike Recovery outside accepted recovery limits

Results reported are not blank corrected
 E Estimated Value above quantitation range
 J Analyte detected below quantitation limit
 ND Not Detected at the Limit of Detection

Page 1 of 28

Centek Laboratories, LLC

Date: 10-Sep-18

CLIENT: BE3/Panamerican
 Lab Order: C1808061
 Project: 31 Tonawanda St
 Lab ID: C1808061-001A

Client Sample ID: OA-01
 Tag Number: 98,342
 Collection Date: 8/21/2018
 Matrix: AIR

| Analyses | Result | **Limit | Qual | Units | DF | Date Analyzed |
|---|---------|---------|-------|-------|----|----------------------|
| 1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE | | | TQ-15 | | | Analyst: RJP |
| Ethylbenzene | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 6:18:00 PM |
| Freon 11 | 0.20 | 0.15 | | ppbV | 1 | 8/27/2018 6:18:00 PM |
| Freon 113 | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 6:18:00 PM |
| Freon 114 | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 6:18:00 PM |
| Freon 12 | 0.39 | 0.15 | | ppbV | 1 | 8/27/2018 6:18:00 PM |
| Heptane | 0.14 JN | 0.15 | J | ppbV | 1 | 8/27/2018 6:18:00 PM |
| Hexachloro-1,3-butadiene | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 6:18:00 PM |
| Hexane | 0.20 | 0.15 | | ppbV | 1 | 8/27/2018 6:18:00 PM |
| Isopropyl alcohol | 2.7 JN | 1.5 | | ppbV | 10 | 8/28/2018 3:13:00 PM |
| m&p-Xylene | 0.14 | 0.30 | J | ppbV | 1 | 8/27/2018 6:18:00 PM |
| Methyl Butyl Ketone | < 0.30 | 0.30 | | ppbV | 1 | 8/27/2018 6:18:00 PM |
| Methyl Ethyl Ketone | 0.39 | 0.30 | | ppbV | 1 | 8/27/2018 6:18:00 PM |
| Methyl Isobutyl Ketone | < 0.30 | 0.30 | | ppbV | 1 | 8/27/2018 6:18:00 PM |
| Methyl tert-butyl ether | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 6:18:00 PM |
| Methylene chloride | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 6:18:00 PM |
| o-Xylene | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 6:18:00 PM |
| Propylene | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 6:18:00 PM |
| Styrene | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 6:18:00 PM |
| Tetrachloroethylene | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 6:18:00 PM |
| Tetrahydrofuran | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 6:18:00 PM |
| Toluene | 0.86 | 0.15 | | ppbV | 1 | 8/27/2018 6:18:00 PM |
| trans-1,2-Dichloroethene | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 6:18:00 PM |
| trans-1,3-Dichloropropene | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 6:18:00 PM |
| Trichloroethene | 0.24 | 0.030 | | ppbV | 1 | 8/27/2018 6:18:00 PM |
| Vinyl acetate | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 6:18:00 PM |
| Vinyl Bromide | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 6:18:00 PM |
| Vinyl chloride | < 0.040 | 0.040 | | ppbV | 1 | 8/27/2018 6:18:00 PM |
| Surr: Bromofluorobenzene | 85.0 | 70-130 | | %REC | 1 | 8/27/2018 6:18:00 PM |

| Qualifiers: | ** Quantitation Limit | Results reported are not blank corrected |
|-------------|--|---|
| B | Analyte detected in the associated Method Blank | E Estimated Value above quantitation range |
| H | Holding times for preparation or analysis exceeded | I Analyte detected below quantitation limit |
| JN | Non-routine analyte. Quantitation estimated. | ND Not Detected at the Limit of Detection |
| S | Spike Recovery outside accepted recovery limits | |

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Centek Laboratories, LLC

Date: 10-Sep-18

CLIENT: BE3/Panamerican
 Lab Order: C1808061
 Project: 31 Tonawanda St
 Lab ID: C1808061-002A

Client Sample ID: 1A-01
 Tag Number: 553,339
 Collection Date: 8/21/2018
 Matrix: AIR

| Analyses | Result | **Limit | Qual | Units | DF | Date Analyzed |
|--|---------|---------|------|-------|----|----------------------|
| FIELD PARAMETERS | | | | | | |
| Lab Vacuum In | -1 | | | "Hg | | 8/24/2018 |
| Lab Vacuum Out | -30 | | | "Hg | | 8/24/2018 |
| 1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE TO-15 | | | | | | |
| 1,1,1-Trichloroethane | 5.2 | 1.5 | | ppbV | 10 | 8/28/2018 3:50:00 PM |
| 1,1,2,2-Tetrachloroethane | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 6:58:00 PM |
| 1,1,2-Trichloroethane | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 6:58:00 PM |
| 1,1-Dichloroethane | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 6:58:00 PM |
| 1,1-Dichloroethene | < 0.040 | 0.040 | | ppbV | 1 | 8/27/2018 6:58:00 PM |
| 1,2,4-Trichlorobenzene | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 6:58:00 PM |
| 1,2,4-Trimethylbenzene | 0.28 | 0.15 | | ppbV | 1 | 8/27/2018 6:58:00 PM |
| 1,2-Dibromoethane | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 6:58:00 PM |
| 1,2-Dichlorobenzene | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 6:58:00 PM |
| 1,2-Dichloroethane | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 6:58:00 PM |
| 1,2-Dichloropropane | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 6:58:00 PM |
| 1,3,5-Trimethylbenzene | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 6:58:00 PM |
| 1,3-butadiene | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 6:58:00 PM |
| 1,3-Dichlorobenzene | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 6:58:00 PM |
| 1,4-Dichlorobenzene | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 6:58:00 PM |
| 1,4-Dioxane | < 0.30 | 0.30 | | ppbV | 1 | 8/27/2018 6:58:00 PM |
| 2,2,4-trimethylpentane | 0.13 | 0.15 | J | ppbV | 1 | 8/27/2018 6:58:00 PM |
| 4-ethyltoluene | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 6:58:00 PM |
| Acetone | 7.9 | 3.0 | | ppbV | 10 | 8/28/2018 3:50:00 PM |
| Allyl chloride | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 6:58:00 PM |
| Benzene | 0.50 | 0.15 | | ppbV | 1 | 8/27/2018 6:58:00 PM |
| Benzyl chloride | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 6:58:00 PM |
| Bromodichloromethane | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 6:58:00 PM |
| Bromoform | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 6:58:00 PM |
| Bromomethane | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 6:58:00 PM |
| Carbon disulfide | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 6:58:00 PM |
| Carbon tetrachloride | < 0.030 | 0.030 | | ppbV | 1 | 8/27/2018 6:58:00 PM |
| Chlorobenzene | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 6:58:00 PM |
| Chloroethane | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 6:58:00 PM |
| Chloroform | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 6:58:00 PM |
| Chloromethane | 0.43 | 0.15 | | ppbV | 1 | 8/27/2018 6:58:00 PM |
| cis-1,2-Dichloroethene | < 0.040 | 0.040 | | ppbV | 1 | 8/27/2018 6:58:00 PM |
| cis-1,3-Dichloropropene | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 6:58:00 PM |
| Cyclohexane | 0.18 | 0.15 | | ppbV | 1 | 8/27/2018 6:58:00 PM |
| Dibromochloromethane | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 6:58:00 PM |
| Ethyl acetate | 0.12 | 0.15 | J | ppbV | 1 | 8/27/2018 6:58:00 PM |

Qualifiers: ** Quantitation Limit
 B Analyte detected in the associated Method Blank
 H Holding times for preparation or analysis exceeded
 JN Non-routine analyte. Quantitation estimated.
 S Spike Recovery outside accepted recovery limits

Results reported are not blank corrected
 E Estimated Value above quantitation range
 J Analyte detected below quantitation limit
 ND Not Detected at the Limit of Detection

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Centek Laboratories, LLC

Date: 10-Sep-18

CLIENT: BE3/Panamerican
 Lab Order: C1808061
 Project: 31 Tonawanda St
 Lab ID: C1808061-002A

Client Sample ID: 1A-01
 Tag Number: 553,339
 Collection Date: 8/21/2018
 Matrix: AIR

| Analyses | Result | **Limit | Qual | Units | DF | Date Analyzed |
|---|---------|---------|-------|-------|----|----------------------|
| 1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE | | | TO-15 | | | Analyst: RJP |
| Ethylbenzene | 0.21 | 0.15 | | ppbV | 1 | 8/27/2018 6:58:00 PM |
| Freon 11 | 1.7 | 0.15 | | ppbV | 1 | 8/27/2018 6:58:00 PM |
| Freon 113 | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 6:58:00 PM |
| Freon 114 | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 6:58:00 PM |
| Freon 12 | 0.39 | 0.15 | | ppbV | 1 | 8/27/2018 6:58:00 PM |
| Heptane | 0.31 | 0.15 | | ppbV | 1 | 8/27/2018 6:58:00 PM |
| Hexachloro-1,3-butadiene | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 6:58:00 PM |
| Hexane | 1.4 | 0.15 | | ppbV | 1 | 8/27/2018 6:58:00 PM |
| Isopropyl alcohol | 7.6 JN | 1.5 | | ppbV | 10 | 8/28/2018 3:50:00 PM |
| m&p-Xylene | 0.69 | 0.30 | | ppbV | 1 | 8/27/2018 6:58:00 PM |
| Methyl Butyl Ketone | < 0.30 | 0.30 | | ppbV | 1 | 8/27/2018 6:58:00 PM |
| Methyl Ethyl Ketone | 0.83 | 0.30 | | ppbV | 1 | 8/27/2018 6:58:00 PM |
| Methyl Isobutyl Ketone | 0.11 | 0.30 | J | ppbV | 1 | 8/27/2018 6:58:00 PM |
| Methyl tert-butyl ether | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 6:58:00 PM |
| Methylene chloride | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 6:58:00 PM |
| o-Xylene | 0.29 | 0.15 | | ppbV | 1 | 8/27/2018 6:58:00 PM |
| Propylene | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 6:58:00 PM |
| Styrene | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 6:58:00 PM |
| Tetrachloroethylene | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 6:58:00 PM |
| Tetrahydrofuran | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 6:58:00 PM |
| Toluene | 15 | 1.5 | | ppbV | 10 | 8/28/2018 3:50:00 PM |
| trans-1,2-Dichloroethene | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 6:58:00 PM |
| trans-1,3-Dichloropropene | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 6:58:00 PM |
| Trichloroethene | 9.1 | 0.30 | | ppbV | 10 | 8/28/2018 3:50:00 PM |
| Vinyl acetate | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 6:58:00 PM |
| Vinyl Bromide | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 6:58:00 PM |
| Vinyl chloride | < 0.040 | 0.040 | | ppbV | 1 | 8/27/2018 6:58:00 PM |
| Surr. Bromofluorobenzene | 78.0 | 70-130 | | %REC | 1 | 8/27/2018 6:58:00 PM |

| | | | | |
|-------------|----|--|--|---|
| Qualifiers: | ** | Quantitation Limit | | Results reported are not blank corrected |
| | B | Analyte detected in the associated Method Blank | | E Estimated Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | | J Analyte detected below quantitation limit |
| | JN | Non-routine analyte. Quantitation estimated. | | ND Not Detected at the Limit of Detection |
| | S | Spike Recovery outside accepted recovery limits | | |

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Centek Laboratories, LLC

Date: 10-Sep-18

CLIENT: BE3/Panamerican
 Lab Order: C1808061
 Project: 31 Tonawanda St
 Lab ID: C1808061-003A

Client Sample ID: SS-04
 Tag Number: 226,340
 Collection Date: 8/21/2018
 Matrix: AIR

| Analyses | Result | **Limit | Qual | Units | DF | Date Analyzed |
|------------------------------|--------|--------------|------|---------------------|----|-----------------------|
| FIELD PARAMETERS | | FLD | | Analyst: | | |
| Lab Vacuum In | -1 | | | "Hg | | 8/24/2018 |
| Lab Vacuum Out | -30 | | | "Hg | | 8/24/2018 |
| 1UG/M3 BY METHOD TO15 | | TO-15 | | Analyst: RJP | | |
| 1,1,1-Trichloroethane | 11 | 1.5 | | ppbV | 10 | 8/28/2018 8:11:00 PM |
| 1,1,2,2-Tetrachloroethane | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 10:59:00 PM |
| 1,1,2-Trichloroethane | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 10:59:00 PM |
| 1,1-Dichloroethane | 10 | 1.5 | | ppbV | 10 | 8/28/2018 8:11:00 PM |
| 1,1-Dichloroethene | 2.1 | 0.15 | | ppbV | 1 | 8/27/2018 10:59:00 PM |
| 1,2,4-Trichlorobenzene | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 10:59:00 PM |
| 1,2,4-Trimethylbenzene | 1.1 J | 0.15 | | ppbV | 1 | 8/27/2018 10:59:00 PM |
| 1,2-Dibromoethane | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 10:59:00 PM |
| 1,2-Dichlorobenzene | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 10:59:00 PM |
| 1,2-Dichloroethane | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 10:59:00 PM |
| 1,2-Dichloropropane | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 10:59:00 PM |
| 1,3,5-Trimethylbenzene | 0.55 J | 0.15 | | ppbV | 1 | 8/27/2018 10:59:00 PM |
| 1,3-butadiene | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 10:59:00 PM |
| 1,3-Dichlorobenzene | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 10:59:00 PM |
| 1,4-Dichlorobenzene | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 10:59:00 PM |
| 1,4-Dioxane | < 0.30 | 0.30 | | ppbV | 1 | 8/27/2018 10:59:00 PM |
| 2,2,4-trimethylpentane | 0.11 | 0.15 J | | ppbV | 1 | 8/27/2018 10:59:00 PM |
| 4-ethyltoluene | 0.29 J | 0.15 | | ppbV | 1 | 8/27/2018 10:59:00 PM |
| Acetone | 73 | 12 | | ppbV | 40 | 8/28/2018 8:47:00 PM |
| Allyl chloride | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 10:59:00 PM |
| Benzene | 1.4 | 0.15 | | ppbV | 1 | 8/27/2018 10:59:00 PM |
| Benzyl chloride | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 10:59:00 PM |
| Bromodichloromethane | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 10:59:00 PM |
| Bromoform | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 10:59:00 PM |
| Bromomethane | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 10:59:00 PM |
| Carbon disulfide | 8.8 | 1.5 | | ppbV | 10 | 8/28/2018 8:11:00 PM |
| Carbon tetrachloride | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 10:59:00 PM |
| Chlorobenzene | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 10:59:00 PM |
| Chloroethane | 2.9 | 1.5 | | ppbV | 10 | 8/28/2018 8:11:00 PM |
| Chloroform | 0.50 | 0.15 | | ppbV | 1 | 8/27/2018 10:59:00 PM |
| Chloromethane | 0.61 | 0.15 | | ppbV | 1 | 8/27/2018 10:59:00 PM |
| cis-1,2-Dichloroethene | 0.19 | 0.15 | | ppbV | 1 | 8/27/2018 10:59:00 PM |
| cis-1,3-Dichloropropane | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 10:59:00 PM |
| Cyclohexane | 20 | 1.5 | | ppbV | 10 | 8/28/2018 8:11:00 PM |
| Dibromochloromethane | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 10:59:00 PM |
| Ethyl acetate | 1.1 | 0.15 | | ppbV | 1 | 8/27/2018 10:59:00 PM |

Qualifiers: ** Quantitation Limit
 B Analyte detected in the associated Method Blank
 H Holding times for preparation or analysis exceeded
 JN Non-routine analyte. Quantitation estimated.
 S Spike Recovery outside accepted recovery limits

Results reported are not blank corrected
 E Estimated Value above quantitation range
 J Analyte detected below quantitation limit
 ND Not Detected at the Limit of Detection

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Centek Laboratories, LLC

Date: 10-Sep-18

CLIENT: BE3/Panamerican
 Lab Order: C1808061
 Project: 31 Tonawanda St
 Lab ID: C1808061-003A

Client Sample ID: SS-04
 Tag Number: 226,340
 Collection Date: 8/21/2018
 Matrix: AIR

| Analyses | Result | **Limit | Qual | Units | DF | Date Analyzed |
|---------------------------|--------|---------|------|-------|----|-----------------------|
| 1UG/M3 BY METHOD TO15 | | | | TO-15 | | Analyst: RJP |
| Ethylbenzene | 0.26 J | 0.15 | | ppbV | 1 | 8/27/2018 10:59:00 PM |
| Freon 11 | 0.36 | 0.15 | | ppbV | 1 | 8/27/2018 10:59:00 PM |
| Freon 113 | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 10:59:00 PM |
| Freon 114 | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 10:59:00 PM |
| Freon 12 | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 10:59:00 PM |
| Heptane | 5.5 | 1.5 | | ppbV | 10 | 8/28/2018 8:11:00 PM |
| Hexachloro-1,3-butadiene | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 10:59:00 PM |
| Hexane | 12 | 1.5 | | ppbV | 10 | 8/28/2018 8:11:00 PM |
| Isopropyl alcohol | 7.6 JN | 1.5 | | ppbV | 10 | 8/28/2018 8:11:00 PM |
| m,p-Xylene | 0.63 J | 0.30 | | ppbV | 1 | 8/27/2018 10:59:00 PM |
| Methyl Butyl Ketone | < 0.30 | 0.30 | | ppbV | 1 | 8/27/2018 10:59:00 PM |
| Methyl Ethyl Ketone | 3.4 | 3.0 | | ppbV | 10 | 8/28/2018 8:11:00 PM |
| Methyl Isobutyl Ketone | < 0.30 | 0.30 | | ppbV | 1 | 8/27/2018 10:59:00 PM |
| Methyl tert-butyl ether | 1.5 | 0.15 | | ppbV | 1 | 8/27/2018 10:59:00 PM |
| Methylene chloride | 0.97 | 0.15 | | ppbV | 1 | 8/27/2018 10:59:00 PM |
| o-Xylene | 0.26 J | 0.15 | | ppbV | 1 | 8/27/2018 10:59:00 PM |
| Propylene | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 10:59:00 PM |
| Styrene | 0.22 J | 0.15 | | ppbV | 1 | 8/27/2018 10:59:00 PM |
| Tetrachloroethylene | 0.57 J | 0.15 | | ppbV | 1 | 8/27/2018 10:59:00 PM |
| Tetrahydrofuran | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 10:59:00 PM |
| Toluene | 16 J | 1.5 | | ppbV | 10 | 8/28/2018 8:11:00 PM |
| trans-1,2-Dichloroethene | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 10:59:00 PM |
| trans-1,3-Dichloropropene | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 10:59:00 PM |
| Trichloroethene | 15 | 1.5 | | ppbV | 10 | 8/28/2018 8:11:00 PM |
| Vinyl acetate | 0.95 | 0.15 | | ppbV | 1 | 8/27/2018 10:59:00 PM |
| Vinyl Bromide | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 10:59:00 PM |
| Vinyl chloride | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 10:59:00 PM |
| Surr: Bromofluorobenzene | 108 | 70-130 | | %REC | 1 | 8/27/2018 10:59:00 PM |

Qualifiers: ** Quantitation Limit
 B Analyte detected in the associated Method Blank
 H Holding times for preparation or analysis exceeded
 JN Non-routine analyte, Quantitation estimated.
 S Spike Recovery outside accepted recovery limits

- Results reported are not blank corrected
 E Estimated Value above quantitation range
 J Analyte detected below quantitation limit
 ND Not Detected at the Limit of Detection

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Centek Laboratories, LLC

Date: 10-Sep-18

CLIENT: BE3/Panamerican
 Lab Order: C1808061
 Project: 31 Tonawanda St
 Lab ID: C1808061-004A

Client Sample ID: 1A-03
 Tag Number: 316,1172
 Collection Date: 8/21/2018
 Matrix: AIR

| Analyses | Result | **Limit | Qual | Units | DF | Date Analyzed |
|--|---------|--------------|------|---------------------|----|----------------------|
| FIELD PARAMETERS | | FLD | | Analyst: | | |
| Lab Vacuum In | -1 | | | Hg | | 8/24/2018 |
| Lab Vacuum Out | -30 | | | Hg | | 8/24/2018 |
| 1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE | | TO-15 | | Analyst: RJP | | |
| 1,1,1-Trichloroethane | 0.92 | 0.15 | | ppbV | 1 | 8/27/2018 7:38:00 PM |
| 1,1,2,2-Tetrachloroethane | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 7:38:00 PM |
| 1,1,2-Trichloroethane | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 7:38:00 PM |
| 1,1-Dichloroethane | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 7:38:00 PM |
| 1,1-Dichloroethene | < 0.040 | 0.040 | | ppbV | 1 | 8/27/2018 7:38:00 PM |
| 1,2,4-Trichlorobenzene | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 7:38:00 PM |
| 1,2,4-Trimethylbenzene | 0.39 | 0.15 | | ppbV | 1 | 8/27/2018 7:38:00 PM |
| 1,2-Dibromoethane | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 7:38:00 PM |
| 1,2-Dichlorobenzene | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 7:38:00 PM |
| 1,2-Dichloroethane | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 7:38:00 PM |
| 1,2-Dichloropropane | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 7:38:00 PM |
| 1,3,5-Trimethylbenzene | 0.12 | 0.15 | J | ppbV | 1 | 8/27/2018 7:38:00 PM |
| 1,3-butadiene | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 7:38:00 PM |
| 1,3-Dichlorobenzene | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 7:38:00 PM |
| 1,4-Dichlorobenzene | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 7:38:00 PM |
| 1,4-Dioxene | < 0.30 | 0.30 | | ppbV | 1 | 8/27/2018 7:38:00 PM |
| 2,2,4-trimethylpentane | 0.37 | 0.15 | | ppbV | 1 | 8/27/2018 7:38:00 PM |
| 4-ethyltoluene | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 7:38:00 PM |
| Acetone | 4.9 | 3.0 | | ppbV | 10 | 8/28/2018 4:27:00 PM |
| Allyl chloride | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 7:38:00 PM |
| Benzene | 0.52 | 0.15 | | ppbV | 1 | 8/27/2018 7:38:00 PM |
| Benzyl chloride | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 7:38:00 PM |
| Bromodichloromethane | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 7:38:00 PM |
| Bromoform | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 7:38:00 PM |
| Bromomethane | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 7:38:00 PM |
| Carbon disulfide | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 7:38:00 PM |
| Carbon tetrachloride | < 0.030 | 0.030 | | ppbV | 1 | 8/27/2018 7:38:00 PM |
| Chlorobenzene | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 7:38:00 PM |
| Chloroethane | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 7:38:00 PM |
| Chloroform | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 7:38:00 PM |
| Chloromethane | 0.33 | 0.15 | | ppbV | 1 | 8/27/2018 7:38:00 PM |
| cis-1,2-Dichloroethene | < 0.040 | 0.040 | | ppbV | 1 | 8/27/2018 7:38:00 PM |
| cis-1,3-Dichloropropene | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 7:38:00 PM |
| Cyclohexane | 0.13 | 0.15 | J | ppbV | 1 | 8/27/2018 7:38:00 PM |
| Dibromochloromethane | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 7:38:00 PM |
| Ethyl acetate | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 7:38:00 PM |

| | | | | |
|-------------|----|--|----|---|
| Qualifiers: | ** | Quantitation Limit | . | Results reported are not blank corrected |
| | B | Analyte detected in the associated Method Blank | E | Estimated Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limit |
| | JN | Non-routine analyte. Quantitation estimated. | ND | Not Detected at the Limit of Detection |
| | S | Spike Recovery outside accepted recovery limits | | |

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Centek Laboratories, LLC

Date: 10-Sep-18

CLIENT: BE3/Panamerican
 Lab Order: C1808061
 Project: 31 Tonawanda St
 Lab ID: C1808061-004A

Client Sample ID: 1A-03
 Tag Number: 316,1172
 Collection Date: 8/21/2018
 Matrix: AIR

| Analyses | Result | **Limit | Qual | Units | DF | Date Analyzed |
|---|---------|---------|------|--------------|----|----------------------|
| 1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE | | TO-15 | | Analyst: RJP | | |
| Ethylbenzene | 0.39 | 0.15 | | ppbV | 1 | 8/27/2018 7:38:00 PM |
| Freon 11 | 0.41 | 0.15 | | ppbV | 1 | 8/27/2018 7:38:00 PM |
| Freon 113 | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 7:38:00 PM |
| Freon 114 | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 7:38:00 PM |
| Freon 12 | 0.46 | 0.15 | | ppbV | 1 | 8/27/2018 7:38:00 PM |
| Heptane | 0.44 | 0.15 | | ppbV | 1 | 8/27/2018 7:38:00 PM |
| Hexachloro-1,3-butadiene | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 7:38:00 PM |
| Hexane | 1.1 | 0.15 | | ppbV | 1 | 8/27/2018 7:38:00 PM |
| Isopropyl alcohol | 1.1 | 0.15 | JN | ppbV | 1 | 8/27/2018 7:38:00 PM |
| m&p-Xylene | 1.5 | 0.30 | | ppbV | 1 | 8/27/2018 7:38:00 PM |
| Methyl Butyl Ketone | < 0.30 | 0.30 | | ppbV | 1 | 8/27/2018 7:38:00 PM |
| Methyl Ethyl Ketone | 0.66 | 0.30 | | ppbV | 1 | 8/27/2018 7:38:00 PM |
| Methyl Isobutyl Ketone | < 0.30 | 0.30 | | ppbV | 1 | 8/27/2018 7:38:00 PM |
| Methyl tert-butyl ether | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 7:38:00 PM |
| Methylene chloride | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 7:38:00 PM |
| o-Xylene | 0.46 | 0.15 | | ppbV | 1 | 8/27/2018 7:38:00 PM |
| Propylene | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 7:38:00 PM |
| Styrene | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 7:38:00 PM |
| Tetrachloroethylene | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 7:38:00 PM |
| Tetrahydrofuran | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 7:38:00 PM |
| Toluene | 4.1 | 1.5 | | ppbV | 10 | 8/28/2018 4:27:00 PM |
| trans-1,2-Dichloroethene | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 7:38:00 PM |
| trans-1,3-Dichloropropene | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 7:38:00 PM |
| Trichloroethene | 0.81 | 0.030 | | ppbV | 1 | 8/27/2018 7:38:00 PM |
| Vinyl acetate | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 7:38:00 PM |
| Vinyl Bromide | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 7:38:00 PM |
| Vinyl chloride | < 0.040 | 0.040 | | ppbV | 1 | 8/27/2018 7:38:00 PM |
| Sum: Bromofluorobenzene | 83.0 | 70-130 | | %REC | 1 | 8/27/2018 7:38:00 PM |

| | | |
|-------------|--|---|
| Qualifiers: | ** Quantitation Limit | - Results reported are not blank corrected |
| B | Analyte detected in the associated Method Blank | E Estimated Value above quantitation range |
| H | Holding times for preparation or analysis exceeded | J Analyte detected below quantitation limit |
| JN | Non-zeroline analyte. Quantitation estimated. | ND Not Detected at the Limit of Detection |
| S | Spike Recovery outside accepted recovery limits | |

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MKP 8/29/18

Centek Laboratories, LLC

Date: 10-Sep-18

CLIENT: BE3/Panamerican
 Lab Order: C1808061
 Project: 31 Tonawanda St
 Lab ID: C1808061-005A

Client Sample ID: 2G180821-FD-2
 Tag Number: 318,1172
 Collection Date: 8/21/2018
 Matrix: AIR

| Analyses | Result | **Limit | Qual | Units | DF | Date Analyzed |
|--|---------|---------|------|-------|----|----------------------|
| FIELD PARAMETERS | | | | | | |
| Lab Vacuum In | -1 | | | Hg | | 8/24/2018 |
| Lab Vacuum Out | -30 | | | Hg | | 8/24/2018 |
| 1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE TO-15 | | | | | | |
| 1,1,1-Trichloroethane | 0.90 | 0.15 | | ppbV | 1 | 8/27/2018 8:18:00 PM |
| 1,1,2,2-Tetrachloroethane | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 8:18:00 PM |
| 1,1,2-Trichloroethane | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 8:18:00 PM |
| 1,1-Dichloroethane | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 8:18:00 PM |
| 1,1-Dichloroethene | < 0.040 | 0.040 | | ppbV | 1 | 8/27/2018 8:18:00 PM |
| 1,2,4-Trichlorobenzene | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 8:18:00 PM |
| 1,2,4-Trimethylbenzene | 0.39 | 0.15 | | ppbV | 1 | 8/27/2018 8:18:00 PM |
| 1,2-Dibromoethane | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 8:18:00 PM |
| 1,2-Dichlorobenzene | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 8:18:00 PM |
| 1,2-Dichloroethane | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 8:18:00 PM |
| 1,2-Dichloropropane | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 8:18:00 PM |
| 1,3,5-Trimethylbenzene | 0.13 | 0.15 | J | ppbV | 1 | 8/27/2018 8:18:00 PM |
| 1,3-butadiene | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 8:18:00 PM |
| 1,3-Dichlorobenzene | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 8:18:00 PM |
| 1,4-Dichlorobenzene | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 8:18:00 PM |
| 1,4-Dioxane | < 0.30 | 0.30 | | ppbV | 1 | 8/27/2018 8:18:00 PM |
| 2,2,4-trimethylpentane | 0.36 | 0.15 | | ppbV | 1 | 8/27/2018 8:18:00 PM |
| 4-ethyltoluene | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 8:18:00 PM |
| Acetone | 6.9 | 3.0 | | ppbV | 10 | 8/28/2018 5:03:00 PM |
| Allyl chloride | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 8:18:00 PM |
| Benzene | 0.63 | 0.15 | | ppbV | 1 | 8/27/2018 8:18:00 PM |
| Benzyl chloride | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 8:18:00 PM |
| Bromodichloromethane | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 8:18:00 PM |
| Bromoform | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 8:18:00 PM |
| Bromomethane | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 8:18:00 PM |
| Carbon disulfide | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 8:18:00 PM |
| Carbon tetrachloride | < 0.030 | 0.030 | | ppbV | 1 | 8/27/2018 8:18:00 PM |
| Chlorobenzene | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 8:18:00 PM |
| Chloroethane | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 8:18:00 PM |
| Chloroform | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 8:18:00 PM |
| Chloromethane | 0.33 | 0.15 | | ppbV | 1 | 8/27/2018 8:18:00 PM |
| cis-1,2-Dichloroethene | < 0.040 | 0.040 | | ppbV | 1 | 8/27/2018 8:18:00 PM |
| cis-1,3-Dichloropropene | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 8:18:00 PM |
| Cyclohexane | 0.18 | 0.15 | | ppbV | 1 | 8/27/2018 8:18:00 PM |
| Dibromochloromethane | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 8:18:00 PM |
| Ethyl acetate | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 8:18:00 PM |

Qualifiers: ** Quantitation Limit
 B Analyte detected in the associated Method Blank
 H Holding times for preparation or analysis exceeded
 N Non-routine analyte, Quantitation estimated,
 S Spike Recovery outside accepted recovery limits

- Results reported are not blank corrected
 E Estimated Value above quantitation range
 J Analyte detected below quantitation limit
 ND Not Detected at the Limit of Detection

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Centek Laboratories, LLC

Date: 10-Sep-18

CLIENT: BE3/Panamerican
 Lab Order: C1808061
 Project: 31 Tonawanda St
 Lab ID: C1808061-005A

Client Sample ID: 2G180821-FD-2
 Tag Number: 318,1172
 Collection Date: 8/21/2018
 Matrix: AIR

| Analyses | Result | **Limit | Qual | Units | DF | Date Analyzed |
|---|---------|---------|-------|-------|----|----------------------|
| 1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE | | | TO-15 | | | Analyst: RJP |
| Ethylbenzene | 0.40 | 0.15 | | ppbV | 1 | 8/27/2018 8:18:00 PM |
| Freon 11 | 0.42 | 0.15 | | ppbV | 1 | 8/27/2018 8:18:00 PM |
| Freon 113 | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 8:18:00 PM |
| Freon 114 | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 8:18:00 PM |
| Freon 12 | 0.46 | 0.15 | | ppbV | 1 | 8/27/2018 8:18:00 PM |
| Heptane | 0.50 | 0.15 | | ppbV | 1 | 8/27/2018 8:18:00 PM |
| Hexachloro-1,3-butadiene | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 8:18:00 PM |
| Hexane | 1.1 | 0.15 | | ppbV | 1 | 8/27/2018 8:18:00 PM |
| Isopropyl alcohol | 4.6 | 1.5 | | ppbV | 10 | 8/28/2018 5:03:00 PM |
| m&p-Xylene | 1.5 | 0.30 | | ppbV | 1 | 8/27/2018 8:18:00 PM |
| Methyl Butyl Ketone | < 0.30 | 0.30 | | ppbV | 1 | 8/27/2018 8:18:00 PM |
| Methyl Ethyl Ketone | 1.1 | 0.30 | | ppbV | 1 | 8/27/2018 8:18:00 PM |
| Methyl Isobutyl Ketone | 0.11 | 0.30 | J | ppbV | 1 | 8/27/2018 8:18:00 PM |
| Methyl tert-butyl ether | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 8:18:00 PM |
| Methylene chloride | 0.12 | 0.15 | J | ppbV | 1 | 8/27/2018 8:18:00 PM |
| o-Xylene | 0.48 | 0.15 | | ppbV | 1 | 8/27/2018 8:18:00 PM |
| Propylene | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 8:18:00 PM |
| Styrene | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 8:18:00 PM |
| Tetrachloroethylene | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 8:18:00 PM |
| Tetrahydrofuran | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 8:18:00 PM |
| Toluene | 4.1 | 1.5 | | ppbV | 10 | 8/28/2018 5:03:00 PM |
| trans-1,2-Dichloroethane | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 8:18:00 PM |
| trans-1,3-Dichloropropene | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 8:18:00 PM |
| Trichloroethene | 0.92 | 0.030 | | ppbV | 1 | 8/27/2018 8:18:00 PM |
| Vinyl acetate | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 8:18:00 PM |
| Vinyl Bromide | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 8:18:00 PM |
| Vinyl chloride | < 0.040 | 0.040 | | ppbV | 1 | 8/27/2018 8:18:00 PM |
| Sum: Bromofluorobenzene | 86.0 | 70-130 | | %REC | 1 | 8/27/2018 8:18:00 PM |

Qualifiers: ** Quantitation Limit
 B Analyte detected in the associated Method Blank
 H Holding times for preparation or analysis exceeded
 JN Non-routine analyte. Quantitation estimated.
 S Spike Recovery outside accepted recovery limits

. Results reported are not blank corrected
 E Estimated Value above quantitation range
 J Analyte detected below quantitation limit
 ND Not Detected at the Limit of Detection

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mm 9/20/18

Centek Laboratories, LLC

Date: 10-Sep-18

CLIENT: BE3/Panamerican
 Lab Order: C1808061
 Project: 31 Tonawanda St
 Lab ID: C1808061-006A

Client Sample ID: 1A-04
 Tag Number: 158,1154
 Collection Date: 8/21/2018
 Matrix: AIR

| Analyses | Result | **Limit | Qual | Units | DF | Date Analyzed |
|---|---------|---------|------|--------------|----|----------------------|
| FIELD PARAMETERS | | FLD | | Analyst: | | |
| Lab Vacuum In | -1 | | | "Hg | | 8/24/2018 |
| Lab Vacuum Out | -30 | | | "Hg | | 8/24/2018 |
| 1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE | | TO-15 | | Analyst: RJP | | |
| 1,1,1-Trichloroethane | 6.3 | 1.5 | | ppbV | 10 | 8/28/2018 5:40:00 PM |
| 1,1,2,2-Tetrachloroethane | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 8:59:00 PM |
| 1,1,2-Trichloroethane | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 8:59:00 PM |
| 1,1-Dichloroethane | 0.37 | 0.15 | | ppbV | 1 | 8/27/2018 8:59:00 PM |
| 1,1-Dichloroethene | < 0.040 | 0.040 | | ppbV | 1 | 8/27/2018 8:59:00 PM |
| 1,2,4-Trichlorobenzene | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 8:59:00 PM |
| 1,2,4-Trimethylbenzene | 0.29 | 0.15 | | ppbV | 1 | 8/27/2018 8:59:00 PM |
| 1,2-Dibromoethane | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 8:59:00 PM |
| 1,2-Dichlorobenzene | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 8:59:00 PM |
| 1,2-Dichloroethane | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 8:59:00 PM |
| 1,2-Dichloropropane | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 8:59:00 PM |
| 1,3,5-Trimethylbenzene | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 8:59:00 PM |
| 1,3-butadiene | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 8:59:00 PM |
| 1,3-Dichlorobenzene | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 8:59:00 PM |
| 1,4-Dichlorobenzene | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 8:59:00 PM |
| 1,4-Dioxane | < 0.30 | 0.30 | | ppbV | 1 | 8/27/2018 8:59:00 PM |
| 2,2,4-trimethylpentane | 0.19 | 0.15 | | ppbV | 1 | 8/27/2018 8:59:00 PM |
| 4-ethyltoluene | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 8:59:00 PM |
| Acetone | 7.0 | 3.0 | | ppbV | 10 | 8/28/2018 5:40:00 PM |
| Allyl chloride | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 8:59:00 PM |
| Benzene | 0.29 | 0.15 | | ppbV | 1 | 8/27/2018 8:59:00 PM |
| Benzyl chloride | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 8:59:00 PM |
| Bromodichloromethane | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 8:59:00 PM |
| Bromoform | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 8:59:00 PM |
| Bromomethane | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 8:59:00 PM |
| Carbon disulfide | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 8:59:00 PM |
| Carbon tetrachloride | < 0.030 | 0.030 | | ppbV | 1 | 8/27/2018 8:59:00 PM |
| Chlorobenzene | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 8:59:00 PM |
| Chloroethane | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 8:59:00 PM |
| Chloroform | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 8:59:00 PM |
| Chloromethane | 0.34 | 0.15 | | ppbV | 1 | 8/27/2018 8:59:00 PM |
| cis-1,2-Dichloroethene | < 0.040 | 0.040 | | ppbV | 1 | 8/27/2018 8:59:00 PM |
| cis-1,3-Dichloropropene | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 8:59:00 PM |
| Cyclohexane | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 8:59:00 PM |
| Dibromochloromethane | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 8:59:00 PM |
| Ethyl acetate | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 8:59:00 PM |

Qualifiers: ** Quantitation Limit
 B Analyte detected in the associated Method Blank
 H Holding times for preparation or analysis exceeded
 JN Non-routine analyte, Quantitation estimated.
 S Spike Recovery outside accepted recovery limits

, Results reported are not blank corrected
 E Estimated Value above quantitation range
 J Analyte detected below quantitation limit
 ND Not Detected at the Limit of Detection

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Centek Laboratories, LLC

Date: 10-Sep-18

CLIENT: BE3/Panamerican
 Lab Order: C1808061
 Project: 31 Tonawanda St
 Lab ID: C1808061-006A

Client Sample ID: IA-04
 Tag Number: 158,1154
 Collection Date: 8/21/2018
 Matrix: AIR

| Analyses | Result | **Limit | Quat | Units | DF | Date Analyzed |
|---|---------|---------|------|--------------|----|----------------------|
| 1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE | | TO-15 | | Analyst: RJP | | |
| Ethylbenzene | 0.18 | 0.15 | | ppbV | 1 | 8/27/2018 8:59:00 PM |
| Freon 11 | 0.32 | 0.15 | | ppbV | 1 | 8/27/2018 8:59:00 PM |
| Freon 113 | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 8:59:00 PM |
| Freon 114 | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 8:59:00 PM |
| Freon 12 | 0.41 | 0.15 | | ppbV | 1 | 8/27/2018 8:59:00 PM |
| Heptane | 0.32 | 0.15 | | ppbV | 1 | 8/27/2018 8:59:00 PM |
| Hexachloro-1,3-butadiene | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 8:59:00 PM |
| Hexane | 0.62 | 0.15 | | ppbV | 1 | 8/27/2018 8:59:00 PM |
| Isopropyl alcohol | 1.3 JN | 0.15 | | ppbV | 1 | 8/27/2018 8:59:00 PM |
| m&p-Xylene | 0.63 | 0.30 | | ppbV | 1 | 8/27/2018 8:59:00 PM |
| Methyl Butyl Ketone | < 0.30 | 0.30 | | ppbV | 1 | 8/27/2018 8:59:00 PM |
| Methyl Ethyl Ketone | 0.48 | 0.30 | | ppbV | 1 | 8/27/2018 8:59:00 PM |
| Methyl Isobutyl Ketone | < 0.30 | 0.30 | | ppbV | 1 | 8/27/2018 8:59:00 PM |
| Methyl tert-butyl ether | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 8:59:00 PM |
| Methylene chloride | 0.20 | 0.15 | | ppbV | 1 | 8/27/2018 8:59:00 PM |
| o-Xylene | 0.25 | 0.15 | | ppbV | 1 | 8/27/2018 8:59:00 PM |
| Propylene | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 8:59:00 PM |
| Styrene | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 8:59:00 PM |
| Tetrachloroethylene | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 8:59:00 PM |
| Tetrahydrofuran | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 8:59:00 PM |
| Toluene | 2.1 | 1.5 | | ppbV | 10 | 8/28/2018 5:40:00 PM |
| trans-1,2-Dichloroethene | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 8:59:00 PM |
| trans-1,3-Dichloropropene | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 8:59:00 PM |
| Trichloroethene | 3.8 | 0.30 | | ppbV | 10 | 8/28/2018 5:40:00 PM |
| Vinyl acetate | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 8:59:00 PM |
| Vinyl Bromide | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 8:59:00 PM |
| Vinyl chloride | < 0.040 | 0.040 | | ppbV | 1 | 8/27/2018 8:59:00 PM |
| Surr. Bromofluorobenzene | 54.0 | 70-130 | | %REC | 1 | 8/27/2018 8:59:00 PM |

Qualifiers: ** Quantitation Limit
 B Analyte detected in the associated Method Blank
 H Holding times for preparation or analysis exceeded
 JN Non-routine analyte. Quantitation estimated.
 S Spike Recovery outside accepted recovery limits

. Results reported are not blank corrected
 E Estimated Value above quantitation range
 J Analyte detected below quantitation limit
 ND Not Detected at the Limit of Detection

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Centek Laboratories, LLC

Date: 10-Sep-18

CLIENT: BE3/Panamerican
 Lab Order: C1808061
 Project: 31 Tonawanda St
 Lab ID: C1808061-007A

Client Sample ID: 1A-05
 Tag Number: 241,310
 Collection Date: 8/21/2018
 Matrix: AIR

| Analyses | Result | **Limit | Qual | Units | DF | Date Analyzed |
|--|---------|---------|------------|-------|-----|----------------------|
| FIELD PARAMETERS | | | | | | |
| Lab Vacuum In | -1 | | | "Hg | | 8/24/2018 |
| Lab Vacuum Out | -30 | | | "Hg | | 8/24/2018 |
| 1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE | | | | | | |
| | | | FLD | | | Analyst: |
| 1,1,1-Trichloroethane | 310 | 27 | | ppbV | 180 | 8/29/2018 7:45:00 AM |
| 1,1,2,2-Tetrachloroethane | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 9:39:00 PM |
| 1,1,2-Trichloroethane | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 9:39:00 PM |
| 1,1-Dichloroethane | 10 | 1.4 | | ppbV | 9 | 8/26/2018 6:20:00 PM |
| 1,1-Dichloroethene | 0.72 | 0.040 | | ppbV | 1 | 8/27/2018 9:39:00 PM |
| 1,2,4-Trichlorobenzene | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 9:39:00 PM |
| 1,2,4-Trimethylbenzene | 1.5 J | 0.15 | | ppbV | 1 | 8/27/2018 9:39:00 PM |
| 1,2-Dibromoethane | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 9:39:00 PM |
| 1,2-Dichlorobenzene | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 9:39:00 PM |
| 1,2-Dichloroethane | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 9:39:00 PM |
| 1,2-Dichloropropene | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 9:39:00 PM |
| 1,3,5-Trimethylbenzene | 0.69 J | 0.15 | | ppbV | 1 | 8/27/2018 9:39:00 PM |
| 1,3-butadiene | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 9:39:00 PM |
| 1,3-Dichlorobenzene | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 9:39:00 PM |
| 1,4-Dichlorobenzene | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 9:39:00 PM |
| 1,4-Dioxane | < 0.30 | 0.30 | | ppbV | 1 | 8/27/2018 9:39:00 PM |
| 2,2,4-trimethylpentane | 0.11 | 0.15 J | | ppbV | 1 | 8/27/2018 9:39:00 PM |
| 4-ethyltoluene | 0.37 J | 0.15 | | ppbV | 1 | 8/27/2018 9:39:00 PM |
| Acetone | 32 | 27 | | ppbV | 90 | 8/28/2018 6:57:00 PM |
| Allyl chloride | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 9:39:00 PM |
| Benzene | 0.31 | 0.15 | | ppbV | 1 | 8/27/2018 9:39:00 PM |
| Benzyl chloride | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 9:39:00 PM |
| Bromodichloromethane | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 9:39:00 PM |
| Bromoform | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 9:39:00 PM |
| Bromomethane | 0.27 | 0.15 | | ppbV | 1 | 8/27/2018 9:39:00 PM |
| Carbon disulfide | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 9:39:00 PM |
| Carbon tetrachloride | < 0.030 | 0.030 | | ppbV | 1 | 8/27/2018 9:39:00 PM |
| Chlorobenzene | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 9:39:00 PM |
| Chloroethane | 0.24 | 0.15 | | ppbV | 1 | 8/27/2018 9:39:00 PM |
| Chloroform | 0.29 | 0.15 | | ppbV | 1 | 8/27/2018 9:39:00 PM |
| Chloromethane | 1.0 | 0.15 | | ppbV | 1 | 8/27/2018 9:39:00 PM |
| cis-1,2-Dichloroethene | 1.4 | 0.040 | | ppbV | 1 | 8/27/2018 9:39:00 PM |
| cis-1,3-Dichloropropene | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 9:39:00 PM |
| Cyclohexane | 0.40 | 0.15 | | ppbV | 1 | 8/27/2018 9:39:00 PM |
| Dibromochloromethane | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 9:39:00 PM |
| Ethyl acetate | 1.4 | 0.15 | | ppbV | 1 | 8/27/2018 9:39:00 PM |

Qualifiers: ** Quantitation Limit
 B Analyte detected in the associated Method Blank
 H Holding times for preparation or analysis exceeded
 JN Non-routine analyte. Quantitation estimated.
 S Spike Recovery outside accepted recovery limits

Results reported are not blank corrected
 E Estimated Value above quantitation range
 J Analyte detected below quantitation limit
 ND Not Detected at the Limit of Detection

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Centek Laboratories, LLC

Date: 10-Sep-18

CLIENT: BE3/Panamerican
 Lab Order: C1808061
 Project: 31 Tonawanda St
 Lab ID: C1808061-007A

Client Sample ID: 1A-05
 Tag Number: 241,310
 Collection Date: 8/21/2018
 Matrix: AIR

| Analyses | Result | **Limit | Qual | Units | DF | Date Analyzed |
|---|---------|---------|------|-------|----|----------------------|
| 1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE | | | | TO-15 | | Analyst: RJP |
| Ethylbenzene | 0.19 J | 0.15 | | ppbV | 1 | 8/27/2018 9:39:00 PM |
| Freon 11 | 0.31 | 0.15 | | ppbV | 1 | 8/27/2018 9:39:00 PM |
| Freon 113 | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 9:39:00 PM |
| Freon 114 | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 9:39:00 PM |
| Freon 12 | 0.36 | 0.15 | | ppbV | 1 | 8/27/2018 9:39:00 PM |
| Heptane | 0.89 JN | 0.15 | | ppbV | 1 | 8/27/2018 9:39:00 PM |
| Hexachloro-1,3-butadiene | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 9:39:00 PM |
| Hexane | 0.72 | 0.15 | | ppbV | 1 | 8/27/2018 9:39:00 PM |
| Isopropyl alcohol | 10 JN | 1.4 | | ppbV | 9 | 8/28/2018 6:20:00 PM |
| m&p-Xylene | 0.43 J | 0.30 | | ppbV | 1 | 8/27/2018 9:39:00 PM |
| Methyl Butyl Ketone | < 0.30 | 0.30 | | ppbV | 1 | 8/27/2018 9:39:00 PM |
| Methyl Ethyl Ketone | 2.2 | 2.7 J | | ppbV | 9 | 8/28/2018 6:20:00 PM |
| Methyl Isobutyl Ketone | 0.17 | 0.30 J | | ppbV | 1 | 8/27/2018 9:39:00 PM |
| Methyl tert-butyl ether | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 9:39:00 PM |
| Methylene chloride | 1.3 | 0.15 | | ppbV | 1 | 8/27/2018 9:39:00 PM |
| o-Xylene | 0.21 J | 0.15 | | ppbV | 1 | 8/27/2018 9:39:00 PM |
| Propylene | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 9:39:00 PM |
| Styrene | 0.23 J | 0.15 | | ppbV | 1 | 8/27/2018 9:39:00 PM |
| Tetrachloroethylene | 0.15 J | 0.15 | | ppbV | 1 | 8/27/2018 9:39:00 PM |
| Tetrahydrofuran | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 9:39:00 PM |
| Toluene | 5.5 J | 1.4 | | ppbV | 9 | 8/28/2018 6:20:00 PM |
| trans-1,2-Dichloroethene | 0.40 | 0.15 | | ppbV | 1 | 8/27/2018 9:39:00 PM |
| trans-1,3-Dichloropropene | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 9:39:00 PM |
| Trichloroethene | 42 | 2.7 | | ppbV | 90 | 8/28/2018 6:57:00 PM |
| Vinyl acetate | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 9:39:00 PM |
| Vinyl Bromide | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 9:39:00 PM |
| Vinyl chloride | < 0.040 | 0.040 | | ppbV | 1 | 8/27/2018 9:39:00 PM |
| Surr: Bromofluorobenzene | 102 | 70-130 | | %REC | 1 | 8/27/2018 9:39:00 PM |

Qualifiers: ** Quantitation Limit
 B Analyte detected in the associated Method Blank
 H Holding times for preparation or analysis exceeded
 JN Non-routine analyte. Quantitation estimated
 S Spike Recovery outside accepted recovery limits

. Results reported are not blank corrected
 E Estimated Value above quantitation range
 J Analyte detected below quantitation limit
 ND Not Detected at the Limit of Detection

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Centek Laboratories, LLC

Date: 10-Sep-18

CLIENT: BE3/Panamerican
 Lab Order: C1808061
 Project: 31 Tonawanda St
 Lab ID: C1808061-008A

Client Sample ID: SS-05
 Tag Number: 138,1163
 Collection Date: 8/21/2018
 Matrix: AIR

| Analyses | Result | **Limit | Qual | Units | DF | Date Analyzed |
|------------------------------|--------|---------|------|-------|----|-----------------------|
| FIELD PARAMETERS | | | | | | |
| Lab Vacuum In | -1 | | | "Hg | | 8/24/2018 |
| Lab Vacuum Out | -30 | | | "Hg | | 8/24/2018 |
| 1UG/M3 BY METHOD TO15 | | | | | | |
| | | FLD | | | | Analyst: |
| 1,1,1-Trichloroethane | 2.9 | 1.5 | | ppbV | 10 | 8/28/2018 9:24:00 PM |
| 1,1,2,2-Tetrachloroethane | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 11:39:00 PM |
| 1,1,2-Trichloroethane | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 11:39:00 PM |
| 1,1-Dichloroethane | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 11:39:00 PM |
| 1,1-Dichloroethene | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 11:39:00 PM |
| 1,2,4-Trichlorobenzene | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 11:39:00 PM |
| 1,2,4-Trimethylbenzene | 0.98 J | 0.15 | | ppbV | 1 | 8/27/2018 11:39:00 PM |
| 1,2-Dibromoethane | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 11:39:00 PM |
| 1,2-Dichlorobenzene | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 11:39:00 PM |
| 1,2-Dichloroethane | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 11:39:00 PM |
| 1,2-Dichloropropane | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 11:39:00 PM |
| 1,3,5-Trimethylbenzene | 0.42 J | 0.15 | | ppbV | 1 | 8/27/2018 11:39:00 PM |
| 1,3-butadiene | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 11:39:00 PM |
| 1,3-Dichlorobenzene | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 11:39:00 PM |
| 1,4-Dichlorobenzene | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 11:39:00 PM |
| 1,4-Dioxane | < 0.30 | 0.30 | | ppbV | 1 | 8/27/2018 11:39:00 PM |
| 2,2,4-trimethylpentane | 0.37 | 0.15 | | ppbV | 1 | 8/27/2018 11:39:00 PM |
| 4-ethyltoluene | 0.22 J | 0.15 | | ppbV | 1 | 8/27/2018 11:39:00 PM |
| Acetone | 21 | 3.0 | | ppbV | 10 | 8/28/2018 9:24:00 PM |
| Allyl chloride | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 11:39:00 PM |
| Benzene | 0.50 | 0.15 | | ppbV | 1 | 8/27/2018 11:39:00 PM |
| Benzyl chloride | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 11:39:00 PM |
| Bromodichloromethane | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 11:39:00 PM |
| Bromoform | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 11:39:00 PM |
| Bromomethane | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 11:39:00 PM |
| Carbon disulfide | 0.43 | 0.15 | | ppbV | 1 | 8/27/2018 11:39:00 PM |
| Carbon tetrachloride | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 11:39:00 PM |
| Chlorobenzene | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 11:39:00 PM |
| Chloroethane | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 11:39:00 PM |
| Chloroform | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 11:39:00 PM |
| Chloromethane | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 11:39:00 PM |
| cis-1,2-Dichloroethene | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 11:39:00 PM |
| cis-1,3-Dichloropropene | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 11:39:00 PM |
| Cyclohexane | 2.8 | 1.5 | | ppbV | 10 | 8/28/2018 9:24:00 PM |
| Dibromochloromethane | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 11:39:00 PM |
| Ethyl acetate | 0.41 | 0.15 | | ppbV | 1 | 8/27/2018 11:39:00 PM |

Qualifiers: ** Quantitation Limit
 B Analyte detected in the associated Method Blank
 H Holding times for preparation or analysis exceeded
 N Non-routine analyte. Quantitation estimated.
 S Spike Recovery outside accepted recovery limits

Results reported are not blank corrected
 E Estimated Value above quantitation range
 J Analyte detected below quantitation limit
 ND Not Detected at the Limit of Detection

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Centek Laboratories, LLC

Date: 10-Sep-18

CLIENT: BE3/Panamerican
 Lab Order: C1808061
 Project: 31 Tonawanda St
 Lab ID: C1808061-008A

Client Sample ID: SS-05
 Tag Number: 138,1163
 Collection Date: 8/21/2018
 Matrix: AIR

| Analyses | Result | **Limit | Qual | Units | DF | Date Analyzed |
|---------------------------|--------|---------|------|--------------|----|-----------------------|
| 1UG/M3 BY METHOD TO15 | | TO-15 | | Analyst: RJP | | |
| Ethylbenzene | 0.29 J | 0.15 | | ppbV | 1 | 8/27/2018 11:39:00 PM |
| Freon 11 | 0.39 | 0.15 | | ppbV | 1 | 8/27/2018 11:39:00 PM |
| Freon 113 | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 11:39:00 PM |
| Freon 114 | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 11:39:00 PM |
| Freon 12 | 0.36 | 0.15 | | ppbV | 1 | 8/27/2018 11:39:00 PM |
| Heptane | 1.2 | 0.15 | | ppbV | 1 | 8/27/2018 11:39:00 PM |
| Hexachloro-1,3-butadiene | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 11:39:00 PM |
| Hexane | 4.4 | 1.5 | | ppbV | 10 | 8/28/2018 9:24:00 PM |
| Isopropyl alcohol | 5.1 JN | 1.5 | | ppbV | 10 | 8/28/2018 9:24:00 PM |
| m&p-Xylene | 0.92 J | 0.30 | | ppbV | 1 | 8/27/2018 11:39:00 PM |
| Methyl Butyl Ketone | < 0.30 | 0.30 | | ppbV | 1 | 8/27/2018 11:39:00 PM |
| Methyl Ethyl Ketone | 1.0 | 0.30 | | ppbV | 1 | 8/27/2018 11:39:00 PM |
| Methyl Isobutyl Ketone | 0.14 | 0.30 | J | ppbV | 1 | 8/27/2018 11:39:00 PM |
| Methyl tert-butyl ether | 0.21 | 0.15 | | ppbV | 1 | 8/27/2018 11:39:00 PM |
| Methylene chloride | 0.45 | 0.15 | | ppbV | 1 | 8/27/2018 11:39:00 PM |
| o-Xylene | 0.33 J | 0.15 | | ppbV | 1 | 8/27/2018 11:39:00 PM |
| Propylene | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 11:39:00 PM |
| Styrene | 0.15 J | 0.15 | | ppbV | 1 | 8/27/2018 11:39:00 PM |
| Tetrachloroethylene | 0.31 J | 0.15 | | ppbV | 1 | 8/27/2018 11:39:00 PM |
| Tetrahydrofuran | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 11:39:00 PM |
| Toluene | 6.3 J | 1.5 | | ppbV | 10 | 8/28/2018 9:24:00 PM |
| trans-1,2-Dichloroethene | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 11:39:00 PM |
| trans-1,3-Dichloropropene | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 11:39:00 PM |
| Trichloroethene | 16 | 1.5 | | ppbV | 10 | 8/28/2018 9:24:00 PM |
| Vinyl acetate | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 11:39:00 PM |
| Vinyl Bromide | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 11:39:00 PM |
| Vinyl chloride | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 11:39:00 PM |
| Surr: Bromofluorobenzene | 94.0 | 70-130 | | %REC | 1 | 8/27/2018 11:39:00 PM |

Qualifiers: ** Quantitation Limit
 B Analyte detected in the associated Method Blank
 H Holding times for preparation or analysis exceeded
 JN Non-routine analyte, Quantitation estimated,
 S Spike Recovery outside accepted recovery limits

- Results reported are not blank corrected
 E Estimated Value above quantitation range
 J Analyte detected below quantitation limit
 ND Not Detected at the Limit of Detection

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Centek Laboratories, LLC

Date: 10-Sep-18

CLIENT: BE3/Panamerican
 Lab Order: C1808061
 Project: 31 Tonawanda St
 Lab ID: C1808061-009A

Client Sample ID: SS-06
 Tag Number: 189,277
 Collection Date: 8/21/2018
 Matrix: AIR

| Analyses | Result | **Limit | Qual | Units | DF | Date Analyzed |
|------------------------------|--------|--------------|------|---------------------|----|-----------------------|
| FIELD PARAMETERS | | FLD | | Analyst: | | |
| Lab Vacuum In | -1 | | | "Hg | | 8/24/2018 |
| Lab Vacuum Out | -30 | | | "Hg | | 8/24/2018 |
| 1UG/M3 BY METHOD TO15 | | TO-15 | | Analyst: RJP | | |
| 1,1,1-Trichloroethane | 12 J | 1.5 | | ppbV | 10 | 8/28/2018 10:00:00 PM |
| 1,1,2,2-Tetrachloroethane | < 0.15 | 0.15 | | ppbV | 1 | 8/28/2018 12:19:00 AM |
| 1,1,2-Trichloroethane | < 0.15 | 0.15 | | ppbV | 1 | 8/28/2018 12:19:00 AM |
| 1,1-Dichloroethane | 2.2 | 1.5 | | ppbV | 10 | 8/28/2018 10:00:00 PM |
| 1,1-Dichloroethene | < 0.15 | 0.15 | | ppbV | 1 | 8/28/2018 12:19:00 AM |
| 1,2,4-Trichlorobenzene | < 0.15 | 0.15 | | ppbV | 1 | 8/28/2018 12:19:00 AM |
| 1,2,4-Trimethylbenzene | 0.50 J | 0.15 | | ppbV | 1 | 8/28/2018 12:19:00 AM |
| 1,2-Dibromoethane | < 0.15 | 0.15 | | ppbV | 1 | 8/28/2018 12:19:00 AM |
| 1,2-Dichlorobenzene | < 0.15 | 0.15 | | ppbV | 1 | 8/28/2018 12:19:00 AM |
| 1,2-Dichloroethane | 0.19 | 0.15 | | ppbV | 1 | 8/28/2018 12:19:00 AM |
| 1,2-Dichloropropane | < 0.15 | 0.15 | | ppbV | 1 | 8/28/2018 12:19:00 AM |
| 1,3,5-Trimethylbenzene | 0.15 J | 0.15 | | ppbV | 1 | 8/29/2018 12:19:00 AM |
| 1,3-butadiene | < 0.15 | 0.15 | | ppbV | 1 | 8/29/2018 12:19:00 AM |
| 1,3-Dichlorobenzene | < 0.15 | 0.15 | | ppbV | 1 | 8/28/2018 12:19:00 AM |
| 1,4-Dichlorobenzene | < 0.15 | 0.15 | | ppbV | 1 | 8/28/2018 12:19:00 AM |
| 1,4-Dioxane | 0.19 J | 0.30 J | | ppbV | 1 | 8/28/2018 12:19:00 AM |
| 2,2,4-trimethylpentane | 0.29 | 0.15 | | ppbV | 1 | 8/28/2018 12:19:00 AM |
| 4-ethyltoluene | 0.10 J | 0.15 J | | ppbV | 1 | 8/29/2018 12:19:00 AM |
| Acetone | 50 | 12 | | ppbV | 40 | 8/28/2018 10:37:00 PM |
| Allyl chloride | < 0.15 | 0.15 | | ppbV | 1 | 8/28/2018 12:19:00 AM |
| Benzene | 0.64 J | 0.15 | | ppbV | 1 | 8/28/2018 12:19:00 AM |
| Benzyl chloride | < 0.15 | 0.15 | | ppbV | 1 | 8/28/2018 12:19:00 AM |
| Bromodichloromethane | < 0.15 | 0.15 | | ppbV | 1 | 8/28/2018 12:19:00 AM |
| Bromoform | < 0.15 | 0.15 | | ppbV | 1 | 8/28/2018 12:19:00 AM |
| Bromomethane | 0.24 | 0.15 | | ppbV | 1 | 8/28/2018 12:19:00 AM |
| Carbon disulfide | 0.88 | 0.15 | | ppbV | 1 | 8/28/2018 12:19:00 AM |
| Carbon tetrachloride | < 0.15 | 0.15 | | ppbV | 1 | 8/28/2018 12:19:00 AM |
| Chlorobenzene | < 0.15 | 0.15 | | ppbV | 1 | 8/28/2018 12:19:00 AM |
| Chloroethane | 0.13 | 0.15 J | | ppbV | 1 | 8/28/2018 12:19:00 AM |
| Chloroform | < 0.15 | 0.15 | | ppbV | 1 | 8/28/2018 12:19:00 AM |
| Chloromethane | 0.29 | 0.15 | | ppbV | 1 | 8/28/2018 12:19:00 AM |
| cis-1,2-Dichloroethene | 0.18 | 0.15 | | ppbV | 1 | 8/28/2018 12:19:00 AM |
| cis-1,3-Dichloropropene | < 0.15 | 0.15 | | ppbV | 1 | 8/28/2018 12:19:00 AM |
| Cyclohexane | 19 J | 1.5 | | ppbV | 10 | 8/28/2018 10:00:00 PM |
| Dibromochloromethane | < 0.15 | 0.15 | | ppbV | 1 | 8/28/2018 12:19:00 AM |
| Ethyl acetate | 0.68 | 0.15 | | ppbV | 1 | 8/28/2018 12:19:00 AM |

Qualifiers: ** Quantitation Limit
 B Analyte detected in the associated Method Blank
 H Holding times for preparation or analysis exceeded
 JN Non-routine analyte. Quantitation estimated.
 S Spike Recovery outside accepted recovery limits

Results reported are not blank corrected
 E Estimated Value above quantitation range
 J Analyte detected below quantitation limit
 ND Not Detected at the Limit of Detection

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mvp 9/20/18

Centek Laboratories, LLC

Date: 10-Sep-18

CLIENT: BE3/Panamerican
 Lab Order: C1808061
 Project: 31 Tonawanda St
 Lab ID: C1808061-009A

Client Sample ID: SS-06
 Tag Number: 189,277
 Collection Date: 8/21/2018
 Matrix: AIR

| Analyses | Result | **Limit | Qual | Units | DF | Date Analyzed |
|---------------------------|--------|---------|------|-------|----|-----------------------|
| 1UG/M3 BY METHOD TO15 | | | | TO-15 | | Analyst: RJP |
| Ethylbenzene | 0.53 J | 0.15 | | ppbV | 1 | 8/28/2018 12:19:00 AM |
| Freon 11 | 0.29 | 0.15 | | ppbV | 1 | 8/28/2018 12:19:00 AM |
| Freon 113 | < 0.15 | 0.15 | | ppbV | 1 | 8/28/2018 12:19:00 AM |
| Freon 114 | < 0.15 | 0.15 | | ppbV | 1 | 8/28/2018 12:19:00 AM |
| Freon 12 | 0.41 | 0.15 | | ppbV | 1 | 8/28/2018 12:19:00 AM |
| Heptane | 1.8 J | 1.5 | | ppbV | 10 | 8/28/2018 10:00:00 PM |
| Hexachloro-1,3-butadiene | < 0.15 | 0.15 | | ppbV | 1 | 8/28/2018 12:19:00 AM |
| Hexane | 5.4 | 1.5 | | ppbV | 10 | 8/28/2018 10:00:00 PM |
| Isopropyl alcohol | 6.7 JN | 1.5 | | ppbV | 10 | 8/28/2018 10:00:00 PM |
| m&p-Xylene | 1.2 J | 0.30 | | ppbV | 1 | 8/28/2018 12:19:00 AM |
| Methyl Butyl Ketone | < 0.30 | 0.30 | | ppbV | 1 | 8/28/2018 12:19:00 AM |
| Methyl Ethyl Ketone | 4.6 | 3.0 | | ppbV | 10 | 8/28/2018 10:00:00 PM |
| Methyl Isobutyl Ketone | 0.37 | 0.30 | | ppbV | 1 | 8/28/2018 12:19:00 AM |
| Methyl tert-butyl ether | 2.4 | 1.5 | | ppbV | 10 | 8/28/2018 10:00:00 PM |
| Methylene chloride | 0.38 | 0.15 | | ppbV | 1 | 8/28/2018 12:19:00 AM |
| o-Xylene | 0.43 J | 0.15 | | ppbV | 1 | 8/28/2018 12:19:00 AM |
| Propylene | < 0.15 | 0.15 | | ppbV | 1 | 8/28/2018 12:19:00 AM |
| Styrene | 0.74 J | 0.15 | | ppbV | 1 | 8/28/2018 12:19:00 AM |
| Tetrachloroethylene | 57 J | 6.0 | | ppbV | 40 | 8/28/2018 10:37:00 PM |
| Tetrahydrofuran | < 0.15 | 0.15 | | ppbV | 1 | 8/28/2018 12:19:00 AM |
| Toluene | 17 J | 1.5 | | ppbV | 10 | 8/28/2018 10:00:00 PM |
| trans-1,2-Dichloroethene | < 0.15 | 0.15 | | ppbV | 1 | 8/28/2018 12:19:00 AM |
| trans-1,3-Dichloropropene | < 0.15 | 0.15 | | ppbV | 1 | 8/28/2018 12:19:00 AM |
| Trichloroethene | 7.4 J | 1.5 | | ppbV | 10 | 8/28/2018 10:00:00 PM |
| Vinyl acetate | < 0.15 | 0.15 | | ppbV | 1 | 8/28/2018 12:19:00 AM |
| Vinyl Bromide | < 0.15 | 0.15 | | ppbV | 1 | 8/28/2018 12:19:00 AM |
| Vinyl chloride | < 0.15 | 0.15 | | ppbV | 1 | 8/28/2018 12:19:00 AM |
| Surr: Bromofluorobenzenes | 87.0 | 70-130 | | %REC | 1 | 8/28/2018 12:19:00 AM |

Qualifiers: ** Quantitation Limit
 B Analyte detected in the associated Method Blank
 H Holding times for preparation or analysis exceeded
 JN Non-routine analyte. Quantitation estimated.
 S Spike Recovery outside accepted recovery limits

Results reported are not blank corrected
 E Estimated Value above quantitation range
 J Analyte detected below quantitation limit
 ND Not Detected at the Limit of Detection

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Centek Laboratories, LLC

Date: 10-Sep-18

CLIENT: BE3/Panamerican
 Lab Order: C1808061
 Project: 31 Tonawanda St
 Lab ID: C1808061-010A

Client Sample ID: SS-01
 Tag Number: 322,1170
 Collection Date: 8/21/2018
 Matrix: AIR

| Analyses | Result | **Limit | Qual | Units | DF | Date Analyzed |
|------------------------------|--------|---------|--------------|-------|-----|-----------------------|
| FIELD PARAMETERS | | | | | | |
| Lab Vacuum In | -1 | | | "Hg | | 8/24/2018 |
| Lab Vacuum Out | -30 | | | "Hg | | 8/24/2018 |
| 1UG/M3 BY METHOD TO15 | | | | | | |
| | | | TO-15 | | | Analyst: RJP |
| 1,1,1-Trichloroethane | 14 J | 1.4 | | ppbV | 9 | 8/28/2018 11:17:00 PM |
| 1,1,2,2-Tetrachloroethane | < 0.15 | 0.15 | | ppbV | 1 | 8/28/2018 12:59:00 AM |
| 1,1,2-Trichloroethane | < 0.15 | 0.15 | | ppbV | 1 | 8/28/2018 12:59:00 AM |
| 1,1-Dichloroethane | < 0.15 | 0.15 | | ppbV | 1 | 8/28/2018 12:59:00 AM |
| 1,1-Dichloroethane | < 0.15 | 0.15 | | ppbV | 1 | 8/28/2018 12:59:00 AM |
| 1,2,4-Trichlorobenzene | < 0.15 | 0.15 | | ppbV | 1 | 8/28/2018 12:59:00 AM |
| 1,2,4-Trimethylbenzene | 2.0 J | 0.15 | | ppbV | 1 | 8/28/2018 12:59:00 AM |
| 1,2-Dibromoethane | < 0.15 | 0.15 | | ppbV | 1 | 8/28/2018 12:59:00 AM |
| 1,2-Dichlorobenzene | < 0.15 | 0.15 | | ppbV | 1 | 8/28/2018 12:59:00 AM |
| 1,2-Dichloroethane | 0.64 | 0.15 | | ppbV | 1 | 8/28/2018 12:59:00 AM |
| 1,2-Dichloropropane | < 0.15 | 0.15 | | ppbV | 1 | 8/28/2018 12:59:00 AM |
| 1,3,5-Trimethylbenzene | 0.70 | 0.15 | | ppbV | 1 | 8/28/2018 12:59:00 AM |
| 1,3-butadiene | < 0.15 | 0.15 | | ppbV | 1 | 8/28/2018 12:59:00 AM |
| 1,3-Dichlorobenzene | < 0.15 | 0.15 | | ppbV | 1 | 8/28/2018 12:59:00 AM |
| 1,4-Dichlorobenzene | < 0.15 | 0.15 | | ppbV | 1 | 8/28/2018 12:59:00 AM |
| 1,4-Dioxane | 0.72 J | 0.30 | | ppbV | 1 | 8/28/2018 12:59:00 AM |
| 2,2,4-trimethylpentane | 0.17 | 0.15 | | ppbV | 1 | 8/28/2018 12:59:00 AM |
| 4-ethyltoluene | 0.50 J | 0.15 | | ppbV | 1 | 8/28/2018 12:59:00 AM |
| Acetone | 380 | 54 | | ppbV | 180 | 8/28/2018 11:54:00 PM |
| Allyl chloride | < 0.15 | 0.15 | | ppbV | 1 | 8/28/2018 12:59:00 AM |
| Benzene | 1.5 J | 0.15 | | ppbV | 1 | 8/28/2018 12:59:00 AM |
| Benzyl chloride | < 0.15 | 0.15 | | ppbV | 1 | 8/28/2018 12:59:00 AM |
| Bromodichloromethane | < 0.15 | 0.15 | | ppbV | 1 | 8/28/2018 12:59:00 AM |
| Bromoform | < 0.15 | 0.15 | | ppbV | 1 | 8/28/2018 12:59:00 AM |
| Bromomethane | < 0.15 | 0.15 | | ppbV | 1 | 8/28/2018 12:59:00 AM |
| Carbon disulfide | 5.5 | 1.4 | | ppbV | 9 | 8/28/2018 11:17:00 PM |
| Carbon tetrachloride | < 0.15 | 0.15 | | ppbV | 1 | 8/28/2018 12:59:00 AM |
| Chlorobenzene | < 0.15 | 0.15 | | ppbV | 1 | 8/28/2018 12:59:00 AM |
| Chloroethane | < 0.15 | 0.15 | | ppbV | 1 | 8/28/2018 12:59:00 AM |
| Chloroform | 0.26 | 0.15 | | ppbV | 1 | 8/28/2018 12:59:00 AM |
| Chloromethane | 0.17 | 0.15 | | ppbV | 1 | 8/28/2018 12:59:00 AM |
| cis-1,2-Dichloroethene | < 0.15 | 0.15 | | ppbV | 1 | 8/28/2018 12:59:00 AM |
| cis-1,3-Dichloropropene | < 0.15 | 0.15 | | ppbV | 1 | 8/28/2018 12:59:00 AM |
| Cyclohexane | 83 J | 27 | | ppbV | 180 | 8/28/2018 11:54:00 PM |
| Dibromochloromethane | < 0.15 | 0.15 | | ppbV | 1 | 8/28/2018 12:59:00 AM |
| Ethyl acetate | 2.0 | 0.15 | | ppbV | 1 | 8/28/2018 12:59:00 AM |

Qualifiers: ** Quantitation Limit
 B Analyte detected in the associated Method Blank
 H Holding times for preparation or analysis exceeded
 JN Non-routine analyte. Quantitation estimated.
 S Spike Recovery outside accepted recovery limits

- Results reported are not blank corrected
 E Estimated Value above quantitation range
 J Analyte detected below quantitation limit
 ND Not Detected at the Limit of Detection

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Centek Laboratories, LLC

Date: 10-Sep-18

CLIENT: BE3/Panamerican
 Lab Order: C1808061
 Project: 31 Tonawanda St
 Lab ID: C1808061-010A

Client Sample ID: SS-01
 Tag Number: 322,1170
 Collection Date: 8/21/2018
 Matrix: AIR

| Analyses | Result | **Limit | Qual | Units | DF | Date Analyzed |
|---------------------------|--------|---------|------|-------|-----|-----------------------|
| 1UG/M3 BY METHOD TO15 | | | | TO-15 | | Analyst: RJP |
| Ethylbenzene | 2.6 J | 1.4 | | ppbV | 9 | 8/28/2018 11:17:00 PM |
| Freon 11 | 0.80 | 0.15 | | ppbV | 1 | 8/28/2018 12:59:00 AM |
| Freon 113 | < 0.15 | 0.15 | | ppbV | 1 | 8/28/2018 12:59:00 AM |
| Freon 114 | < 0.15 | 0.15 | | ppbV | 1 | 8/28/2018 12:59:00 AM |
| Freon 12 | 0.40 | 0.15 | | ppbV | 1 | 8/28/2018 12:59:00 AM |
| Heptane | 17 J | 1.4 | | ppbV | 9 | 8/28/2018 11:17:00 PM |
| Hexachloro-1,3-butadiene | < 0.15 | 0.15 | | ppbV | 1 | 8/28/2018 12:59:00 AM |
| Hexane | 25 | 27 J | | ppbV | 180 | 8/28/2018 11:54:00 PM |
| Isopropyl alcohol | 21 J# | 1.4 | | ppbV | 9 | 8/28/2018 11:17:00 PM |
| m&p-Xylene | 5.1 J | 2.7 | | ppbV | 9 | 8/28/2018 11:17:00 PM |
| Methyl Butyl Ketone | < 0.30 | 0.30 | | ppbV | 1 | 8/28/2018 12:59:00 AM |
| Methyl Ethyl Ketone | 23 | 54 J | | ppbV | 160 | 8/28/2018 11:54:00 PM |
| Methyl Isobutyl Ketone | 4.0 | 2.7 | | ppbV | 9 | 8/28/2018 11:17:00 PM |
| Methyl tert-butyl ether | 7.8 | 1.4 | | ppbV | 9 | 8/28/2018 11:17:00 PM |
| Methylene chloride | 1.0 | 0.15 | | ppbV | 1 | 8/28/2018 12:59:00 AM |
| o-Xylene | 1.8 J | 0.15 | | ppbV | 1 | 8/28/2018 12:59:00 AM |
| Propylene | < 0.15 | 0.15 | | ppbV | 1 | 8/28/2018 12:59:00 AM |
| Styrene | 4.9 J | 1.4 | | ppbV | 9 | 8/28/2018 11:17:00 PM |
| Tetrachloroethylenes | 370 J | 27 | | ppbV | 180 | 8/28/2018 11:54:00 PM |
| Tetrahydrofuran | < 0.15 | 0.15 | | ppbV | 1 | 8/28/2018 12:59:00 AM |
| Toluene | 110 J | 27 | | ppbV | 180 | 8/28/2018 11:54:00 PM |
| trans-1,2-Dichloroethene | < 0.15 | 0.15 | | ppbV | 1 | 8/28/2018 12:59:00 AM |
| trans-1,3-Dichloropropene | < 0.15 | 0.15 | | ppbV | 1 | 8/28/2018 12:59:00 AM |
| Trichloroethene | 29 J | 27 | | ppbV | 180 | 8/28/2018 11:54:00 PM |
| Vinyl acetate | < 0.15 | 0.15 | | ppbV | 1 | 8/28/2018 12:59:00 AM |
| Vinyl Bromide | < 0.15 | 0.15 | | ppbV | 1 | 8/28/2018 12:59:00 AM |
| Vinyl chloride | < 0.15 | 0.15 | | ppbV | 1 | 8/28/2018 12:59:00 AM |
| Sum: Bromofluorobenzene | 101 | 70-130 | | %REC | 1 | 8/28/2018 12:59:00 AM |

Qualifiers: ** Quantitation Limit
 B Analyte detected in the associated Method Blank
 H Holding times for preparation or analysis exceeded
 JN Non-routine analyte. Quantitation estimated.
 S Spike Recovery outside accepted recovery limits

Results reported are not blank corrected
 E Estimated Value above quantitation range
 J Analyte detected below quantitation limit
 ND Not Detected at the Limit of Detection

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Centek Laboratories, LLC

Date: 10-Sep-18

CLIENT: BE3/Panamerican
 Lab Order: C1808061
 Project: 31 Tonawanda St
 Lab ID: C1808061-011A

Client Sample ID: 20180821-FD-1
 Tag Number: 353,1170
 Collection Date: 8/21/2018
 Matrix: AIR

| Analyses | Result | **Limit | Qual | Units | DF | Date Analyzed |
|------------------------------|--------|---------|--------------|-------|-----|-----------------------|
| FIELD PARAMETERS | | | | | | |
| Lab Vacuum In | -1 | | | Hg | | 8/24/2018 |
| Lab Vacuum Out | -30 | | | Hg | | 8/24/2018 |
| 1UG/M3 BY METHOD TO15 | | | | | | |
| | | | TO-15 | | | Analyst: RJP |
| 1,1,1-Trichloroethane | 11 J | 1.4 | | ppbV | 9 | 8/29/2018 12:34:00 AM |
| 1,1,2,2-Tetrachloroethane | < 0.15 | 0.15 | | ppbV | 1 | 8/28/2018 1:39:00 AM |
| 1,1,2-Trichloroethane | < 0.15 | 0.15 | | ppbV | 1 | 8/28/2018 1:39:00 AM |
| 1,1-Dichloroethane | < 0.15 | 0.15 | | ppbV | 1 | 8/28/2018 1:39:00 AM |
| 1,1-Dichloroethane | < 0.15 | 0.15 | | ppbV | 1 | 8/28/2018 1:39:00 AM |
| 1,2,4-Trichlorobenzene | < 0.15 | 0.15 | | ppbV | 1 | 8/28/2018 1:39:00 AM |
| 1,2,4-Trimethylbenzene | 2.0 J | 0.15 | | ppbV | 1 | 8/28/2018 1:39:00 AM |
| 1,2-Dibromoethane | < 0.15 | 0.15 | | ppbV | 1 | 8/28/2018 1:39:00 AM |
| 1,2-Dichlorobenzene | < 0.15 | 0.15 | | ppbV | 1 | 8/28/2018 1:39:00 AM |
| 1,2-Dichloroethane | 0.60 J | 0.15 | | ppbV | 1 | 8/28/2018 1:39:00 AM |
| 1,2-Dichloropropane | < 0.15 | 0.15 | | ppbV | 1 | 8/28/2018 1:39:00 AM |
| 1,3,5-Trimethylbenzene | 0.76 J | 0.15 | | ppbV | 1 | 8/28/2018 1:39:00 AM |
| 1,3-Butadiene | < 0.15 | 0.15 | | ppbV | 1 | 8/28/2018 1:39:00 AM |
| 1,3-Dichlorobenzene | < 0.15 | 0.15 | | ppbV | 1 | 8/28/2018 1:39:00 AM |
| 1,4-Dichlorobenzene | < 0.15 | 0.15 | | ppbV | 1 | 8/28/2018 1:39:00 AM |
| 1,4-Dioxane | 0.71 J | 0.30 | | ppbV | 1 | 8/28/2018 1:39:00 AM |
| 2,2,4-trimethylpentane | 0.16 J | 0.15 | | ppbV | 1 | 8/28/2018 1:39:00 AM |
| 4-ethyltoluene | 0.51 J | 0.15 | | ppbV | 1 | 8/28/2018 1:39:00 AM |
| Acetone | 320 J | 54 | | ppbV | 180 | 8/29/2018 1:11:00 AM |
| Allyl chloride | < 0.15 | 0.15 | | ppbV | 1 | 8/28/2018 1:39:00 AM |
| Benzene | 1.4 J | 0.15 | | ppbV | 1 | 8/28/2018 1:39:00 AM |
| Benzyl chloride | < 0.15 | 0.15 | | ppbV | 1 | 8/28/2018 1:39:00 AM |
| Bromodichloromethane | < 0.15 | 0.15 | | ppbV | 1 | 8/28/2018 1:39:00 AM |
| Bromoform | < 0.15 | 0.15 | | ppbV | 1 | 8/28/2018 1:39:00 AM |
| Bromomethane | < 0.15 | 0.15 | | ppbV | 1 | 8/28/2018 1:39:00 AM |
| Carbon disulfide | 8.9 J | 1.4 | | ppbV | 9 | 8/29/2018 12:34:00 AM |
| Carbon tetrachloride | < 0.15 | 0.15 | | ppbV | 1 | 8/28/2018 1:39:00 AM |
| Chlorobenzene | < 0.15 | 0.15 | | ppbV | 1 | 8/28/2018 1:39:00 AM |
| Chloroethane | < 0.15 | 0.15 | | ppbV | 1 | 8/28/2018 1:39:00 AM |
| Chloroform | 0.44 J | 0.15 | | ppbV | 1 | 8/28/2018 1:39:00 AM |
| Chloromethane | 0.17 J | 0.15 | | ppbV | 1 | 8/28/2018 1:39:00 AM |
| cis-1,2-Dichloroethane | < 0.15 | 0.15 | | ppbV | 1 | 8/28/2018 1:39:00 AM |
| cis-1,3-Dichloropropene | < 0.15 | 0.15 | | ppbV | 1 | 8/28/2018 1:39:00 AM |
| Cyclohexane | 65 J | 27 | | ppbV | 180 | 8/29/2018 1:11:00 AM |
| Dibromochloromethane | < 0.15 | 0.15 | | ppbV | 1 | 8/28/2018 1:39:00 AM |
| Ethyl acetate | 2.0 J | 0.15 | | ppbV | 1 | 8/28/2018 1:39:00 AM |

Qualifiers: ** Quantitation Limit
 B Analyte detected in the associated Method Blank
 H Holding times for preparation or analysis exceeded
 JN Non-routine analyte, Quantitation estimated.
 S Spike Recovery outside accepted recovery limits

Results reported are not blank corrected
 E Estimated Value above quantitation range
 J Analyte detected below quantitation limit
 ND Not Detected at the Limit of Detection

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mwp 9/20/18

Centek Laboratories, LLC

Date: 10-Sep-18

CLIENT: BE3/Panamerican
 Lab Order: C1808061
 Project: 31 Tonawanda St
 Lab ID: C1808061-011A

Client Sample ID: 20180821-FD-1
 Tag Number: 353,1170
 Collection Date: 8/21/2018
 Matrix: AIR

| Analyses | Result | **Limit | Qual | Units | DF | Date Analyzed |
|---------------------------|--------|---------|-------|-------|-----|-----------------------|
| 1UG/M3 BY METHOD TO15 | | | TO-15 | | | Analyst: RJP |
| Ethylbenzene | 2.3 J | 1.4 | | ppbV | 9 | 8/29/2018 12:34:00 AM |
| Freon 11 | 0.76 J | 0.15 | | ppbV | 1 | 8/28/2018 1:39:00 AM |
| Freon 113 | < 0.15 | 0.15 | | ppbV | 1 | 8/28/2018 1:39:00 AM |
| Freon 114 | < 0.15 | 0.15 | | ppbV | 1 | 8/28/2018 1:39:00 AM |
| Freon 12 | 0.40 J | 0.15 | | ppbV | 1 | 8/29/2018 1:39:00 AM |
| Heptane | 16 J | 1.4 | | ppbV | 9 | 8/29/2018 12:34:00 AM |
| Hexachloro-1,3-butadiene | < 0.15 | 0.15 | | ppbV | 1 | 8/28/2018 1:39:00 AM |
| Hexane | 22 J | 27 J | | ppbV | 180 | 8/29/2018 1:11:00 AM |
| Isopropyl alcohol | < 0.15 | 0.15 | | ppbV | 1 | 8/28/2018 1:39:00 AM |
| m&p-Xylene | 5.2 J | 2.7 | | ppbV | 9 | 8/29/2018 12:34:00 AM |
| Methyl Butyl Ketone | < 0.30 | 0.30 | | ppbV | 1 | 8/28/2018 1:39:00 AM |
| Methyl Ethyl Ketone | 18 J | 54 J | | ppbV | 180 | 8/29/2018 1:11:00 AM |
| Methyl Isobutyl Ketone | 6.1 J | 2.7 | | ppbV | 9 | 8/29/2018 12:34:00 AM |
| Methyl tert-butyl ether | 6.8 J | 1.4 | | ppbV | 9 | 8/29/2018 12:34:00 AM |
| Methylene chloride | 1.2 J | 0.15 | | ppbV | 1 | 8/28/2018 1:39:00 AM |
| o-Xylene | 2.0 J | 0.15 | | ppbV | 1 | 8/28/2018 1:39:00 AM |
| Propylene | < 0.15 | 0.15 | | ppbV | 1 | 8/28/2018 1:39:00 AM |
| Styrene | 4.3 J | 1.4 | | ppbV | 9 | 8/29/2018 12:34:00 AM |
| Tetrachloroethylene | 320 J | 27 | | ppbV | 180 | 8/29/2018 1:11:00 AM |
| Tetrahydrofuran | < 0.15 | 0.15 | | ppbV | 1 | 8/28/2018 1:39:00 AM |
| Toluene | 100 J | 27 | | ppbV | 180 | 8/29/2018 1:11:00 AM |
| trans-1,2-Dichloroethene | < 0.15 | 0.15 | | ppbV | 1 | 8/28/2018 1:39:00 AM |
| trans-1,3-Dichloropropene | < 0.15 | 0.15 | | ppbV | 1 | 8/28/2018 1:39:00 AM |
| Trichloroethene | 27 J | 27 | | ppbV | 180 | 8/29/2018 1:11:00 AM |
| Vinyl acetate | < 0.15 | 0.15 | | ppbV | 1 | 8/28/2018 1:39:00 AM |
| Vinyl Bromide | < 0.15 | 0.15 | | ppbV | 1 | 8/28/2018 1:39:00 AM |
| Vinyl chloride | < 0.15 | 0.15 | | ppbV | 1 | 8/28/2018 1:39:00 AM |
| Surr. Bromofluorobenzene | 98.0 | 70-130 | | %REC | 1 | 8/28/2018 1:39:00 AM |

Qualifiers: ** Quantitation Limit
 B Analyte detected in the associated Method Blank
 H Holding times for preparation or analysis exceeded
 JN Non-routine analyte. Quantitation estimated.
 S Spike Recovery outside accepted recovery limits

- Results reported are not blank corrected
 E Estimated Value above quantitation range
 J Analyte detected below quantitation limit
 ND Not Detected at the Limit of Detection

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mva/kj10

Centek Laboratories, LLC

Date: 10-Sep-18

CLIENT: BE3/Panamerican
 Lab Order: C1808061
 Project: 31 Tonawanda St
 Lab ID: C1808061-012A

Client Sample ID: SS-02
 Tag Number: 546,337
 Collection Date: 8/21/2018
 Matrix: AIR

| Analyses | Result | **Limit | Qual | Units | DF | Date Analyzed |
|------------------------------|--------|---------|------------|-------|-----|----------------------|
| FIELD PARAMETERS | | | | | | |
| Lab Vacuum In | -1 | | | "Hg | | Analyst: 8/24/2018 |
| Lab Vacuum Out | -30 | | | "Hg | | 8/24/2018 |
| 1UG/M3 BY METHOD TO15 | | | | | | |
| | | | FLD | | | Analyst: RJP |
| 1,1,1-Trichloroethane | 65 J | 27 | | ppbV | 180 | 8/29/2018 2:28:00 AM |
| 1,1,2,2-Tetrachloroethane | < 0.15 | 0.15 | | ppbV | 1 | 8/28/2018 2:19:00 AM |
| 1,1,2-Trichloroethane | < 0.15 | 0.15 | | ppbV | 1 | 8/28/2018 2:19:00 AM |
| 1,1-Dichloroethane | < 0.15 | 0.15 | | ppbV | 1 | 8/28/2018 2:19:00 AM |
| 1,1-Dichloroethene | < 0.15 | 0.15 | | ppbV | 1 | 8/28/2018 2:19:00 AM |
| 1,2,4-Trichlorobenzene | < 0.15 | 0.15 | | ppbV | 1 | 8/28/2018 2:19:00 AM |
| 1,2,4-Trimethylbenzene | 1.9 J | 0.15 | | ppbV | 1 | 8/28/2018 2:19:00 AM |
| 1,2-Dibromoethane | < 0.15 | 0.15 | | ppbV | 1 | 8/28/2018 2:19:00 AM |
| 1,2-Dichlorobenzene | < 0.15 | 0.15 | | ppbV | 1 | 8/28/2018 2:19:00 AM |
| 1,2-Dichloroethane | 0.40 J | 0.15 | | ppbV | 1 | 8/28/2018 2:19:00 AM |
| 1,2-Dichloropropane | < 0.15 | 0.15 | | ppbV | 1 | 8/29/2018 2:19:00 AM |
| 1,3,5-Trimethylbenzene | 0.67 J | 0.15 | | ppbV | 1 | 8/28/2018 2:19:00 AM |
| 1,3-butadiene | < 0.15 | 0.15 | | ppbV | 1 | 8/28/2018 2:19:00 AM |
| 1,3-Dichlorobenzene | < 0.15 | 0.15 | | ppbV | 1 | 8/28/2018 2:19:00 AM |
| 1,4-Dichlorobenzene | < 0.15 | 0.15 | | ppbV | 1 | 8/28/2018 2:19:00 AM |
| 1,4-Dioxane | 1.5 J | 0.30 | | ppbV | 1 | 8/28/2018 2:19:00 AM |
| 2,2,4-trimethylpentane | 0.38 J | 0.15 | | ppbV | 1 | 8/28/2018 2:19:00 AM |
| 4-ethyltoluene | 0.48 J | 0.15 | | ppbV | 1 | 8/28/2018 2:19:00 AM |
| Acetone | 510 J | 54 | | ppbV | 180 | 8/29/2018 2:28:00 AM |
| Allyl chloride | < 0.15 | 0.15 | | ppbV | 1 | 8/28/2018 2:19:00 AM |
| Benzene | 1.4 J | 0.15 | | ppbV | 1 | 8/28/2018 2:19:00 AM |
| Benzyl chloride | < 0.15 | 0.15 | | ppbV | 1 | 8/28/2018 2:19:00 AM |
| Bromodichloromethane | < 0.15 | 0.15 | | ppbV | 1 | 8/28/2018 2:19:00 AM |
| Bromoform | < 0.15 | 0.15 | | ppbV | 1 | 8/28/2018 2:19:00 AM |
| Bromomethane | < 0.15 | 0.15 | | ppbV | 1 | 8/28/2018 2:19:00 AM |
| Carbon disulfide | 5.8 J | 1.4 | | ppbV | 9 | 8/29/2018 1:51:00 AM |
| Carbon tetrachloride | < 0.15 | 0.15 | | ppbV | 1 | 8/28/2018 2:19:00 AM |
| Chlorobenzene | < 0.15 | 0.15 | | ppbV | 1 | 8/28/2018 2:19:00 AM |
| Chloroethane | < 0.15 | 0.15 | | ppbV | 1 | 8/28/2018 2:19:00 AM |
| Chloroform | 0.37 J | 0.15 | | ppbV | 1 | 8/28/2018 2:19:00 AM |
| Chloromethane | 0.26 J | 0.15 | | ppbV | 1 | 8/28/2018 2:19:00 AM |
| cis-1,2-Dichloroethene | 0.20 J | 0.15 | | ppbV | 1 | 8/28/2018 2:19:00 AM |
| cis-1,3-Dichloropropene | < 0.15 | 0.15 | | ppbV | 1 | 8/28/2018 2:19:00 AM |
| Cyclohexane | 110 J | 27 | | ppbV | 180 | 8/29/2018 2:28:00 AM |
| Dibromochloromethane | < 0.15 | 0.15 | | ppbV | 1 | 8/28/2018 2:19:00 AM |
| Ethyl acetate | 1.5 J | 0.15 | | ppbV | 1 | 8/28/2018 2:19:00 AM |

Qualifiers: ** Quantitation Limit
 B Analyte detected in the associated Method Blank
 H Holding times for preparation or analysis exceeded
 JN Non-routine analyte. Quantitation estimated.
 S Spike Recovery outside accepted recovery limits

Results reported are not blank corrected
 E Estimated Value above quantitation range
 J Analyte detected below quantitation limit
 ND Not Detected at the Limit of Detection

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mvpq/20/116

Centek Laboratories, LLC

Date: 10-Sep-18

CLIENT: BE3/Panamerican
 Lab Order: C1808061
 Project: 31 Tonawanda St
 Lab ID: C1808061-012A

Client Sample ID: SS-02
 Tag Number: 546,337
 Collection Date: 8/21/2018
 Matrix: AIR

| Analyses | Result | **Limit | Qual | Units | DF | Date Analyzed |
|---------------------------|--------|---------|------|--------------|-----|----------------------|
| 1UG/M3 BY METHOD TO15 | | TO-15 | | Analyst: RJP | | |
| Ethylbenzene | 1.8 J | 0.15 | | ppbV | 1 | 8/28/2018 2:19:00 AM |
| Freon 11 | 0.62 J | 0.15 | | ppbV | 1 | 8/28/2018 2:19:00 AM |
| Freon 113 | < 0.15 | 0.15 | | ppbV | 1 | 8/28/2018 2:19:00 AM |
| Freon 114 | < 0.15 | 0.15 | | ppbV | 1 | 8/28/2018 2:19:00 AM |
| Freon 12 | 0.48 J | 0.15 | | ppbV | 1 | 8/28/2018 2:19:00 AM |
| Heptane | 9.5 J | 1.4 | | ppbV | 9 | 8/29/2018 1:51:00 AM |
| Hexachloro-1,3-butadiene | < 0.15 | 0.15 | | ppbV | 1 | 8/28/2018 2:19:00 AM |
| Hexane | 41 J | 27 | | ppbV | 180 | 8/29/2018 2:28:00 AM |
| Isopropyl alcohol | 260 JN | 27 | | ppbV | 180 | 8/29/2018 2:28:00 AM |
| m&p-Xylene | 3.9 J | 0.30 | | ppbV | 1 | 8/28/2018 2:19:00 AM |
| Methyl Butyl Ketone | < 0.30 | 0.30 | | ppbV | 1 | 8/28/2018 2:19:00 AM |
| Methyl Ethyl Ketone | 36 J | 54 J | | ppbV | 180 | 8/29/2018 2:28:00 AM |
| Methyl Isobutyl Ketone | 1.4 J | 0.30 | | ppbV | 1 | 8/28/2018 2:19:00 AM |
| Methyl tert-butyl ether | 8.2 J | 1.4 | | ppbV | 9 | 8/29/2018 1:51:00 AM |
| Methylene chloride | 0.74 J | 0.15 | | ppbV | 1 | 8/28/2018 2:19:00 AM |
| o-Xylene | 1.3 J | 0.15 | | ppbV | 1 | 8/28/2018 2:19:00 AM |
| Propylene | < 0.15 | 0.15 | | ppbV | 1 | 8/28/2018 2:19:00 AM |
| Styrene | 3.3 J | 1.4 | | ppbV | 9 | 8/29/2018 1:51:00 AM |
| Tetrachloroethylene | 420 J | 27 | | ppbV | 180 | 8/29/2018 2:28:00 AM |
| Tetrahydrofuran | < 0.15 | 0.15 | | ppbV | 1 | 8/28/2018 2:19:00 AM |
| Toluene | 170 J | 27 | | ppbV | 180 | 8/29/2018 2:28:00 AM |
| trans-1,2-Dichloroethene | 0.28 J | 0.15 | | ppbV | 1 | 8/28/2018 2:19:00 AM |
| trans-1,3-Dichloropropene | < 0.15 | 0.15 | | ppbV | 1 | 8/28/2018 2:19:00 AM |
| Trichloroethene | 120 J | 27 | | ppbV | 180 | 8/29/2018 2:28:00 AM |
| Vinyl acetate | < 0.15 | 0.15 | | ppbV | 1 | 8/28/2018 2:19:00 AM |
| Vinyl Bromide | < 0.15 | 0.15 | | ppbV | 1 | 8/28/2018 2:19:00 AM |
| Vinyl chloride | < 0.15 | 0.15 | | ppbV | 1 | 8/28/2018 2:19:00 AM |
| Surr. Bromofluorobenzene | 97.0 | 70-130 | | %REC | 1 | 8/29/2018 2:19:00 AM |

Qualifiers: ** Quantitation Limit
 B Analyte detected in the associated Method Blank
 H Holding times for preparation or analysis exceeded
 JN Non-routine analyte, Quantitation estimated.
 S Spike Recovery outside accepted recovery limits

Results reported are not blank corrected
 E Estimated Value above quantitation range
 J Analyte detected below quantitation limit
 ND Not Detected at the Limit of Detection

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mva/2018

Centek Laboratories, LLC

Date: 10-Sep-18

CLIENT: BE3/Panamerican
 Lab Order: C1808061
 Project: 31 Tonawanda St
 Lab ID: C1808061-013A

Client Sample ID: SS-03
 Tag Number: 237,309
 Collection Date: 8/21/2018
 Matrix: AIR

| Analyses | Result | **Limit | Qual | Units | DF | Date Analyzed |
|------------------------------|--------|--------------|------|---------------------|-----|----------------------|
| FIELD PARAMETERS | | FLD | | Analyst: | | |
| Lab Vacuum In | -1 | | | "Hg | | 8/24/2018 |
| Lab Vacuum Out | -30 | | | "Hg | | 8/24/2018 |
| 1UG/M3 BY METHOD TO15 | | TO-15 | | Analyst: RJP | | |
| 1,1,1-Trichloroethane | 310 J | 54 | | ppbV | 360 | 8/28/2018 8:21:00 AM |
| 1,1,2,2-Tetrachloroethane | < 0.15 | 0.15 | | ppbV | 1 | 8/28/2018 2:59:00 AM |
| 1,1,2-Trichloroethane | < 0.15 | 0.15 | | ppbV | 1 | 8/28/2018 2:59:00 AM |
| 1,1-Dichloroethane | < 0.15 | 0.15 | | ppbV | 1 | 8/28/2018 2:59:00 AM |
| 1,1-Dichloroethene | < 0.15 | 0.15 | | ppbV | 1 | 8/28/2018 2:59:00 AM |
| 1,2,4-Trichlorobenzene | < 0.15 | 0.15 | | ppbV | 1 | 8/28/2018 2:59:00 AM |
| 1,2,4-Trimethylbenzene | 1.7 J | 0.15 | | ppbV | 1 | 8/28/2018 2:59:00 AM |
| 1,2-Dibromoethane | < 0.15 | 0.15 | | ppbV | 1 | 8/28/2018 2:59:00 AM |
| 1,2-Dichlorobenzene | < 0.15 | 0.15 | | ppbV | 1 | 8/28/2018 2:59:00 AM |
| 1,2-Dichloroethane | < 0.15 | 0.15 | | ppbV | 1 | 8/28/2018 2:59:00 AM |
| 1,2-Dichloropropane | < 0.15 | 0.15 | | ppbV | 1 | 8/28/2018 2:59:00 AM |
| 1,3,5-Trimethylbenzene | 0.62 J | 0.15 | | ppbV | 1 | 8/28/2018 2:59:00 AM |
| 1,3-butadiene | < 0.15 | 0.15 | | ppbV | 1 | 8/28/2018 2:59:00 AM |
| 1,3-Dichlorobenzene | < 0.15 | 0.15 | | ppbV | 1 | 8/28/2018 2:59:00 AM |
| 1,4-Dichlorobenzene | < 0.15 | 0.15 | | ppbV | 1 | 8/28/2018 2:59:00 AM |
| 1,4-Dioxane | 0.83 J | 0.30 | | ppbV | 1 | 8/28/2018 2:59:00 AM |
| 2,2,4-trimethylpentane | 0.74 J | 0.15 | | ppbV | 1 | 8/28/2018 2:59:00 AM |
| 4-ethyltoluene | 0.44 J | 0.15 | | ppbV | 1 | 8/28/2018 2:59:00 AM |
| Acetone | 58 J | 110 J | | ppbV | 360 | 8/29/2018 8:21:00 AM |
| Allyl chloride | < 0.15 | 0.15 | | ppbV | 1 | 8/28/2018 2:59:00 AM |
| Benzene | < 0.15 | 0.15 | | ppbV | 1 | 8/28/2018 2:59:00 AM |
| Benzyl chloride | < 0.15 | 0.15 | | ppbV | 1 | 8/28/2018 2:59:00 AM |
| Bromodichloromethane | < 0.15 | 0.15 | | ppbV | 1 | 8/28/2018 2:59:00 AM |
| Bromoform | < 0.15 | 0.15 | | ppbV | 1 | 8/28/2018 2:59:00 AM |
| Bromomethane | < 0.15 | 0.15 | | ppbV | 1 | 8/28/2018 2:59:00 AM |
| Carbon disulfide | 10 J | 1.4 | | ppbV | 9 | 8/29/2018 3:08:00 AM |
| Carbon tetrachloride | < 0.15 | 0.15 | | ppbV | 1 | 8/28/2018 2:59:00 AM |
| Chlorobenzene | < 0.15 | 0.15 | | ppbV | 1 | 8/28/2018 2:59:00 AM |
| Chloroethane | 0.26 J | 0.15 | | ppbV | 1 | 8/28/2018 2:59:00 AM |
| Chloroform | 0.39 J | 0.15 | | ppbV | 1 | 8/28/2018 2:59:00 AM |
| Chloromethane | 0.30 J | 0.15 | | ppbV | 1 | 8/28/2018 2:59:00 AM |
| cis-1,2-Dichloroethene | < 0.15 | 0.15 | | ppbV | 1 | 8/28/2018 2:59:00 AM |
| cis-1,3-Dichloropropene | < 0.15 | 0.15 | | ppbV | 1 | 8/28/2018 2:59:00 AM |
| Cyclohexane | 160 J | 27 | | ppbV | 180 | 8/29/2018 3:45:00 AM |
| Dibromochloromethane | < 0.15 | 0.15 | | ppbV | 1 | 8/29/2018 2:59:00 AM |
| Ethyl acetate | 3.1 J | 1.4 | | ppbV | 9 | 8/29/2018 3:08:00 AM |

Qualifiers: ** Quantitation Limit
 B Analyte detected in the associated Method Blank
 H Holding times for preparation or analysis exceeded
 JN Non-routine analyte. Quantitation estimated.
 S Spike Recovery outside accepted recovery limits

Results reported are not blank corrected
 E Estimated Value above quantitation range
 J Analyte detected below quantitation limit
 ND Not Detected at the Limit of Detection

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mre 9/6/18

Centek Laboratories, LLC

Date: 10-Sep-18

CLIENT: BE3/Panamerican
 Lab Order: C1808061
 Project: 31 Tonawanda St
 Lab ID: C1808061-013A

Client Sample ID: SS-03
 Tag Number: 237,309
 Collection Date: 8/21/2018
 Matrix: AIR

| Analyses | Result | **Limit | Qual | Units | DF | Date Analyzed |
|---------------------------|--------|---------|------|--------------|-----|----------------------|
| 1UG/M3 BY METHOD TO15 | | TO-15 | | Analyst: RJP | | |
| Ethylbenzene | 1.9 J | 1.4 | | ppbV | 9 | 8/29/2018 3:08:00 AM |
| Freon 11 | 0.43 J | 0.15 | | ppbV | 1 | 8/28/2018 2:59:00 AM |
| Freon 113 | 63 J | 27 | | ppbV | 180 | 8/29/2018 3:45:00 AM |
| Freon 114 | < 0.15 | 0.15 | | ppbV | 1 | 8/28/2018 2:59:00 AM |
| Freon 12 | 0.57 J | 0.15 | | ppbV | 1 | 8/28/2018 2:59:00 AM |
| Heptane | 74 J | 27 | | ppbV | 180 | 8/29/2018 3:45:00 AM |
| Hexachloro-1,3-butadiene | < 0.15 | 0.15 | | ppbV | 1 | 8/28/2018 2:59:00 AM |
| Hexane | 140 | 27 | | ppbV | 180 | 8/29/2018 3:45:00 AM |
| Isopropyl alcohol | 119 JN | 27 | | ppbV | 180 | 8/29/2018 3:45:00 AM |
| m&p-Xylene | 4.1 J | 0.30 | | ppbV | 1 | 8/28/2018 2:59:00 AM |
| Methyl Butyl Ketone | < 0.30 | 0.30 | | ppbV | 1 | 8/28/2018 2:59:00 AM |
| Methyl Ethyl Ketone | 45 J | 54 J | | ppbV | 180 | 8/29/2018 3:45:00 AM |
| Methyl Isobutyl Ketone | < 0.30 | 0.30 | | ppbV | 1 | 8/28/2018 2:59:00 AM |
| Methyl tert-butyl ether | < 0.15 | 0.15 | | ppbV | 1 | 8/28/2018 2:59:00 AM |
| Methylene chloride | 1.1 J | 0.15 | | ppbV | 1 | 8/28/2018 2:59:00 AM |
| o-Xylene | 1.3 J | 0.15 | | ppbV | 1 | 8/28/2018 2:59:00 AM |
| Propylene | < 0.15 | 0.15 | | ppbV | 1 | 8/28/2018 2:59:00 AM |
| Styrene | 3.2 J | 1.4 | | ppbV | 9 | 8/29/2018 3:08:00 AM |
| Tetrachloroethylene | 300 J | 54 | | ppbV | 360 | 8/29/2018 8:21:00 AM |
| Tetrahydrofuran | < 0.15 | 0.15 | | ppbV | 1 | 8/28/2018 2:59:00 AM |
| Toluene | 210 J | 27 | | ppbV | 180 | 8/29/2018 3:45:00 AM |
| trans-1,2-Dichloroethene | < 0.15 | 0.15 | | ppbV | 1 | 8/28/2018 2:59:00 AM |
| trans-1,3-Dichloropropane | < 0.15 | 0.15 | | ppbV | 1 | 8/28/2018 2:59:00 AM |
| Trichloroethene | 120 J | 27 | | ppbV | 180 | 8/29/2018 3:45:00 AM |
| Vinyl acetate | < 0.15 | 0.15 | | ppbV | 1 | 8/28/2018 2:59:00 AM |
| Vinyl Bromide | < 0.15 | 0.15 | | ppbV | 1 | 8/28/2018 2:59:00 AM |
| Vinyl chloride | < 0.15 | 0.15 | | ppbV | 1 | 8/28/2018 2:59:00 AM |
| Sum: Bromofluorobenzene | 93.0 | 70-130 | | %REC | 1 | 8/28/2018 2:59:00 AM |

Qualifiers: ** Quantitation Limit
 B Analyte detected in the associated Method Blank
 H Holding times for preparation or analysis exceeded
 JN Non-routine analyte. Quantitation estimated.
 S Spike Recovery outside accepted recovery limits

Results reported are not blank corrected
 E Estimated Value above quantitation range
 J Analyte detected below quantitation limit
 ND Not Detected at the Limit of Detection

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mvp 9/20/18

Centek Laboratories, LLC

Date: 10-Sep-18

CLIENT: BE3/Panamerican
 Lab Order: C1808061
 Project: 31 Tonawanda St
 Lab ID: C1808061-014A

Client Sample ID: 1A-02
 Tag Number: 325,384
 Collection Date: 8/21/2018
 Matrix: AIR

| Analyses | Result | **Limit | Qual | Units | DF | Date Analyzed |
|---|---------|---------|------|--------------|----|-----------------------|
| FIELD PARAMETERS | | FLD | | Analyst: | | |
| Lab Vacuum In | -1 | | | "Hg | | 8/24/2018 |
| Lab Vacuum Out | -30 | | | "Hg | | 8/24/2018 |
| 1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE | | TO-15 | | Analyst: RJP | | |
| 1,1,1-Trichloroethane | 1.7 | 0.15 | | ppbV | 1 | 8/27/2018 10:19:00 PM |
| 1,1,2,2-Tetrachloroethane | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 10:19:00 PM |
| 1,1,2-Trichloroethane | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 10:19:00 PM |
| 1,1-Dichloroethane | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 10:19:00 PM |
| 1,1-Dichloroethene | < 0.040 | 0.040 | | ppbV | 1 | 8/27/2018 10:19:00 PM |
| 1,2,4-Trichlorobenzene | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 10:19:00 PM |
| 1,2,4-Trimethylbenzene | 0.48 | 0.15 | | ppbV | 1 | 8/27/2018 10:19:00 PM |
| 1,2-Dibromoethane | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 10:19:00 PM |
| 1,2-Dichlorobenzene | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 10:19:00 PM |
| 1,2-Dichloroethane | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 10:19:00 PM |
| 1,2-Dichloropropane | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 10:19:00 PM |
| 1,3,5-Trimethylbenzene | 0.18 | 0.15 | | ppbV | 1 | 8/27/2018 10:19:00 PM |
| 1,3-butadiene | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 10:19:00 PM |
| 1,3-Dichlorobenzene | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 10:19:00 PM |
| 1,4-Dichlorobenzene | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 10:19:00 PM |
| 1,4-Dioxane | < 0.30 | 0.30 | | ppbV | 1 | 8/27/2018 10:19:00 PM |
| 2,2,4-trimethylpentane | 0.30 | 0.15 | | ppbV | 1 | 8/27/2018 10:19:00 PM |
| 4-ethyltoluene | 0.11 | 0.15 | J | ppbV | 1 | 8/27/2018 10:19:00 PM |
| Acetone | 7.0 | 3.0 | | ppbV | 10 | 8/28/2018 7:34:00 PM |
| Allyl chloride | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 10:19:00 PM |
| Benzene | 0.71 | 0.15 | | ppbV | 1 | 8/27/2018 10:19:00 PM |
| Benzyl chloride | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 10:19:00 PM |
| Bromodichloromethane | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 10:19:00 PM |
| Bromoform | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 10:19:00 PM |
| Bromomethane | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 10:19:00 PM |
| Carbon disulfide | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 10:19:00 PM |
| Carbon tetrachloride | < 0.030 | 0.030 | | ppbV | 1 | 8/27/2018 10:19:00 PM |
| Chlorobenzene | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 10:19:00 PM |
| Chloroethane | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 10:19:00 PM |
| Chloroform | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 10:19:00 PM |
| Chloromethane | 0.39 | 0.15 | | ppbV | 1 | 8/27/2018 10:19:00 PM |
| cis-1,2-Dichloroethene | < 0.040 | 0.040 | | ppbV | 1 | 8/27/2018 10:19:00 PM |
| cis-1,3-Dichloropropene | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 10:19:00 PM |
| Cyclohexane | 0.23 | 0.15 | | ppbV | 1 | 8/27/2018 10:19:00 PM |
| Dibromochloromethane | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 10:19:00 PM |
| Ethyl acetate | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 10:19:00 PM |

| | | | |
|-------------|--|----|---|
| Qualifiers: | ** Quantitation Limit | . | Results reported are not blank corrected |
| B | Analyte detected in the associated Method Blank | E | Estimated Value above quantitation range |
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limit |
| JN | Non-routine analyte. Quantitation estimated. | ND | Not Detected at the Limit of Detection |
| S | Spike Recovery outside accepted recovery limits | | |

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Centek Laboratories, LLC

Date: 10-Sep-18

CLIENT: BE3/Panamerican
 Lab Order: C1808061
 Project: 31 Tonawanda St
 Lab ID: C1808061-014A

Client Sample ID: 1A-02
 Tag Number: 325,384
 Collection Date: 8/21/2018
 Matrix: AIR

| Analyses | Result | **Limit | Qual | Units | DF | Date Analyzed |
|---|---------|---------|-------|-------|----|-----------------------|
| 1UG/M3 W/ 0.2UG/M3 CT-TCE-VC-DCE-1,1DCE | | | TO-15 | | | Analyst: RJP |
| Ethylbenzene | 0.53 | 0.15 | | ppbV | 1 | 8/27/2018 10:19:00 PM |
| Freon 11 | 0.77 | 0.15 | | ppbV | 1 | 8/27/2018 10:19:00 PM |
| Freon 113 | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 10:19:00 PM |
| Freon 114 | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 10:19:00 PM |
| Freon 12 | 0.43 | 0.15 | | ppbV | 1 | 8/27/2018 10:19:00 PM |
| Heptane | 0.49 | 0.15 | | ppbV | 1 | 8/27/2018 10:19:00 PM |
| Hexachloro-1,3-butadiene | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 10:19:00 PM |
| Hexane | 1.9 | 0.15 | | ppbV | 1 | 8/27/2018 10:19:00 PM |
| Isopropyl alcohol | 2.5 | 1.5 | | ppbV | 10 | 8/28/2018 7:34:00 PM |
| m&p-Xylene | 1.9 | 0.30 | | ppbV | 1 | 8/27/2018 10:19:00 PM |
| Methyl Butyl Ketone | < 0.30 | 0.30 | | ppbV | 1 | 8/27/2018 10:19:00 PM |
| Methyl Ethyl Ketone | 1.0 | 0.30 | | ppbV | 1 | 8/27/2018 10:19:00 PM |
| Methyl Isobutyl Ketone | 0.16 | 0.30 | J | ppbV | 1 | 8/27/2018 10:19:00 PM |
| Methyl tert-butyl ether | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 10:19:00 PM |
| Methylene chloride | 0.18 | 0.15 | | ppbV | 1 | 8/27/2018 10:19:00 PM |
| o-Xylene | 0.61 | 0.15 | | ppbV | 1 | 8/27/2018 10:19:00 PM |
| Propylene | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 10:19:00 PM |
| Styrene | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 10:19:00 PM |
| Tetrachloroethylene | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 10:19:00 PM |
| Tetrahydrofuran | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 10:19:00 PM |
| Toluene | 10 | 1.5 | | ppbV | 10 | 8/28/2018 7:34:00 PM |
| trans-1,2-Dichloroethene | 0.18 | 0.15 | | ppbV | 1 | 8/27/2018 10:19:00 PM |
| trans-1,3-Dichloropropene | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 10:19:00 PM |
| Trichloroethene | 1.7 | 0.030 | | ppbV | 1 | 8/27/2018 10:19:00 PM |
| Vinyl acetate | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 10:19:00 PM |
| Vinyl Bromide | < 0.15 | 0.15 | | ppbV | 1 | 8/27/2018 10:19:00 PM |
| Vinyl chloride | < 0.040 | 0.040 | | ppbV | 1 | 8/27/2018 10:19:00 PM |
| Surr: Bromofluorobenzene | 86.0 | 70-130 | | %REC | 1 | 8/27/2018 10:19:00 PM |

Qualifiers: ** Quantitation Limit
 B Analyte detected in the associated Method Blank
 H Holding times for preparation or analysis exceeded
 JN Non-routine analyte, Quantitation estimated.
 S Spike Recovery outside accepted recovery limits

- Results reported are not blank corrected
 E Estimated Value above quantitation range
 J Analyte detected below quantitation limit
 ND Not Detected at the Limit of Detection

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Appendix B

Laboratory QC Documentation

Centek Laboratories, LLC
GC/MS QA-QC Check Report

Tune File : C:\HPCHEM\1\DATA\AP082703.D
Tune Time : 27 Aug 2018 10:58 am

Daily Calibration File : C:\HPCHEM\1\DATA\AP082703.D

48363 211757 168519
20727 90753 72222

(BFB) + 40% (IS1) (IS2) (IS3)
34545 151255 120371

| File | Sample | DL Surrogate Recovery % | Internal Standard Responses | | |
|------------|-----------------|-------------------------|-----------------------------|---------|---------|
| AP082704.D | ALCS1UG-082718 | 102 | 34017 | 151816 | 116796 |
| AP082705.D | AMS1UG-082718 | 72 | 33625 | 143545 | 98849 |
| AP082714.D | C1808061-001A | 85 | 35620 | 145368 | 117200 |
| AP082715.D | C1808061-002A | 78 | 38123 | 164473 | 151984 |
| AP082716.D | C1808061-004A | 83 | 37686 | 171178 | 145357 |
| AP082717.D | C1808061-005A | 86 | 37556 | 172564 | 137902 |
| AP082718.D | C1808061-006A | 84 | 39691 | 169673 | 141677 |
| AP082719.D | C1808061-007A | 102 | 41384 | 185103 | 172967* |
| AP082720.D | C1808061-014A | 85 | 40001 | 183508 | 156544 |
| AP082721.D | C1808061-003A | 108 | 43303 | 198711 | 193115* |
| AP082722.D | C1808061-008A | 94 | 44855 | 203320 | 177541* |
| AP082723.D | C1808061-009A | 87 | 45379 | 217313* | 201487* |
| AP082724.D | C1808061-010A | 101 | 48318 | 245467* | 226674* |
| AP082725.D | C1808061-011A | 98 | 52525* | 268283* | 241318* |
| AP082726.D | C1808061-012A | 97 | 56322* | 282220* | 246911* |
| AP082727.D | C1808061-013A | 93 | 59403* | 289380* | 260778* |
| AP082728.D | ALCS1UGD-082718 | 100 | 54511* | 271335* | 243933* |

t - fails 24hr time check * - fails criteria

Created: Mon Sep 10 11:32:13 2018 MSD #1/

Centek Laboratories, LLC

GC/MS QA-QC Check Report

Tune File : C:\HPCHEM\1\DATA\AP082803.D

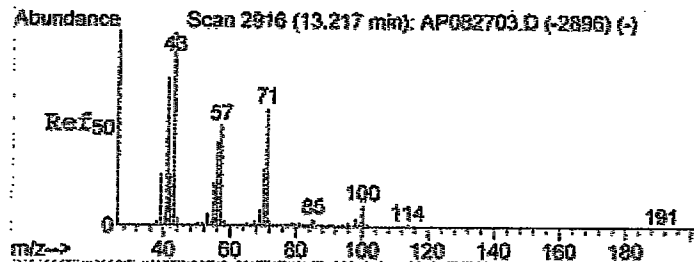
Tune Time : 28 Aug 2018 10:00 am

Daily Calibration File : C:\HPCHEM\1\DATA\AP082803.D

| File | Sample | DL | Surrogate Recovery % | (IS1) 42729 | (IS2) 197324 | (IS3) 153817 |
|------------|--------------------|-----|----------------------|----------------|-----------------|-----------------|
| AP082804.D | ALCS1UG-082818 | 103 | | 40961 | 187069 | 146382 |
| AP082805.D | AMB1UG-082818 | 72 | | 37553 | 159159 | 112218 |
| AP082811.D | C1808061-001A 10X | 71 | | 29416 | 119986 | 81368 |
| AP082812.D | C1808061-002A 10X | 71 | | 28973 | 118627 | 87540 |
| AP082813.D | C1808061-004A 10X | 72 | | 29538 | 119343 | 82919 |
| AP082814.D | C1808061-005A 10X | 71 | | 28660 | 118935 | 80814 |
| AP082815.D | C1808061-006A 10X | 71 | | 27514 | 115458 | 84745 |
| AP082816.D | C1808061-007A 9X | 83 | | 28876 | 122603 | 99269 |
| AP082817.D | C1808061-007A 90X | 72 | | 28870 | 117351 | 90196 |
| AP082818.D | C1808061-014A 10X | 72 | | 29319 | 118554 | 82929 |
| AP082819.D | C1808061-003A 10X | 79 | | 29683 | 126989 | 120500 |
| AP082820.D | C1808061-003A 40X | 74 | | 28685 | 122530 | 98794 |
| AP082821.D | C1808061-008A 10X | 73 | | 29683 | 122124 | 87724 |
| AP082822.D | C1808061-009A 10X | 72 | | 29625 | 131847 | 116024 |
| AP082823.D | C1808061-009A 40X | 75 | | 29608 | 124777 | 99998 |
| AP082824.D | C1808061-010A 9X | 85 | | 31441 | 143788 | 138585 |
| AP082825.D | C1808061-010A 180X | 76 | | 30950 | 126759 | 105915 |
| AP082826.D | C1808061-011A 9X | 83 | | 31768 | 147535 | 140646 |
| AP082827.D | C1808061-011A 180X | 76 | | 30633 | 130676 | 107490 |
| AP082828.D | C1808061-012A 9X | 81 | | 31721 | 145601 | 137449 |
| AP082829.D | C1808061-012A 180X | 71 | | 30709 | 135278 | 112892 |
| AP082830.D | C1808061-013A 9X | 77 | | 33988 | 165249 | 151171 |
| AP082831.D | C1808061-013A 180X | 71 | | 32808 | 146783 | 121112 |
| AP082832.D | ALCS1UGD-082818 | 109 | | 32133 | 139710 | 109225 |
| AP082837.D | C1808061-007A 180X | 73 | | 32429 | 134182 | 97385 |
| AP082838.D | C1808061-013A 360X | 72 | | 29927 | 132107 | 99178 |

t - fails 24hr time check * - fails criteria

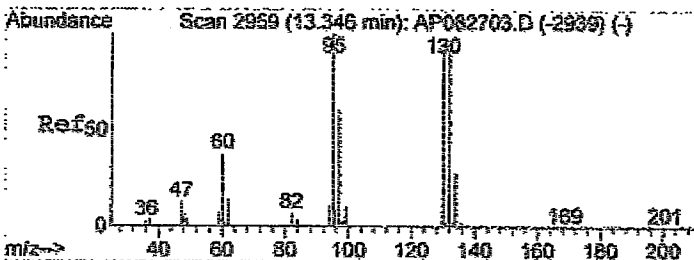
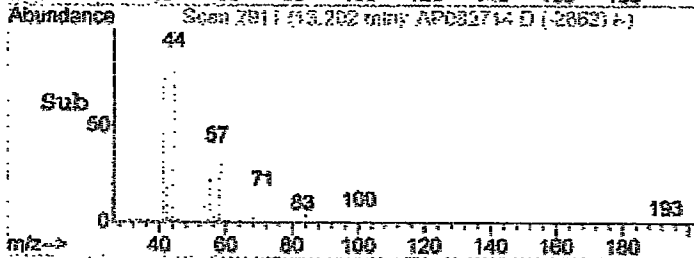
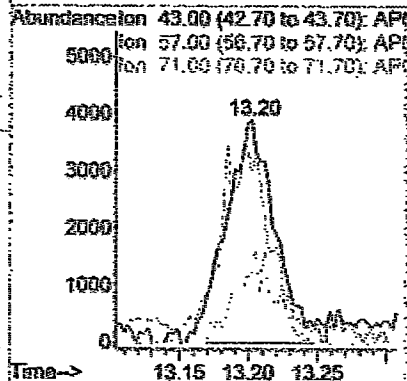
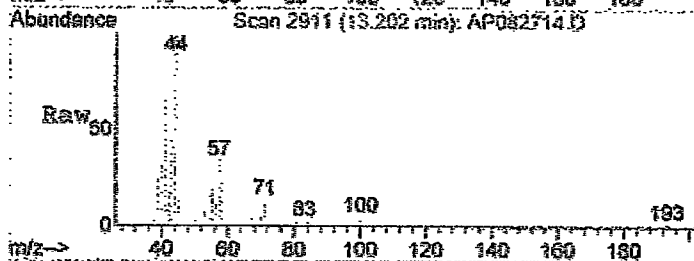
Created: Mon Sep 10 11:34:11 2018 MSD #1/



#43
Heptane
Concen: 0.14 ppb
RT: 13.20 min Scan# 2911
Delta R.T. -0.00 min
Lab File: AP082714.D
Acq: 27 Aug 2018 6:18 pm

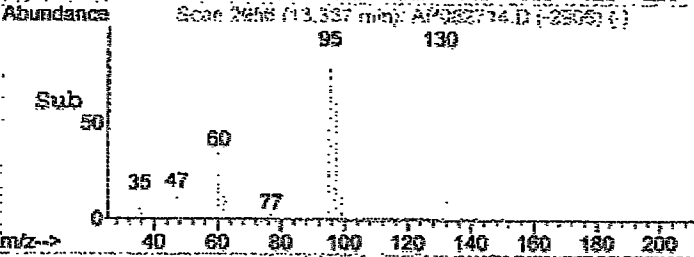
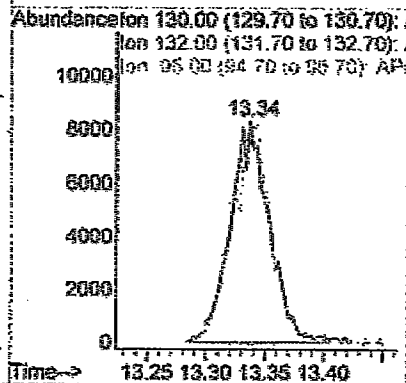
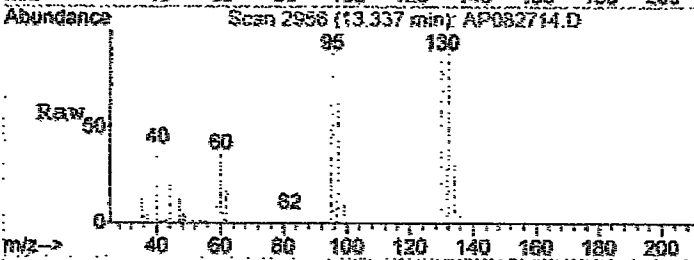
Tgt Ion: 43 Resp: 9707
Ion Ratio Lower Upper
43 100
57 91.6 31.3 71.3#
71 31.8 34.4 74.4#

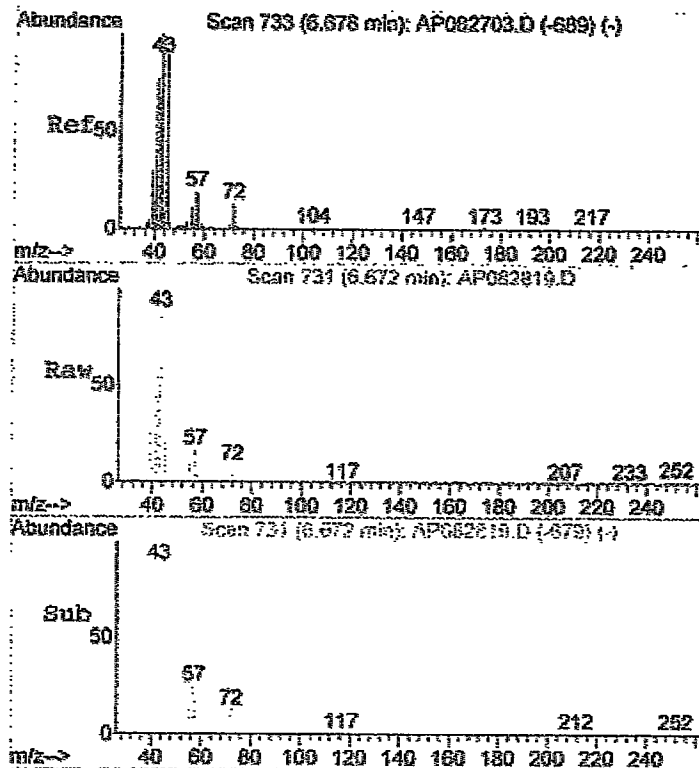
> > 30%



#44
Trichloroethene
Concen: 0.24 ppb
RT: 13.34 min Scan# 2956
Delta R.T. 0.00 min
Lab File: AP082714.D
Acq: 27 Aug 2018 6:18 pm

Tgt Ion: 130 Resp: 19230
Ion Ratio Lower Upper
130 100
132 95.1 75.3 116.3
95 104.5 82.1 122.1

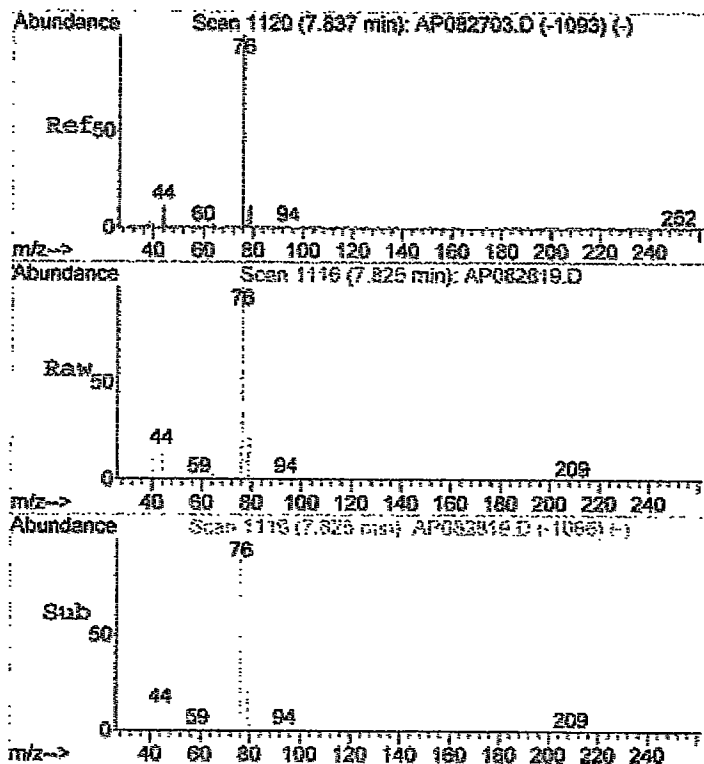
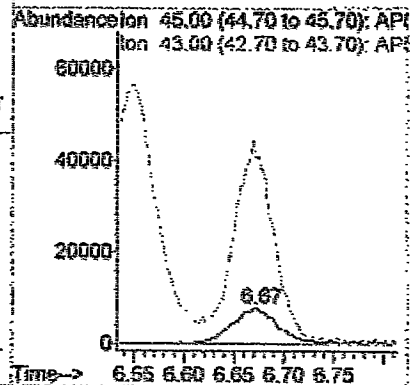




#17
Isopropyl alcohol
Concen: 0.75 ppb
RT: 6.67 min Scan# 731
Delta R.T. 0.01 min
Lab File: AP082819.D
Acq: 28 Aug 2018 8:11 pm

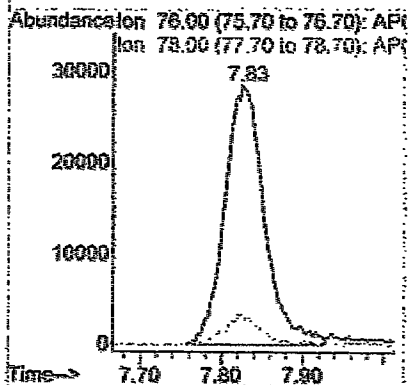
Tgt Ion: 45 Resp: 24510
Ion Ratio Lower Upper
45 100
43 488.7 102.2 142.2#

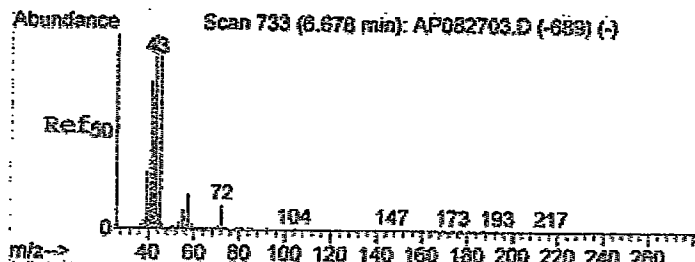
> 30%



#23
Carbon disulfide
Concen: 0.98 ppb
RT: 7.83 min Scan# 1116
Delta R.T. -0.00 min
Lab File: AP082819.D
Acq: 28 Aug 2018 8:11 pm

Tgt Ion: 76 Resp: 96827
Ion Ratio Lower Upper
76 100
78 9.6 0.0 31.5

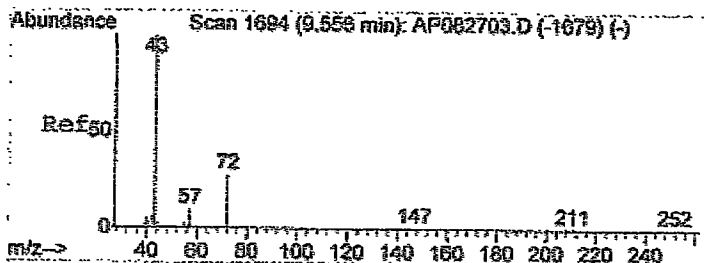
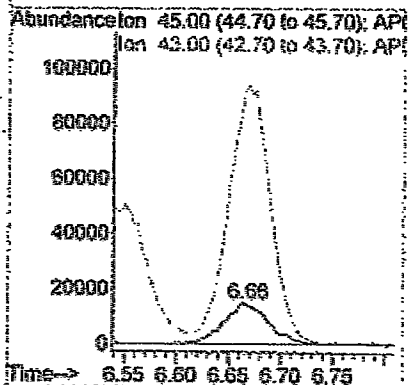
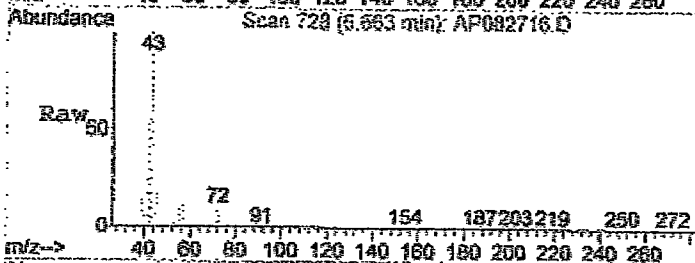




#17
Isopropyl alcohol
Concen: 1.08 ppb
RT: 6.66 min Scan# 728
Delta R.T. -0.00 min
Lab File: AP082716.D
Acq: 27 Aug 2018 7:38 pm

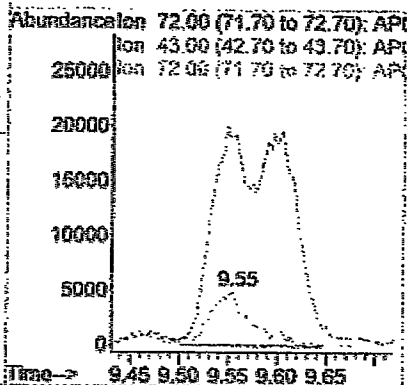
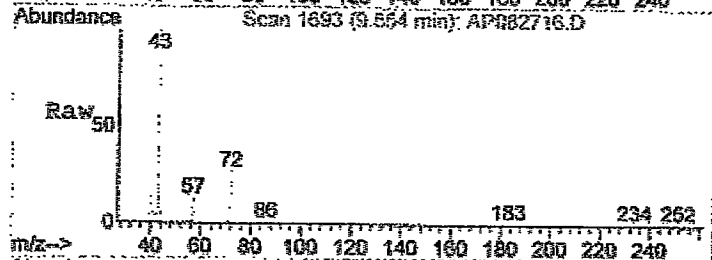
Tgt Ion: 45 Resp: 44001
Ion Ratio Lower Upper
45 100
43 586.8 102.2 142.2#

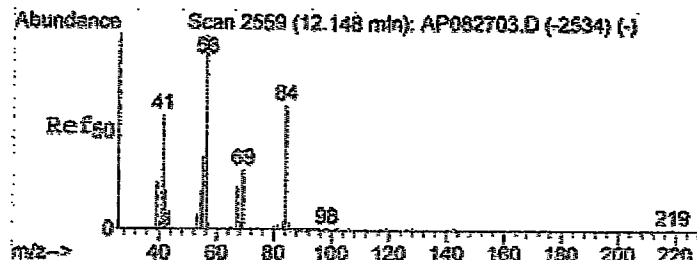
> 300.



#28
Methyl Ethyl Ketone
Concen: 0.56 ppb
RT: 9.55 min Scan# 1693
Delta R.T. 0.01 min
Lab File: AP082716.D
Acq: 27 Aug 2018 7:38 pm

Tgt Ion: 72 Resp: 14957
Ion Ratio Lower Upper
72 100
43 0.0 0.0 20.0
72 100.0 80.0 120.0

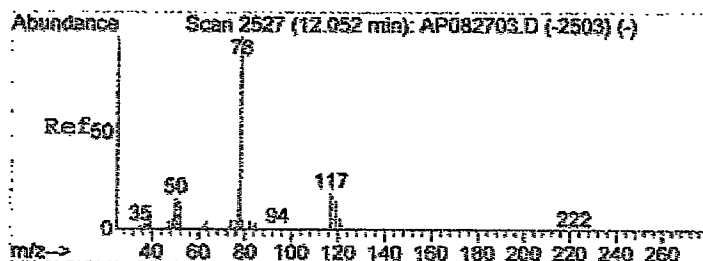
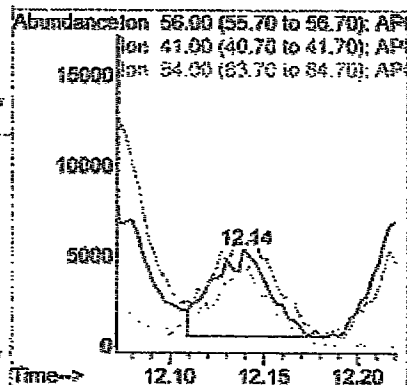
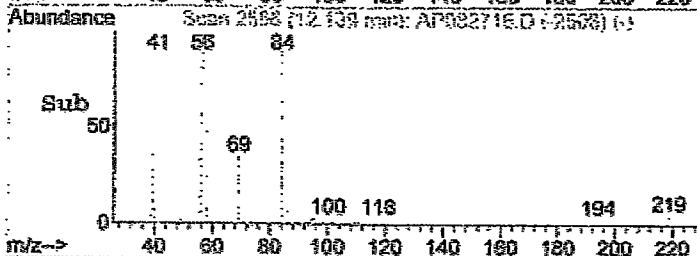
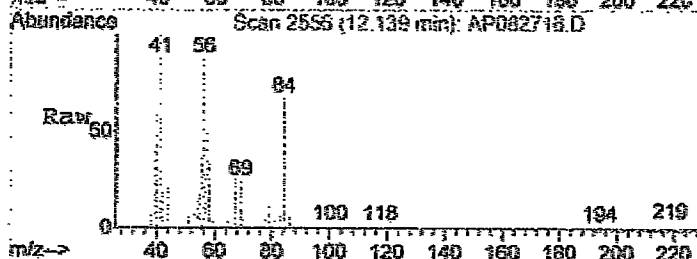




#37
Cyclohexane
Concen: 0.13 ppb
RT: 12.14 min Scan# 2556
Delta R.T. 0.00 min
Lab File: AP082716.D
Acq: 27 Aug 2018 7:38 pm

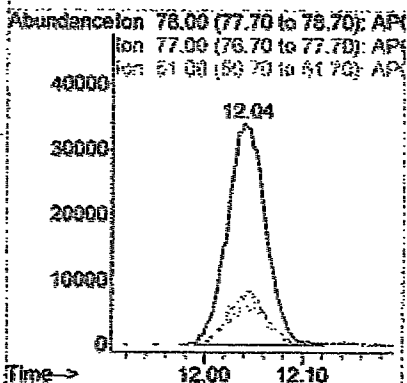
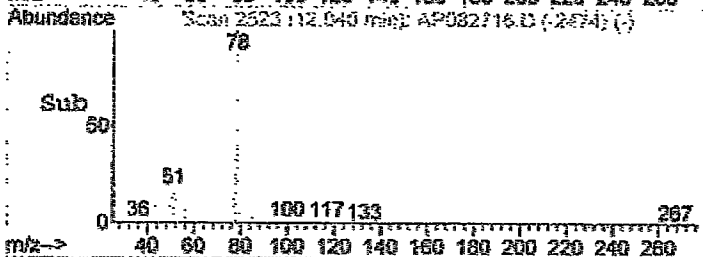
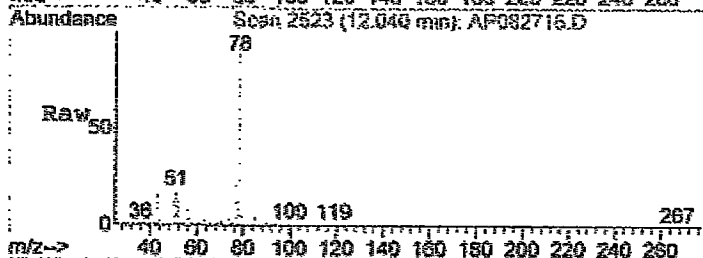
Tgt Ion: 56 Resp: 10083
Ion Ratio Lower Upper
56 100
41 129.6 37.5 77.5#
84 104.9 59.5 99.5#

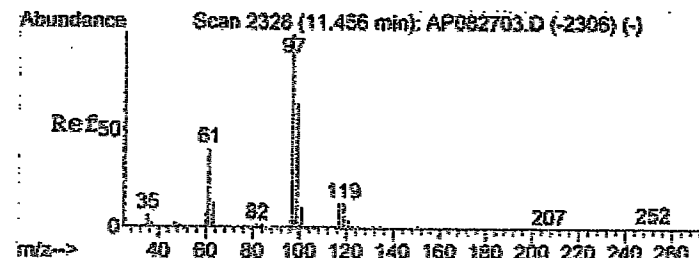
> 30%



#39
Benzene
Concen: 0.52 ppb
RT: 12.04 min Scan# 2523
Delta R.T. -0.00 min
Lab File: AP082716.D
Acq: 27 Aug 2018 7:38 pm

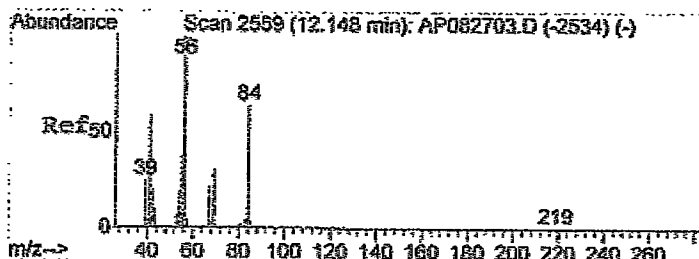
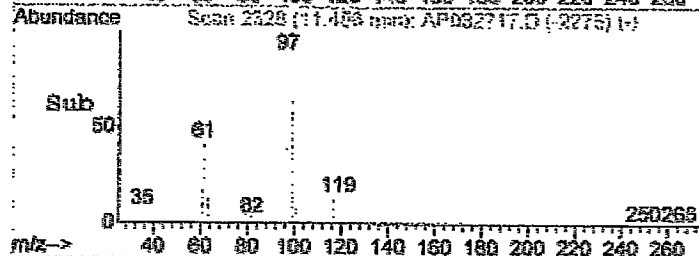
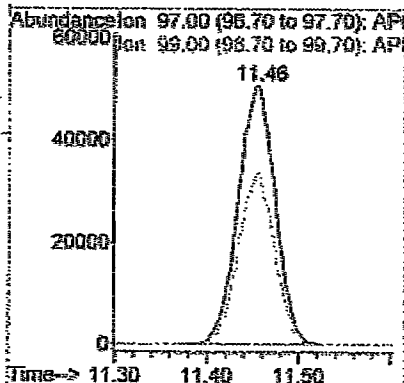
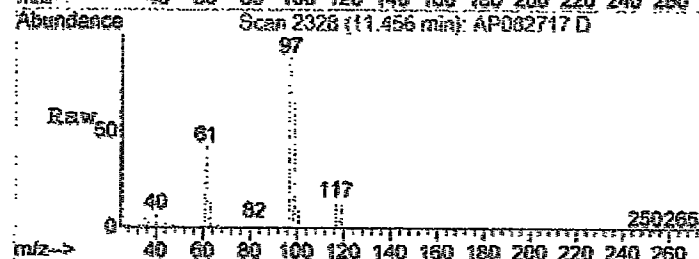
Tgt Ion: 78 Resp: 93655
Ion Ratio Lower Upper
78 100
77 24.5 3.0 43.0
51 18.6 0.0 37.7





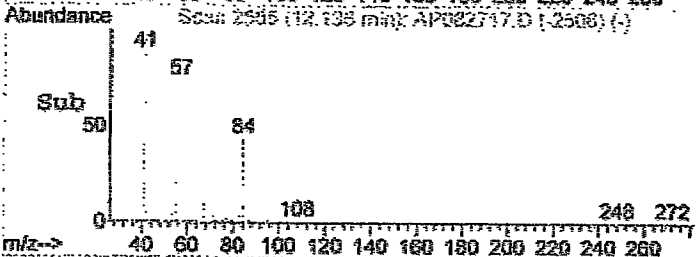
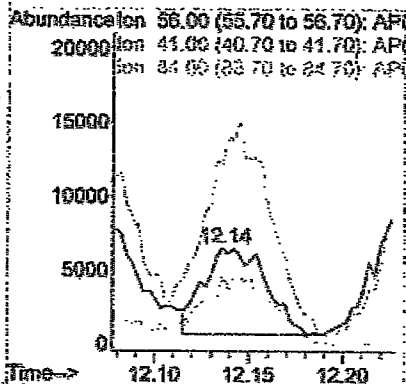
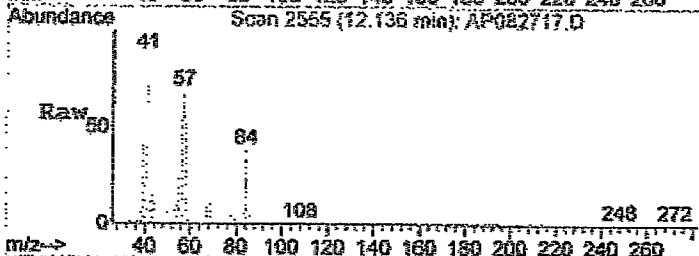
#36
1,1,1-trichloroethane
Concen: 0.90 ppb
RT: 11.46 min Scan# 2328
Delta R.T. 0.01 min
Lab File: AP082717.D
Acq: 27 Aug 2018 8:18 pm

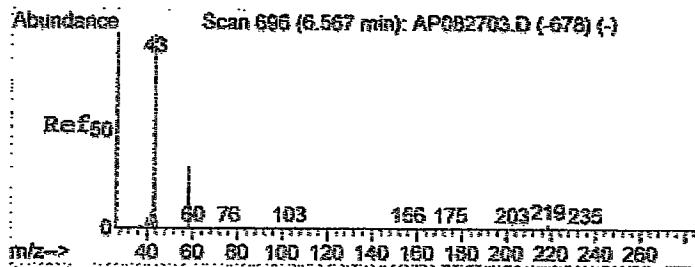
Tgt Ion: 97 Resp: 142004
Ion Ratio Lower Upper
97 100
99 65.4 44.3 84.3



#37
Cyclohexane
Concen: 0.18 ppb
RT: 12.14 min Scan# 2555
Delta R.T. -0.00 min
Lab File: AP082717.D
Acq: 27 Aug 2018 8:18 pm

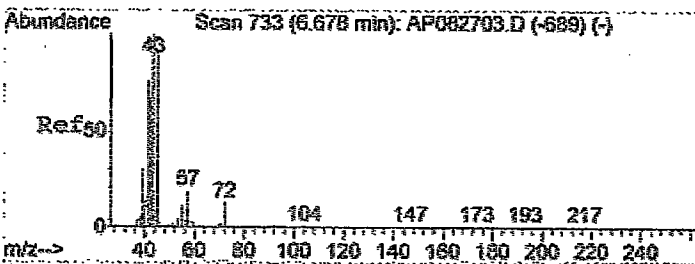
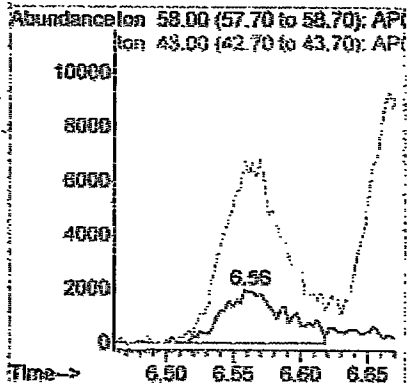
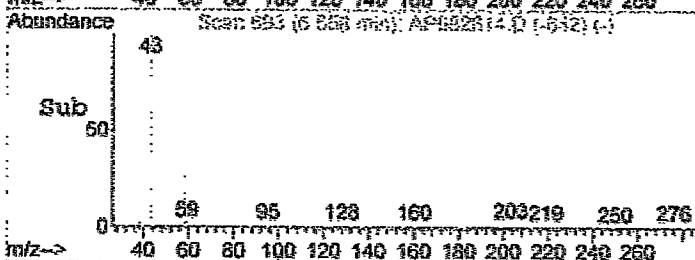
Tgt Ion: 56 Resp: 13458
Ion Ratio Lower Upper
56 100
41 250.9 37.5 77.5#
84 88.3 59.5 99.5





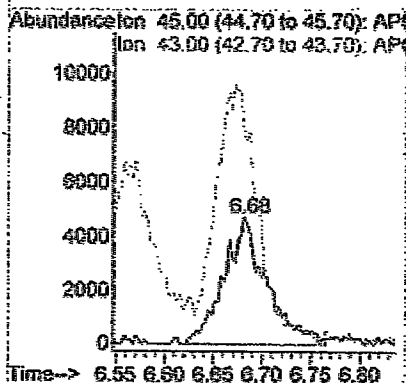
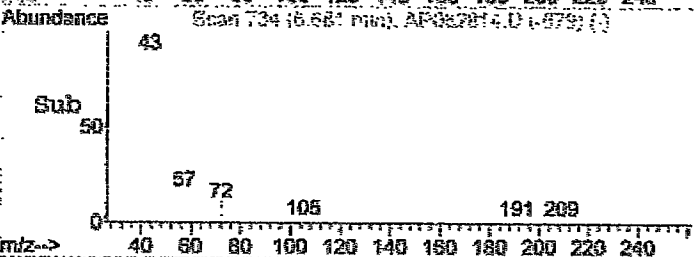
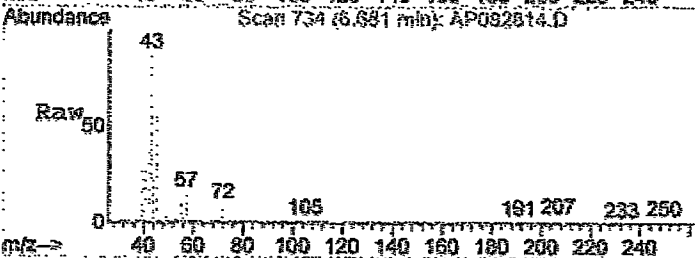
#15
Acetone
Concen: 0.59 ppb
RT: 6.56 min Scan# 693
Delta R.T. 0.00 min
Lab File: AP082814.D
Acq: 28 Aug 2018 5:03 pm

Tgt Ion: 58 Resp: 6381
Ion Ratio Lower Upper
58 100
43 362.3 305.4 365.4

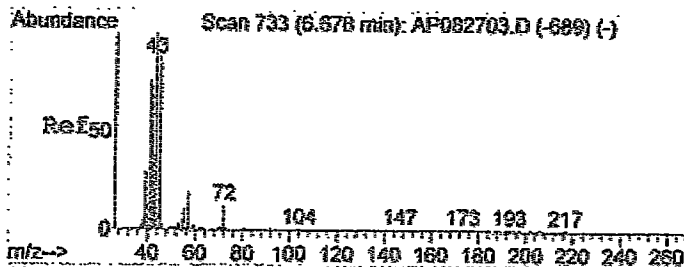


#17
Isopropyl alcohol
Concen: 0.46 ppb m
RT: 6.68 min Scan# 734
Delta R.T. 0.01 min
Lab File: AP082814.D
Acq: 28 Aug 2018 5:03 pm

Tgt Ion: 45 Resp: 14201
Ion Ratio Lower Upper
45 100
43 199.1 102.2 142.2#

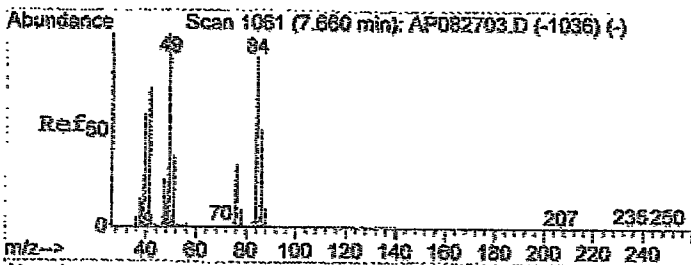
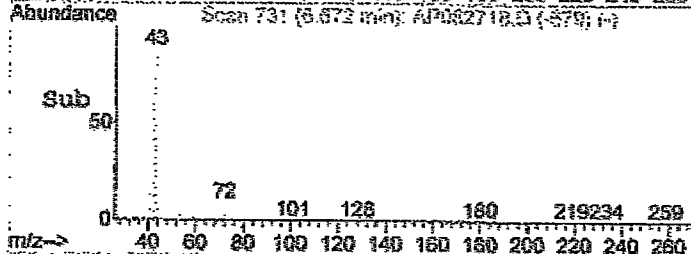
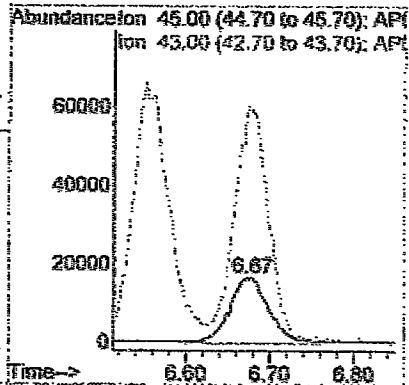
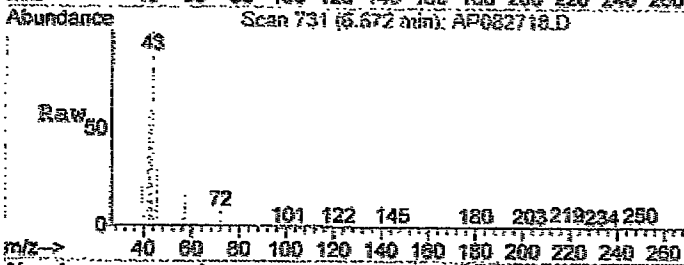


> 302.



#17
Isopropyl alcohol
Concen: 1.27 ppb
RT: 6.67 min Scan# 731
Delta R.T. 0.01 min
Lab File: AP082718.D
Acq: 27 Aug 2018 8:59 pm

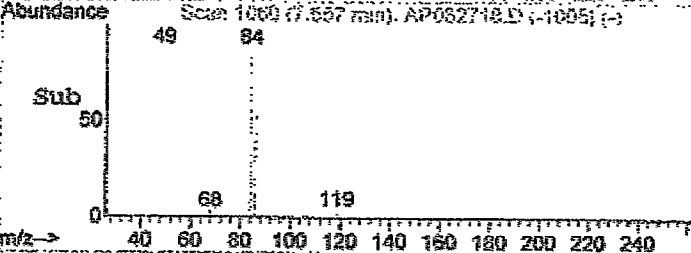
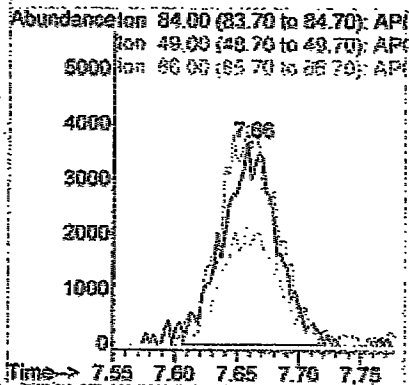
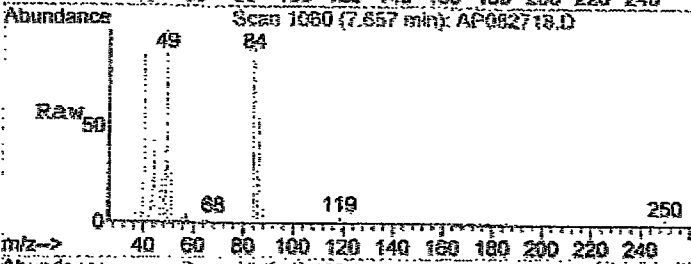
Tgt Ion: 45 Resp: 54501
Ion Ratio Lower Upper
45 100
43 300.9 102.2 142.2#

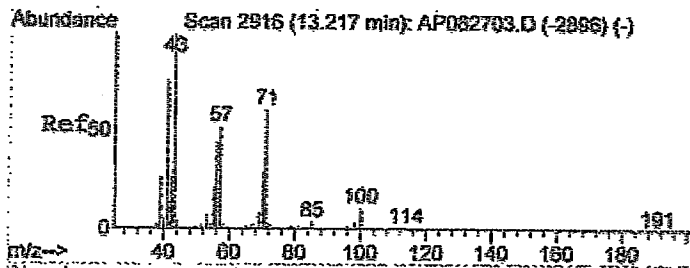


#21
Methylene chloride
Concen: 0.20 ppb
RT: 7.66 min Scan# 1060
Delta R.T. 0.02 min
Lab File: AP082718.D
Acq: 27 Aug 2018 8:59 pm

Tgt Ion: 84 Resp: 11027
Ion Ratio Lower Upper
84 100
49 116.6 120.2 160.2#
86 60.8 45.5 85.5

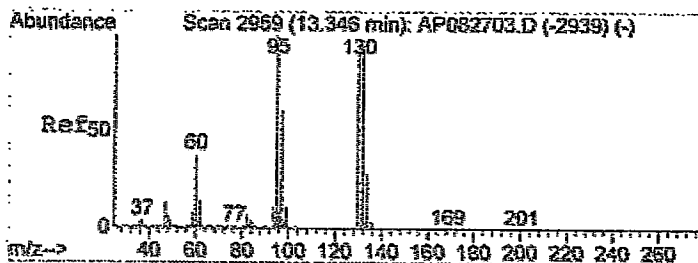
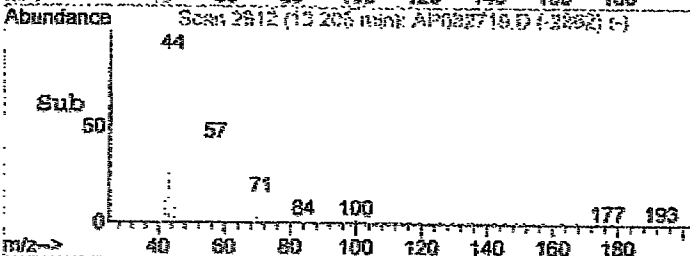
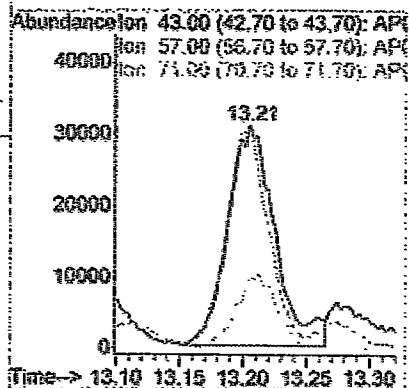
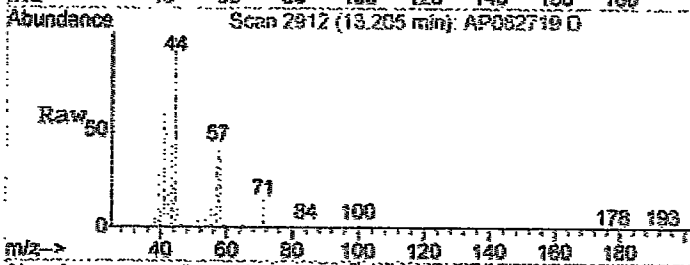
> 307.





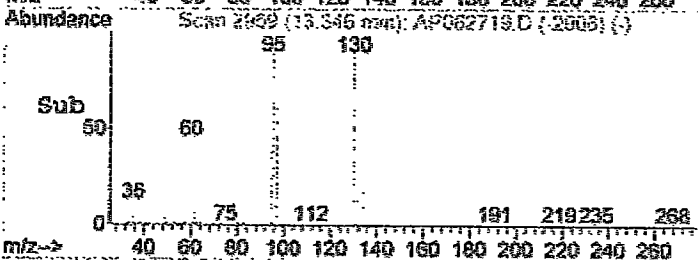
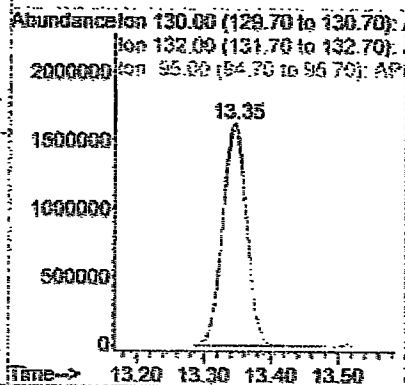
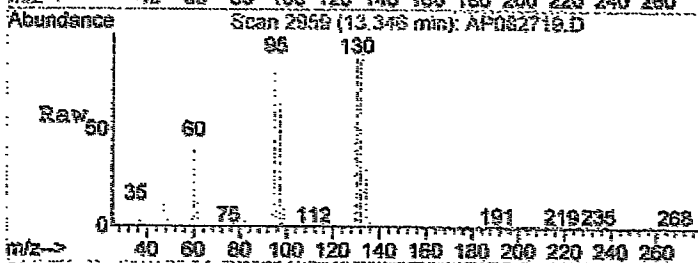
#43
Heptane
Concen: 0.89 ppb
RT: 13.21 min Scan# 2912
Delta R.T. -0.00 min
Lab File: AP082719.D
Acq: 27 Aug 2018 9:39 pm

Tgt Ion: 43 Resp: 79417
Ion Ratio Lower Upper
43 100
57 98.0 31.3 71.3#
71 29.3 34.4 74.4#

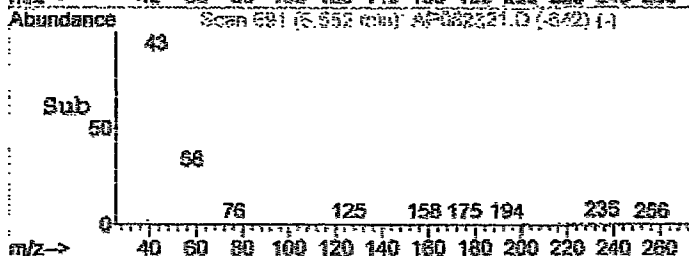
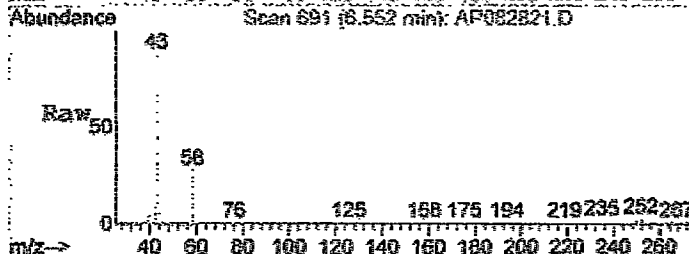
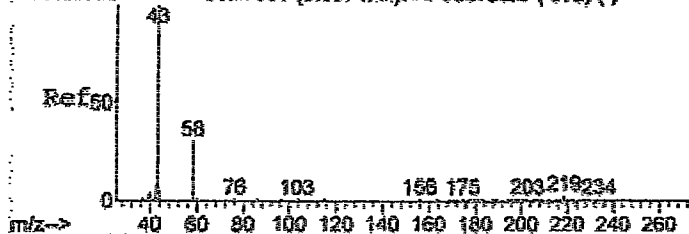


#44
Trichloroethene
Concen: 39.94 ppb
RT: 13.35 min Scan# 2959
Delta R.T. 0.01 min
Lab File: AP082719.D
Acq: 27 Aug 2018 9:39 pm

Tgt Ion: 130 Resp: 4084165
Ion Ratio Lower Upper
130 100
132 97.0 76.3 116.3
95 97.8 82.1 122.1



Abundance Scan 696 (6.567 min): AP082703.D (-678) (-)



#15

Acetone

Concen: 2.08 ppb

RT: 6.55 min Scan# 691

Delta R.T. -0.00 min

Lab File: AP082821.D

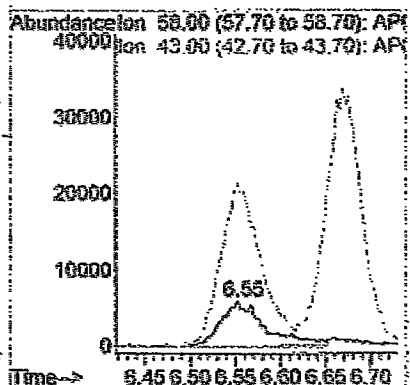
Acq: 28 Aug 2018 9:24 pm

Tgt Ion: 58 Resp: 19887

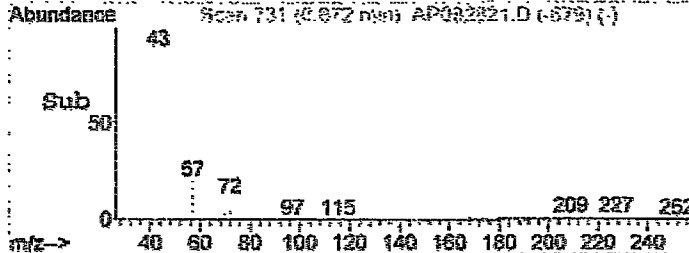
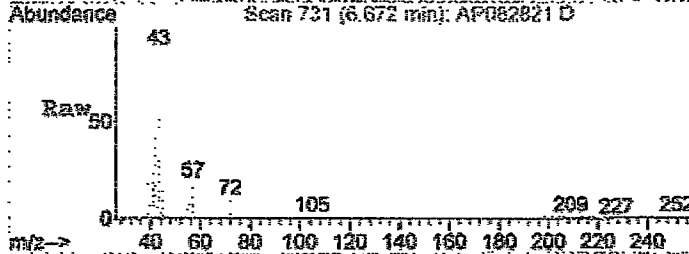
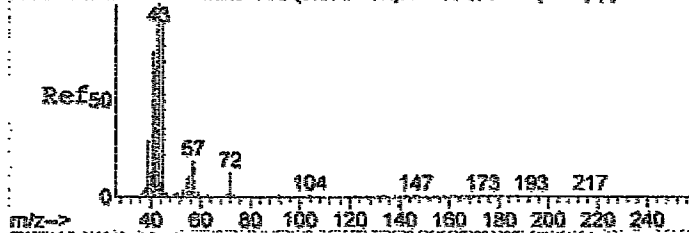
Ion Ratio Lower Upper

58 100

43 336.6 305.4 365.4



Abundance Scan 733 (6.678 min): AP082703.D (-689) (-)



#17

Isopropyl alcohol

Concen: 0.51 ppb

RT: 6.67 min Scan# 731

Delta R.T. 0.01 min

Lab File: AP082821.D

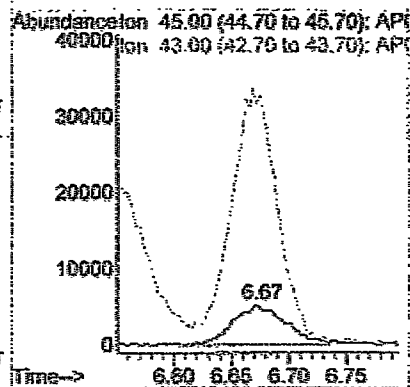
Acq: 28 Aug 2018 9:24 pm

Tgt Ion: 45 Resp: 16502

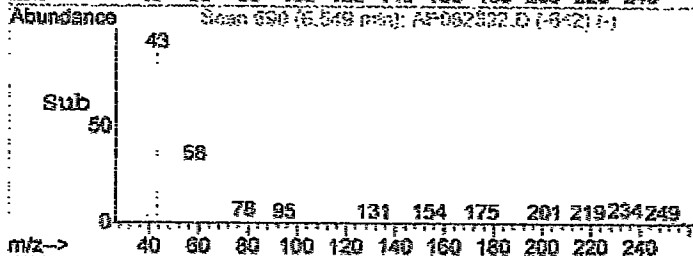
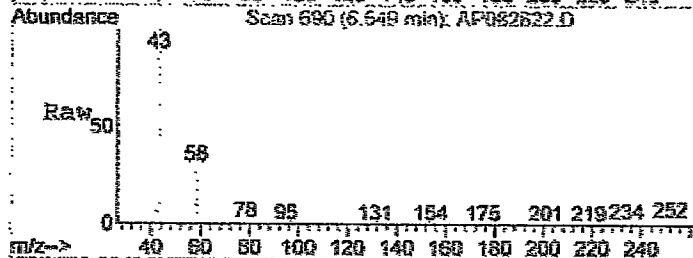
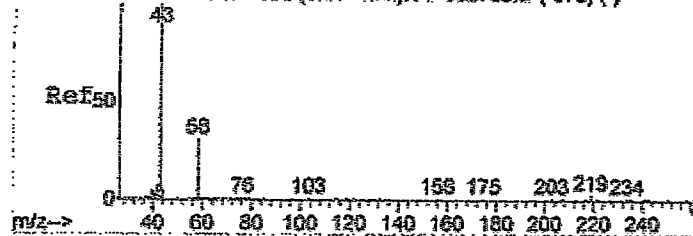
Ion Ratio Lower Upper

45 100

43 543.6 102.2 142.2#



Scan 696 (6.567 min): AP082703.D (-578) (-)



#15

Acetone

Concen: 4.02 ppb

RT: 6.55 min Scan# 690

Delta R.T. -0.01 min

Lab File: AP082822.D

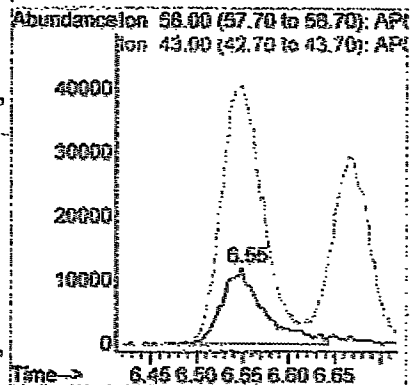
Acq: 28 Aug 2018 10:00 pm

Tgt Ion: 58 Resp: 38412

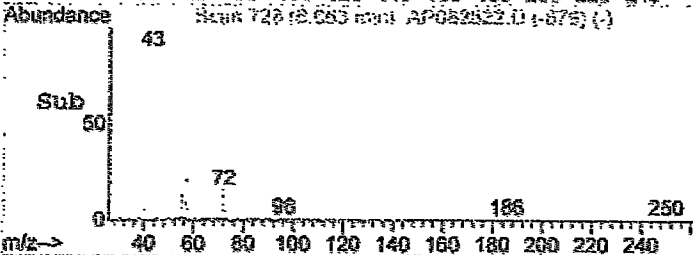
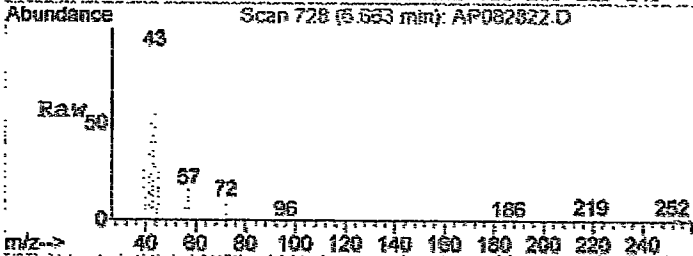
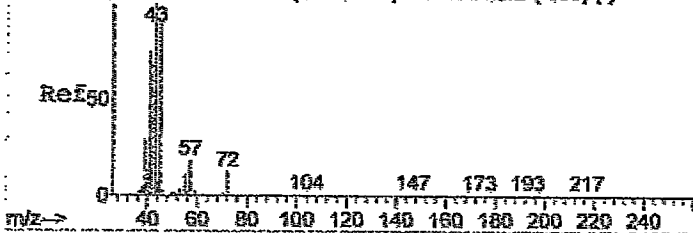
Ion Ratio Lower Upper

58 100

43 341.4 305.4 365.4



Scan 733 (6.678 min): AP082703.D (-688) (-)



#17

Isopropyl alcohol

Concen: 0.67 ppb

RT: 6.66 min Scan# 728

Delta R.T. -0.00 min

Lab File: AP082822.D

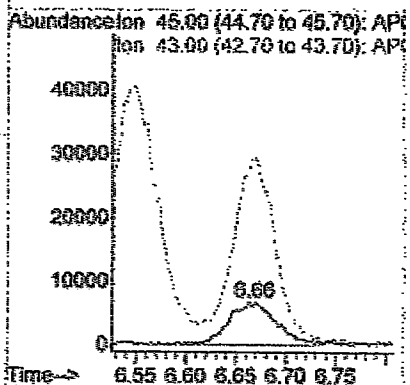
Acq: 28 Aug 2018 10:00 pm

Tgt Ion: 45 Resp: 21623

Ion Ratio Lower Upper

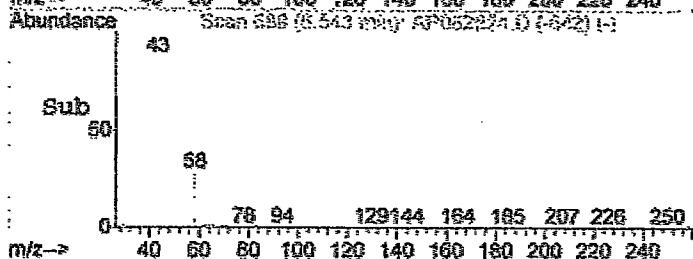
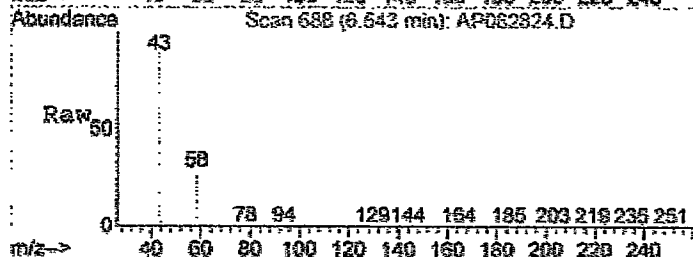
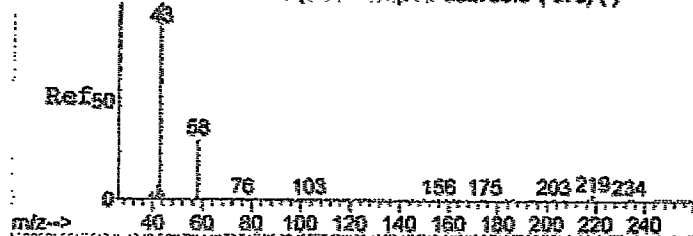
45 100

43 376.3 102.2 142.2#



> 307.

Abundance Scan 685 (6.567 min): AP082703.D (-678) (-)



#15

Acetone

Concen: 46.17 ppb

RT: 6.54 min Scan# 688

Delta R.T. -0.01 min

Lab File: AP082824.D

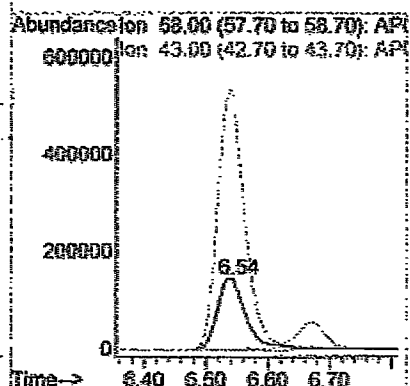
Acq: 28 Aug 2018 11:17 pm

Tgt Ion: 58 Resp: 468191

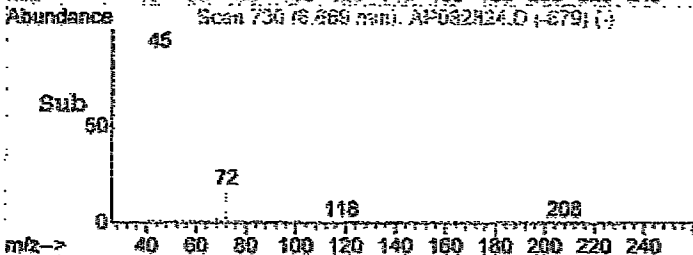
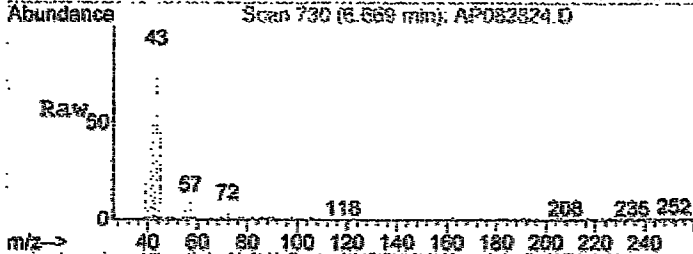
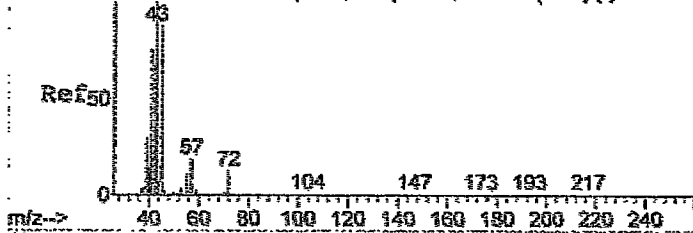
Ion Ratio Lower Upper

58 100

43 347.1 305.4 365.4



Abundance Scan 733 (6.678 min): AP082703.D (-689) (-)



#17

Isopropyl alcohol

Concen: 2.31 ppb m

RT: 6.67 min Scan# 730

Delta R.T. 0.00 min

Lab File: AP082824.D

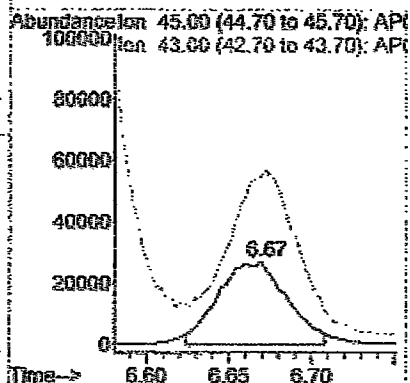
Acq: 28 Aug 2018 11:17 pm

Tgt Ion: 45 Resp: 78694

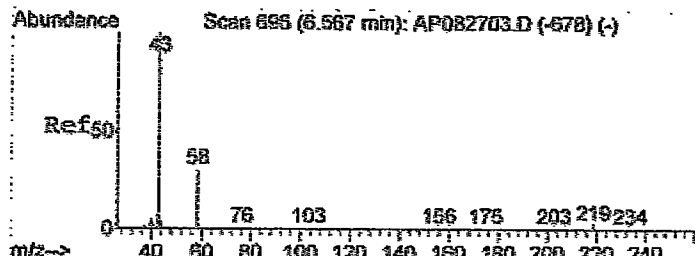
Ion Ratio Lower Upper

45 100

43 202.9 102.2 142.2#

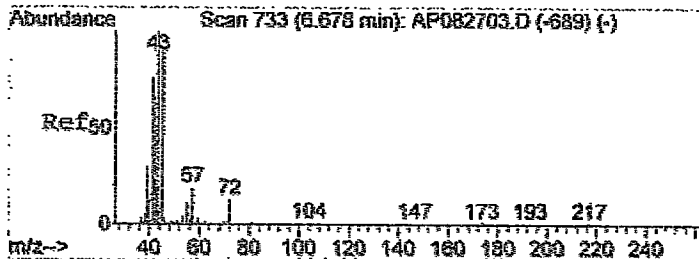
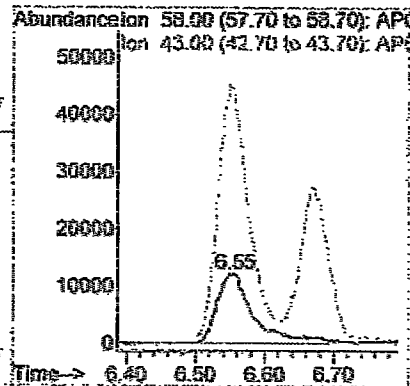


> 309.



#15
Acetone
Concen: 4.27 ppb
RT: 6.55 min Scan# 690
Delta R.T. -0.01 min
Lab File: AP082831.D
Acq: 29 Aug 2018 3:45 am

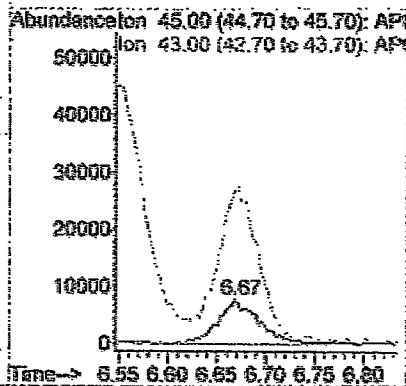
Tgt Ion: 58 Resp: 45181
Ion Ratio Lower Upper
58 100
43 314.2 305.4 365.4

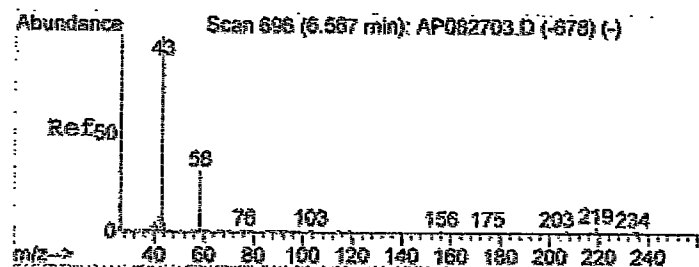


#17
Isopropyl alcohol
Concen: 0.62 ppb
RT: 6.67 min Scan# 730
Delta R.T. 0.00 min
Lab File: AP082831.D
Acq: 29 Aug 2018 3:45 am

Tgt Ion: 45 Resp: 22136
Ion Ratio Lower Upper
45 100
43 331.5 102.2 142.2#

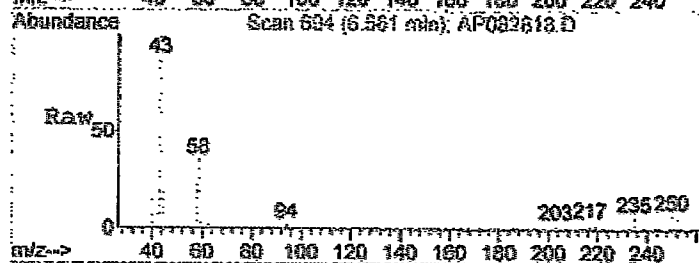
7307



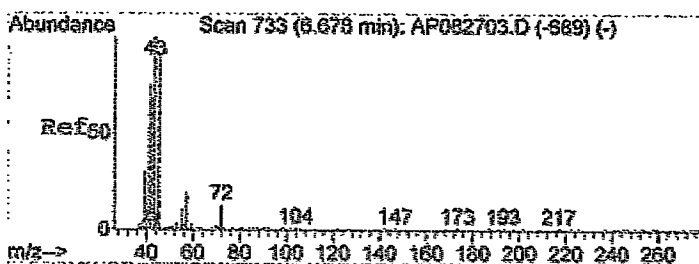
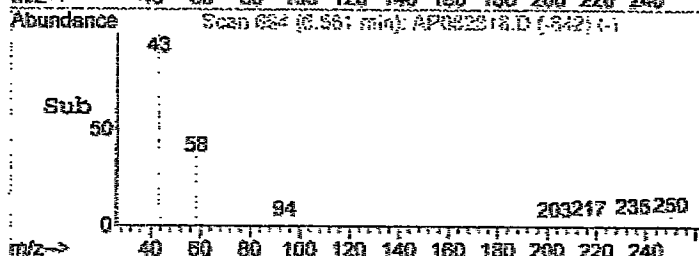
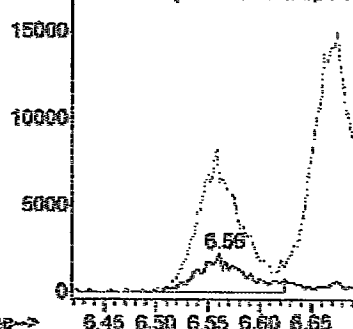


#15
Acetone
Concen: 0.70 ppb m
RT: 6.56 min Scan# 694
Delta R.T. 0.01 min
Lab File: AP082818.D
Acq: 28 Aug 2018 7:34 pm

Tgt Ion: 58 Resp: 6642
Ion Ratio Lower Upper
58 100
43 348.6 305.4 365.4



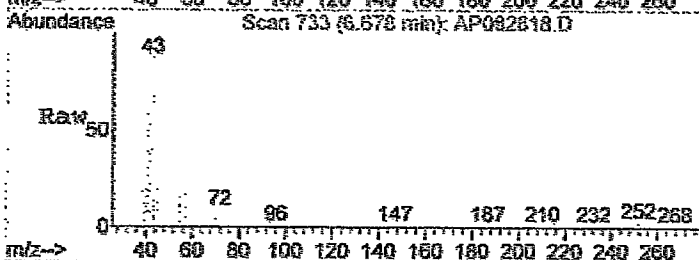
Abundance Ion 58.00 (57.70 to 58.70): AP082818.D
Ion 43.00 (42.70 to 43.70): AP082818.D



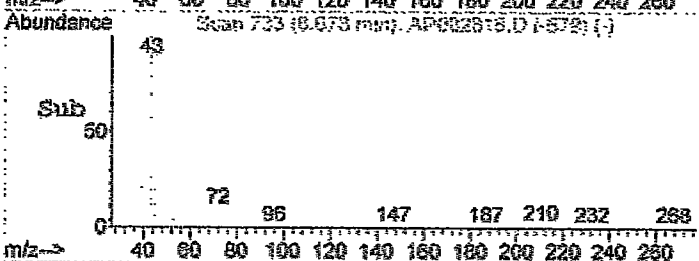
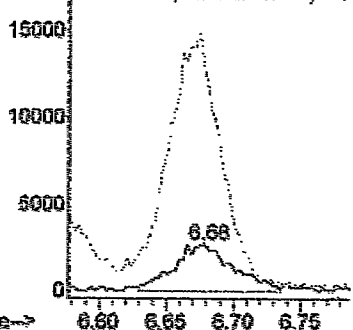
#17
Isopropyl alcohol
Concen: 0.25 ppb
RT: 6.68 min Scan# 733
Delta R.T. 0.01 min
Lab File: AP082818.D
Acq: 28 Aug 2018 7:34 pm

Tgt Ion: 45 Resp: 8054
Ion Ratio Lower Upper
45 100
43 498.6 102.2 142.2#

7307



Abundance Ion 45.00 (44.70 to 45.70): AP082818.D
Ion 43.00 (42.70 to 43.70): AP082818.D





CENTEK LABORATORIES, LLC

Date: 10-Sep-18

ANALYTICAL QC SUMMARY REPORT

CLIENT: BE3/Panamerican
Work Order: C1808061
Project: 31 Tonawanda St

TestCode: 0.20_NYS

| | | | | | | | | | | | |
|----------------------------|-------------------|---------------------|------------|--------------------------|---------------|----------|-----------|-------------|------|-----------|------|
| Sample ID: ALCSTUGD-062716 | Sample Type: LCSD | Test Code: 0.20_NYS | Unit: ppbv | Prep Date: | RunNo: 14064 | | | | | | |
| Client ID: ZZZZZ | Batch ID: R14064 | TestNo: TD-15 | | Analysis Date: 8/28/2018 | SeqNo: 102566 | | | | | | |
| Analyte | Result | POL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPD Limit | Qual |

| | | | | | | | | | | | |
|---------------------------|--------|-------|---|---|------|----|-----|------|------|----|----|
| 1,1,1-Trichloroethane | 0.6500 | 0.15 | 1 | 0 | 65.0 | 70 | 130 | 0.89 | 29.7 | 30 | S |
| 1,1,2,2-Tetrachloroethane | 0.5600 | 0.15 | 1 | 0 | 56.0 | 70 | 130 | 0.88 | 44.4 | 30 | SR |
| 1,1,2-Trichloroethane | 0.6900 | 0.15 | 1 | 0 | 69.0 | 70 | 130 | 0.9 | 26.4 | 30 | S |
| 1,1-Dichloroethane | 0.8100 | 0.15 | 1 | 0 | 81.0 | 70 | 130 | 0.86 | 6.99 | 30 | |
| 1,1-Dichloroethene | 0.7500 | 0.040 | 1 | 0 | 75.0 | 70 | 130 | 0.91 | 19.3 | 30 | |
| 1,2,4-Trichlorobenzene | 0.6100 | 0.15 | 1 | 0 | 61.0 | 70 | 130 | 0.77 | 40.6 | 30 | SR |
| 1,2,4-Trimethylbenzene | 0.7800 | 0.15 | 1 | 0 | 78.0 | 70 | 130 | 0.94 | 21.2 | 30 | |
| 1,2-Dibromochloroethane | 0.6900 | 0.15 | 1 | 0 | 69.0 | 70 | 130 | 0.94 | 30.7 | 30 | SR |
| 1,2-Dichlorobenzene | 0.6400 | 0.15 | 1 | 0 | 64.0 | 70 | 130 | 0.93 | 36.9 | 30 | SR |
| 1,2-Dichloropropane | 0.7400 | 0.15 | 1 | 0 | 74.0 | 70 | 130 | 0.86 | 25.9 | 30 | |
| 1,3,5-Trimethylbenzene | 0.6200 | 0.15 | 1 | 0 | 62.0 | 70 | 130 | 0.88 | 34.7 | 30 | SR |
| 1,3-Butadiene | 0.7100 | 0.15 | 1 | 0 | 71.0 | 70 | 130 | 0.98 | 32.0 | 30 | R |
| 1,3-Dichlorobenzene | 0.6700 | 0.15 | 1 | 0 | 67.0 | 70 | 130 | 0.91 | 44.8 | 30 | R |
| 1,4-Dichlorobenzene | 0.6500 | 0.15 | 1 | 0 | 65.0 | 70 | 130 | 0.91 | 30.9 | 30 | SR |
| 1,4-Dioxane | 0.5400 | 0.30 | 1 | 0 | 54.0 | 70 | 130 | 0.78 | 33.3 | 30 | SR |
| 2,2,4-trimethylpentane | 0.6900 | 0.15 | 1 | 0 | 69.0 | 70 | 130 | 0.91 | 36.4 | 30 | SR |
| 4-ethylchlorane | 0.7600 | 0.15 | 1 | 0 | 76.0 | 70 | 130 | 0.89 | 27.5 | 30 | S |
| Acetone | 0.7300 | 0.30 | 1 | 0 | 73.0 | 70 | 130 | 1.08 | 25.3 | 30 | |
| Allyl chloride | 0.7100 | 0.15 | 1 | 0 | 71.0 | 70 | 130 | 0.87 | 36.7 | 30 | R |
| Benzene | 0.7100 | 0.15 | 1 | 0 | 71.0 | 70 | 130 | 0.91 | 31.0 | 30 | R |
| Benzyl chloride | 0.5600 | 0.15 | 1 | 0 | 56.0 | 70 | 130 | 0.96 | 24.7 | 30 | |
| Bromodichloromethane | 0.6300 | 0.15 | 1 | 0 | 63.0 | 70 | 130 | 0.89 | 52.6 | 30 | SR |
| Bromoform | 0.6800 | 0.15 | 1 | 0 | 68.0 | 70 | 130 | 0.87 | 34.2 | 30 | SR |
| Bromomethane | 0.7800 | 0.15 | 1 | 0 | 78.0 | 70 | 130 | 1.02 | 40.6 | 30 | SR |

Qualifiers: Results reported are not blank corrected
J Analyte detected below quantitation limit
S Spike Recovery outside accepted recovery limits
E Estimated Value above quantitation range
ND Not Detected at the Limit of Detection
H Holding times for preparation or analysis exceeded
R RPD outside accepted recovery limits

CLIENT: BIE3/Panamerican
 Work Order: C1808061
 Project: 31 Tonawanda St

TestCode: 0.20_NYS

Sample ID: ALCSYUGD-002718 Sample Type: LCSD
 Client ID: ZZZZZZ Batch ID: R14066

TestCode: 0.20_NYS
 TestNo: 70-15

Prep Date: 0/28/2016
 Analysis Date: 0/28/2016

RunNo: 14066
 SeqNo: 162566

| Analyte | Result | POL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
|--------------------------|--------|-------|-----------|-------------|------|----------|-----------|-------------|------|----------|------|
| Carbon disulfide | 0.7300 | 0.15 | 1 | 0 | 73.0 | 70 | 130 | 0.99 | 24.1 | 30 | |
| Carbon tetrachloride | 0.6700 | 0.030 | 1 | 0 | 57.0 | 70 | 130 | 0.81 | 54.8 | 30 | SR |
| Chlorobenzene | 0.7200 | 0.15 | 1 | 0 | 72.0 | 70 | 130 | 0.92 | 24.4 | 30 | |
| Chloroethane | 0.7200 | 0.15 | 1 | 0 | 72.0 | 70 | 130 | 1.05 | 37.3 | 30 | R |
| Chloroform | 0.7600 | 0.15 | 1 | 0 | 76.0 | 70 | 130 | 0.84 | 21.2 | 30 | |
| Chloromethane | 0.7300 | 0.15 | 1 | 0 | 73.0 | 70 | 130 | 1 | 31.2 | 30 | R |
| cis-1,2-Dichloroethane | 0.7600 | 0.040 | 1 | 0 | 76.0 | 70 | 130 | 0.92 | 20.4 | 30 | |
| cis-1,3-Dichloropropene | 0.7200 | 0.15 | 1 | 0 | 72.0 | 70 | 130 | 0.94 | 26.5 | 30 | |
| Cyclohexene | 0.7100 | 0.15 | 1 | 0 | 71.0 | 70 | 130 | 0.92 | 25.8 | 30 | |
| Dibromochloromethane | 0.6200 | 0.15 | 1 | 0 | 62.0 | 70 | 130 | 0.93 | 40.0 | 30 | SR |
| Ethyl acetate | 0.7400 | 0.15 | 1 | 0 | 74.0 | 70 | 130 | 0.86 | 25.9 | 30 | |
| Ethylbenzene | 0.6200 | 0.15 | 1 | 0 | 62.0 | 70 | 130 | 0.88 | 17.8 | 30 | |
| Freon 11 | 0.6700 | 0.15 | 1 | 0 | 67.0 | 70 | 130 | 1.02 | 41.4 | 30 | SR |
| Freon 113 | 0.7600 | 0.15 | 1 | 0 | 76.0 | 70 | 130 | 0.94 | 21.2 | 30 | |
| Freon 114 | 0.7200 | 0.15 | 1 | 0 | 72.0 | 70 | 130 | 0.86 | 28.6 | 30 | |
| Freon 12 | 0.7600 | 0.15 | 1 | 0 | 76.0 | 70 | 130 | 0.96 | 23.3 | 30 | |
| Heptane | 0.7900 | 0.15 | 1 | 0 | 79.0 | 70 | 130 | 0.92 | 16.2 | 30 | |
| Hexachloro-1,3-butadiene | 0.5500 | 0.15 | 1 | 0 | 55.0 | 70 | 130 | 0.88 | 47.2 | 30 | SR |
| Hexane | 0.8400 | 0.15 | 1 | 0 | 84.0 | 70 | 130 | 1.02 | 19.4 | 30 | |
| Isopropyl alcohol | 0.7700 | 0.15 | 1 | 0 | 77.0 | 70 | 130 | 1.16 | 40.4 | 30 | R |
| m,p-Xylene | 1.520 | 0.30 | 2 | 0 | 76.0 | 70 | 130 | 2.05 | 29.7 | 30 | |
| Methyl Butyl Ketone | 0.4000 | 0.30 | 1 | 0 | 40.0 | 70 | 130 | 1.07 | 31.2 | 30 | SR |
| Methyl Ethyl Ketone | 0.7400 | 0.30 | 1 | 0 | 74.0 | 70 | 130 | 0.93 | 22.8 | 30 | |
| Methyl Isobutyl Ketone | 0.3600 | 0.30 | 1 | 0 | 36.0 | 70 | 130 | 0.83 | 75.0 | 30 | SR |
| Methyl tert-butyl ether | 0.6900 | 0.15 | 1 | 0 | 69.0 | 70 | 130 | 1.02 | 13.5 | 30 | |
| Methylene chloride | 0.7600 | 0.15 | 1 | 0 | 76.0 | 70 | 130 | 0.94 | 21.2 | 30 | |
| m-Xylene | 0.6700 | 0.15 | 1 | 0 | 67.0 | 70 | 130 | 0.98 | 37.6 | 30 | SR |
| Propylene | 0.7600 | 0.15 | 1 | 0 | 76.0 | 70 | 130 | 0.86 | 23.3 | 30 | |
| Styrene | 0.7200 | 0.15 | 1 | 0 | 72.0 | 70 | 130 | 0.98 | 30.6 | 30 | R |
| Tetrachloroethylene | 0.7500 | 0.15 | 1 | 0 | 75.0 | 70 | 130 | 0.86 | 24.6 | 30 | |
| Tetrahydrofuran | 0.7500 | 0.15 | 1 | 0 | 75.0 | 70 | 130 | 0.97 | 25.6 | 30 | |

Qualifiers:

Results reported are not blank corrected.

1 Analyte detected below quantitation limit

E Estimated Value above quantitation range
 N/D Not Detected at the Limit of Detection

R Holding time for preparation or analysis exceeded
 R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits

CLIENT: BE3/Panamerican
Work Order: C1808061
Project: 31 Tonawanda St

TestCode: 0.20_NYS

| | | | | | |
|----------------------------|-------------------|--------------------|-------------|--------------------------|---------------|
| Sample ID: ALC51UGD-082718 | Sample Type: LCSD | TestCode: 0.20_NYS | Units: ppbv | Prep Date: | RunNo: 14064 |
| Client ID: ZZZZZ | Batch ID: R14064 | TestNo: TO-15 | | Analysis Date: 8/28/2018 | SeqNo: 162566 |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
|---------------------------|--------|-------|-----------|-------------|------|----------|-----------|-------------|------|----------|------|
| Toluene | 0.7500 | 0.15 | 1 | 0 | 75.0 | 70 | 130 | 0.88 | 26.6 | 30 | |
| trans-1,2-Dichloroethane | 0.7600 | 0.15 | 1 | 0 | 76.0 | 70 | 130 | 0.93 | 20.1 | 30 | |
| trans-1,3-Dichloropropene | 0.8300 | 0.15 | 1 | 0 | 83.0 | 70 | 130 | 0.85 | 13.5 | 30 | |
| Trichloroethene | 0.6800 | 0.030 | 1 | 0 | 68.0 | 70 | 130 | 0.82 | 18.7 | 30 | S |
| Vinyl acetate | 0.7900 | 0.15 | 1 | 0 | 79.0 | 70 | 130 | 1.01 | 24.4 | 30 | |
| Vinyl Bromide | 0.7000 | 0.15 | 1 | 0 | 70.0 | 70 | 130 | 1.02 | 37.2 | 30 | |
| Vinyl chloride | 0.7100 | 0.040 | 1 | 0 | 71.0 | 70 | 130 | 0.86 | 28.9 | 30 | R |

| | | | | | |
|----------------------------|-------------------|--------------------|-------------|--------------------------|---------------|
| Sample ID: ALC51UGD-082816 | Sample Type: LCSD | TestCode: 0.20_NYS | Units: ppbv | Prep Date: | RunNo: 14065 |
| Client ID: ZZZZZ | Batch ID: R14065 | TestNo: TO-16 | | Analysis Date: 8/29/2018 | SeqNo: 162563 |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
|---------------------------|--------|-------|-----------|-------------|------|----------|-----------|-------------|-------|----------|------|
| 1,1,1-Trichloroethane | 0.9300 | 0.15 | 1 | 0 | 93.0 | 70 | 130 | 0.82 | 12.6 | 30 | |
| 1,1,2,2-Tetrachloroethane | 0.8900 | 0.15 | 1 | 0 | 89.0 | 70 | 130 | 0.8 | 10.7 | 30 | |
| 1,1,2-Trichloroethane | 0.9200 | 0.15 | 1 | 0 | 92.0 | 70 | 130 | 0.83 | 10.3 | 30 | |
| 1,1-Dichloroethane | 0.8800 | 0.15 | 1 | 0 | 88.0 | 70 | 130 | 0.78 | 10.6 | 30 | |
| 1,1-Dichloroethene | 0.8400 | 0.040 | 1 | 0 | 84.0 | 70 | 130 | 0.86 | 8.89 | 30 | |
| 1,2,4-Trichlorobenzene | 0.7600 | 0.15 | 1 | 0 | 76.0 | 70 | 130 | 0.78 | 2.60 | 30 | |
| 1,2,4-Triethylbenzene | 0.9300 | 0.15 | 1 | 0 | 93.0 | 70 | 130 | 0.96 | 3.17 | 30 | |
| 1,2-Dichloroethane | 0.9400 | 0.15 | 1 | 0 | 94.0 | 70 | 130 | 0.85 | 10.1 | 30 | |
| 1,2-Dichlorobenzene | 0.9300 | 0.15 | 1 | 0 | 93.0 | 70 | 130 | 0.81 | 2.17 | 30 | |
| 1,2-Dichloropropane | 0.9500 | 0.15 | 1 | 0 | 95.0 | 70 | 130 | 0.87 | 6.79 | 30 | |
| 1,3,5-Trimethylbenzene | 0.9000 | 0.15 | 1 | 0 | 90.0 | 70 | 130 | 0.81 | 10.5 | 30 | |
| 1,3-butadiene | 1.080 | 0.15 | 1 | 0 | 108 | 70 | 130 | 0.88 | 3.08 | 30 | |
| 1,3-Dichlorobenzene | 0.8900 | 0.15 | 1 | 0 | 89.0 | 70 | 130 | 0.88 | 19.3 | 30 | |
| 1,4-Dichlorobenzene | 0.9200 | 0.15 | 1 | 0 | 92.0 | 70 | 130 | 0.87 | 1.13 | 30 | |
| 1,4-Dioxane | 1.040 | 0.30 | 1 | 0 | 104 | 70 | 130 | 1.05 | 5.59 | 30 | |
| 2,2,4-trimethylpentane | 0.9500 | 0.15 | 1 | 0 | 95.0 | 70 | 130 | 0.85 | 0.957 | 30 | |
| 4-ethyltoluene | 1.000 | 0.15 | 1 | 0 | 100 | 70 | 130 | 0.87 | 11.1 | 30 | |

Quantifiers: J Results reported are not blank, corrected
J Analyte detected below quantification limit
S Spike Recovery outside accepted recovery limits
E Estimated Value above quantification range
ND Not Detected at the Limit of Detection
H Holding time for preparation or analysis exceeded
R RPD outside accepted recovery limits

Appendix C

Validator Qualifications

KENNETH R. APPLIN
Geochemist/Data Validator

Ph.D., Geochemistry and Mineralogy, The Pennsylvania State University

M.S., Geochemistry and Mineralogy, The Pennsylvania State University

B.A., Geological Sciences, SUNY at Geneseo, NY

Dr. Applin has over 35 years of experience working with the geochemistry of natural waters. His prior experience includes working as an Assistant Professor of Geology at the University of Missouri-Columbia and as Chief Hydrogeologist and Geochemist with a leading engineering firm in Rochester, NY. In 1993, he established KR Applin and Associates, a small consulting business that focuses on the geochemistry of natural waters, especially as applied to problems involving the contamination of groundwater and surface water.

Dr. Applin is also an experienced analytical data validator and has provided data validation services since 1994 to a variety of clients performing brownfield cleanup projects, hazardous waste remediation, groundwater monitoring at solid waste facilities, and other projects requiring third-party data validation. Dr. Applin has several years of hands-on experience with the laboratory analysis of natural waters and has successfully completed the USEPA Region II certification courses for performing inorganic and organic analytical data validation.

MICHAEL K. PERRY
Chemist/Data Validator

B.S. Chemistry, Georgia State University, Atlanta, GA

A.A.S., Chemical Technology, Alfred State College, Alfred, NY

Mr. Perry has over 30 years of experience in the analytical laboratory business. During his early career, he spent several years as a laboratory analyst performing the analysis of soil, water, and air samples for inorganic and organic chemical parameters. During his last 20 years in the environmental laboratory business, he managed and directed two major analytical laboratories in Rochester, NY. His management responsibilities included oversight of the daily operations of the lab, staff training and supervision, the selection, purchase, and maintenance of analytical instruments, the introduction of new laboratory methods, analytical quality assurance and quality control, data acquisition and management, and other business-related activities.

Mr. Perry has an extensive working knowledge of the methods and procedures used for sampling and analyzing both inorganic and organic analytes in soil, water, and air. He is an accomplished laboratory chemist and is familiar with the analytical methods and procedures established under the USEPA Contract Laboratory Protocols (CLP), the NYSDEC Analytical Services Protocols (ASP), and the NYSDOH Environmental Laboratory Approval Program (ELAP).