**Friday, August 07, 2020**

**Attn: Mr. Charles B. Sosik, P.G.**
**Environmental Business Consultants**
**1808 Middle Country Rd**
**Ridge NY 11961-2406**

**Project ID:** **64 CENTRE AVE, NEW ROCHELLE NY**
**SDG ID:** **GCG47119**
**Sample ID#s: CG47119 - CG47125**

**This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.**

**This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory. This report is incomplete unless all pages indicated in the pagination at the bottom of the page are included.**

**All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.**

**A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.**

**If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.**

**Sincerely yours,**

**Phyllis Shiller**
**Laboratory Director**

**NELAC - #NY11301**
**CT Lab Registration #PH-0618**
**MA Lab Registration #M-CT007**
**ME Lab Registration #CT-007**
**NH Lab Registration #213693-A,B**
**NJ Lab Registration #CT-003**
**NY Lab Registration #11301**
**PA Lab Registration #68-03530**
**RI Lab Registration #63**
**UT Lab Registration #CT00007**
**VT Lab Registration #VT11301**

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

NY # 11301

# SDG Comments

August 07, 2020

SDG I.D.: GCG47119

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

NY # 11301

# Sample Id Cross Reference

August 07, 2020

SDG I.D.: GCG47119

Project ID: 64 CENTRE AVE, NEW ROCHELLE NY

| Client Id | Lab Id | Matrix |
|---|---|---|
| 64B1 FILL | CG47119 | SOIL |
| 64B2 FILL | CG47120 | SOIL |
| 64B3 FILL | CG47121 | SOIL |
| 64B4 FILL | CG47122 | SOIL |
| 64B5 FILL | CG47123 | SOIL |
| TRIP BLANK HIGH | CG47124 | SOIL |
| TRIP BLANK LOW | CG47125 | SOIL |

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

# Analysis Report

August 07, 2020

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

| Sample Information | | Custody Information | | Date | Time |
|---|---|---|---|---|---|
| Matrix: | SOIL | Collected by: | DM | 08/03/20 | 11:28 |
| Location Code: | EBC | Received by: | CP | 08/04/20 | 15:52 |
| Rush Request: | 72 Hour | Analyzed by: | see "By" below | | |
| P.O.#: | | | | | |

## Laboratory Data

SDG ID: GCG47119
Phoenix ID: CG47119

Project ID: 64 CENTRE AVE, NEW ROCHELLE NY
Client ID: 64B1 FILL

| Parameter | Result | RL/ PQL | LOD/ MDL | Units | Dilution | Date/Time | By | Reference | |
|---|---|---|---|---|---|---|---|---|---|
| Silver | < 0.34 | 0.34 | | mg/Kg | 1 | 08/05/20 | CPP | SW6010D | |
| Aluminum | 9860 | 34 | | mg/Kg | 10 | 08/05/20 | CPP | SW6010D | |
| Arsenic | 1.53 | 0.69 | | mg/Kg | 1 | 08/05/20 | CPP | SW6010D | |
| Barium | 76.3 | 0.7 | | mg/Kg | 1 | 08/05/20 | CPP | SW6010D | |
| Beryllium | < 0.28 | 0.28 | | mg/Kg | 1 | 08/05/20 | CPP | SW6010D | |
| Calcium | 43800 | 34 | | mg/Kg | 10 | 08/05/20 | CPP | SW6010D | |
| Cadmium | 0.84 | 0.34 | | mg/Kg | 1 | 08/05/20 | CPP | SW6010D | |
| Cobalt | 10.2 | 0.34 | | mg/Kg | 1 | 08/05/20 | CPP | SW6010D | |
| Chromium | 26.2 | 0.34 | | mg/Kg | 1 | 08/05/20 | CPP | SW6010D | |
| Copper | 90.7 | 0.7 | | mg/kg | 1 | 08/05/20 | CPP | SW6010D | |
| Iron | 22800 | 34 | | mg/Kg | 10 | 08/05/20 | CPP | SW6010D | |
| Mercury | < 0.03 | 0.03 | | mg/Kg | 2 | 08/05/20 | RS | SW7471B | |
| Potassium | 4730 | 69 | | mg/Kg | 10 | 08/05/20 | CPP | SW6010D | |
| Magnesium | 26400 | 34 | | mg/Kg | 10 | 08/05/20 | CPP | SW6010D | |
| Manganese | 393 | 3.4 | | mg/Kg | 10 | 08/05/20 | CPP | SW6010D | |
| Molybdenum | < 0.34 | 0.34 | | mg/Kg | 1 | 08/05/20 | CPP | SW6010D | |
| Sodium | 382 | 7 | | mg/Kg | 1 | 08/05/20 | CPP | SW6010D | |
| Nickel | 18.3 | 0.34 | | mg/Kg | 1 | 08/05/20 | CPP | SW6010D | |
| Lead | 9.6 | 0.7 | | mg/Kg | 1 | 08/05/20 | CPP | SW6010D | |
| Antimony | < 3.4 | 3.4 | | mg/Kg | 1 | 08/05/20 | CPP | SW6010D | |
| Selenium | < 1.4 | 1.4 | | mg/Kg | 1 | 08/05/20 | CPP | SW6010D | |
| Thallium | < 1.4 | 1.4 | | mg/Kg | 1 | 08/05/20 | CPP | SW6010D | |
| Vanadium | 34.7 | 0.34 | | mg/Kg | 1 | 08/05/20 | CPP | SW6010D | |
| Zinc | 39.5 | 0.7 | | mg/Kg | 1 | 08/05/20 | CPP | SW6010D | |
| Percent Solid | 93 | | | % | | 08/04/20 | HB | SW846-%Solid | |
| **Chromium, Hex. (SW3060 digestion)** | < 0.42 | 0.42 | | mg/Kg | 1 | 08/06/20 | ARG | SW7196A | |
| pH at 25C - Soil | 8.30 | 1.00 | | pH Units | 1 | 08/04/20 22:27 | MB | SW846 9045 | 1 |
| Redox Potential | 199 | | | mV | 1 | 08/04/20 | MB | SM2580B-09 | 1 |

**Ver 1**

Project ID: 64 CENTRE AVE, NEW ROCHELLE NY
Client ID: 64B1 FILL

Phoenix I.D.: CG47119

| Parameter | Result | RL/ PQL | LOD/ MDL | Units | Dilution | Date/Time | By | |
|---|---|---|---|---|---|---|---|---|
| **Total Cyanide (SW9010C Distill.)** | < 0.54 | 0.54 | | mg/Kg | 1 | 08/06/20 | EG | SW9012B |
| Soil Extraction for PCB | Completed | | | | | 08/04/20 | L/E | SW3545A |
| Soil Extraction for Pesticides | Completed | | | | | 08/04/20 | L/E | SW3545A |
| Mercury Digestion | Completed | | | | | 08/05/20 | VT/VT | SW7471B |
| Soil Extraction for SVOA | Completed | | | | | 08/04/20 | R/M | SW3546 |
| Total Metals Digest | Completed | | | | | 08/04/20 | F/AG/BF | SW3050B |
| **Polychlorinated Biphenyls** | | | | | | | | |
| PCB-1016 | ND | 70 | 70 | ug/Kg | 2 | 08/05/20 | SC | SW8082A |
| PCB-1221 | ND | 70 | 70 | ug/Kg | 2 | 08/05/20 | SC | SW8082A |
| PCB-1232 | ND | 70 | 70 | ug/Kg | 2 | 08/05/20 | SC | SW8082A |
| PCB-1242 | ND | 70 | 70 | ug/Kg | 2 | 08/05/20 | SC | SW8082A |
| PCB-1248 | ND | 70 | 70 | ug/Kg | 2 | 08/05/20 | SC | SW8082A |
| PCB-1254 | ND | 70 | 70 | ug/Kg | 2 | 08/05/20 | SC | SW8082A |
| PCB-1260 | ND | 70 | 70 | ug/Kg | 2 | 08/05/20 | SC | SW8082A |
| PCB-1262 | ND | 70 | 70 | ug/Kg | 2 | 08/05/20 | SC | SW8082A |
| PCB-1268 | ND | 70 | 70 | ug/Kg | 2 | 08/05/20 | SC | SW8082A |
| **QA/QC Surrogates** | | | | | | | | |
| % DCBP | 78 | | | % | 2 | 08/05/20 | SC | 30 - 150 % |
| % DCBP (Confirmation) | 65 | | | % | 2 | 08/05/20 | SC | 30 - 150 % |
| % TCMX | 65 | | | % | 2 | 08/05/20 | SC | 30 - 150 % |
| % TCMX (Confirmation) | 68 | | | % | 2 | 08/05/20 | SC | 30 - 150 % |
| **Pesticides - Soil** | | | | | | | | |
| 4,4' -DDD | ND | 2.1 | | ug/Kg | 2 | 08/05/20 | CG | SW8081B |
| 4,4' -DDE | ND | 2.1 | | ug/Kg | 2 | 08/05/20 | CG | SW8081B |
| 4,4' -DDT | ND | 2.1 | | ug/Kg | 2 | 08/05/20 | CG | SW8081B |
| a-BHC | ND | 7.0 | | ug/Kg | 2 | 08/05/20 | CG | SW8081B |
| a-Chlordane | ND | 3.5 | | ug/Kg | 2 | 08/05/20 | CG | SW8081B |
| Aldrin | ND | 3.5 | | ug/Kg | 2 | 08/05/20 | CG | SW8081B |
| b-BHC | ND | 7.0 | | ug/Kg | 2 | 08/05/20 | CG | SW8081B |
| Chlordane | ND | 35 | | ug/Kg | 2 | 08/05/20 | CG | SW8081B |
| d-BHC | ND | 7.0 | | ug/Kg | 2 | 08/05/20 | CG | SW8081B |
| Dieldrin | 22 | 3.5 | | ug/Kg | 2 | 08/05/20 | CG | SW8081B |
| Endosulfan I | ND | 7.0 | | ug/Kg | 2 | 08/05/20 | CG | SW8081B |
| Endosulfan II | ND | 7.0 | | ug/Kg | 2 | 08/05/20 | CG | SW8081B |
| Endosulfan sulfate | ND | 7.0 | | ug/Kg | 2 | 08/05/20 | CG | SW8081B |
| Endrin | ND | 7.0 | | ug/Kg | 2 | 08/05/20 | CG | SW8081B |
| Endrin aldehyde | ND | 7.0 | | ug/Kg | 2 | 08/05/20 | CG | SW8081B |
| Endrin ketone | ND | 7.0 | | ug/Kg | 2 | 08/05/20 | CG | SW8081B |
| g-BHC | ND | 1.4 | | ug/Kg | 2 | 08/05/20 | CG | SW8081B |
| g-Chlordane | ND | 3.5 | | ug/Kg | 2 | 08/05/20 | CG | SW8081B |
| Heptachlor | ND | 7.0 | | ug/Kg | 2 | 08/05/20 | CG | SW8081B |
| Heptachlor epoxide | ND | 7.0 | | ug/Kg | 2 | 08/05/20 | CG | SW8081B |
| Methoxychlor | ND | 35 | | ug/Kg | 2 | 08/05/20 | CG | SW8081B |
| Toxaphene | ND | 140 | | ug/Kg | 2 | 08/05/20 | CG | SW8081B |
| **QA/QC Surrogates** | | | | | | | | |
| % DCBP | 55 | | | % | 2 | 08/05/20 | CG | 30 - 150 % |
| % DCBP (Confirmation) | 59 | | | % | 2 | 08/05/20 | CG | 30 - 150 % |
| % TCMX | 65 | | | % | 2 | 08/05/20 | CG | 30 - 150 % |

**Ver 1**

Project ID: 64 CENTRE AVE, NEW ROCHELLE NY
Client ID: 64B1 FILL

Phoenix I.D.: CG47119

| Parameter | Result | RL/ PQL | LOD/ MDL | Units | Dilution | Date/Time | By | | |
|---|---|---|---|---|---|---|---|---|---|
| % TCMX (Confirmation) | 58 | | | % | 2 | 08/05/20 | CG | 30 - 150 % | |
| **Volatiles** | | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | 4.3 | 0.86 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C | |
| 1,1,1-Trichloroethane | ND | 4.3 | 0.43 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C | |
| 1,1,2,2-Tetrachloroethane | ND | 4.3 | 0.86 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C | |
| 1,1,2-Trichloroethane | ND | 4.3 | 0.86 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C | |
| 1,1-Dichloroethane | ND | 4.3 | 0.86 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C | |
| 1,1-Dichloroethene | ND | 4.3 | 0.43 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C | |
| 1,1-Dichloropropene | ND | 4.3 | 0.43 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C | |
| 1,2,3-Trichlorobenzene | ND | 4.3 | 0.86 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C | |
| 1,2,3-Trichloropropane | ND | 4.3 | 0.43 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C | |
| 1,2,4-Trichlorobenzene | ND | 4.3 | 0.86 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C | |
| 1,2,4-Trimethylbenzene | ND | 4.3 | 0.43 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C | |
| 1,2-Dibromo-3-chloropropane | ND | 4.3 | 0.86 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C | |
| 1,2-Dibromoethane | ND | 1.2 | 0.43 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C | |
| 1,2-Dichlorobenzene | ND | 4.3 | 0.43 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C | |
| 1,2-Dichloroethane | ND | 4.3 | 0.43 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C | |
| 1,2-Dichloropropane | ND | 4.3 | 0.86 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C | |
| 1,3,5-Trimethylbenzene | ND | 4.3 | 0.43 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C | |
| 1,3-Dichlorobenzene | ND | 4.3 | 0.43 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C | |
| 1,3-Dichloropropane | ND | 4.3 | 0.86 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C | |
| 1,4-Dichlorobenzene | ND | 4.3 | 0.43 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C | |
| 2,2-Dichloropropane | ND | 4.3 | 0.43 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C | |
| 2-Chlorotoluene | ND | 4.3 | 0.86 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C | |
| 2-Hexanone | ND | 22 | 4.3 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C | |
| 2-Isopropyltoluene | ND | 4.3 | 0.43 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C | 1 |
| 4-Chlorotoluene | ND | 4.3 | 0.43 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C | |
| 4-Methyl-2-pentanone | ND | 22 | 4.3 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C | |
| Acetone | ND | 22 | 4.3 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C | |
| Acrylonitrile | ND | 8.6 | 0.86 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C | |
| Benzene | ND | 4.3 | 0.43 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C | |
| Bromobenzene | ND | 4.3 | 0.43 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C | |
| Bromochloromethane | ND | 4.3 | 0.43 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C | |
| Bromodichloromethane | ND | 4.3 | 0.86 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C | |
| Bromoform | ND | 4.3 | 0.86 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C | |
| Bromomethane | ND | 4.3 | 1.7 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C | |
| Carbon Disulfide | ND | 4.3 | 0.86 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C | |
| Carbon tetrachloride | ND | 4.3 | 0.86 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C | |
| Chlorobenzene | ND | 4.3 | 0.43 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C | |
| Chloroethane | ND | 4.3 | 0.43 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C | |
| Chloroform | ND | 4.3 | 0.43 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C | |
| Chloromethane | ND | 4.3 | 0.86 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C | |
| cis-1,2-Dichloroethene | ND | 4.3 | 0.43 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C | |
| cis-1,3-Dichloropropene | ND | 4.3 | 0.43 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C | |
| Dibromochloromethane | ND | 4.3 | 0.86 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C | |
| Dibromomethane | ND | 4.3 | 0.86 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C | |
| Dichlorodifluoromethane | ND | 4.3 | 0.43 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C | |
| Ethylbenzene | ND | 4.3 | 0.43 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C | |
| Hexachlorobutadiene | ND | 4.3 | 0.43 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C | |

Project ID: 64 CENTRE AVE, NEW ROCHELLE NY
Client ID: 64B1 FILL

Phoenix I.D.: CG47119

| Parameter | Result | RL/ PQL | LOD/ MDL | Units | Dilution | Date/Time | By | |
|---|---|---|---|---|---|---|---|---|
| Isopropylbenzene | ND | 4.3 | 0.43 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C |
| m&p-Xylene | ND | 4.3 | 0.86 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C |
| Methyl Ethyl Ketone | ND | 26 | 4.3 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C |
| Methyl t-butyl ether (MTBE) | ND | 8.6 | 0.86 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C |
| Methylene chloride | ND | 4.3 | 4.3 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C |
| Naphthalene | ND | 4.3 | 0.86 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C |
| n-Butylbenzene | ND | 4.3 | 0.43 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C |
| n-Propylbenzene | ND | 4.3 | 0.86 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C |
| o-Xylene | ND | 4.3 | 0.86 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C |
| p-Isopropyltoluene | ND | 4.3 | 0.43 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C |
| sec-Butylbenzene | ND | 4.3 | 0.43 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C |
| Styrene | ND | 4.3 | 0.43 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C |
| tert-Butylbenzene | ND | 4.3 | 0.43 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C |
| Tetrachloroethene | ND | 4.3 | 0.86 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C |
| Tetrahydrofuran (THF) | ND | 8.6 | 2.2 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C |
| Toluene | ND | 4.3 | 0.43 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C |
| trans-1,2-Dichloroethene | ND | 4.3 | 0.43 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C |
| trans-1,3-Dichloropropene | ND | 4.3 | 0.43 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C |
| trans-1,4-dichloro-2-butene | ND | 8.6 | 2.2 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C |
| Trichloroethene | ND | 4.3 | 0.43 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C |
| Trichlorofluoromethane | ND | 4.3 | 0.86 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C |
| Trichlorotrifluoroethane | ND | 4.3 | 0.43 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C |
| Vinyl chloride | ND | 4.3 | 0.43 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C |
| **QA/QC Surrogates** | | | | | | | | |
| % 1,2-dichlorobenzene-d4 | 100 | | | % | 1 | 08/05/20 | JLI | 70 - 130 % |
| % Bromofluorobenzene | 99 | | | % | 1 | 08/05/20 | JLI | 70 - 130 % |
| % Dibromofluoromethane | 94 | | | % | 1 | 08/05/20 | JLI | 70 - 130 % |
| % Toluene-d8 | 99 | | | % | 1 | 08/05/20 | JLI | 70 - 130 % |
| **1,4-dioxane** | | | | | | | | |
| 1,4-dioxane | ND | 65 | | ug/kg | 1 | 08/05/20 | JLI | SW8260C |
| **QA/QC Surrogates** | | | | | | | | |
| % 1,2-dichlorobenzene-d4 | 100 | | | % | 1 | 08/05/20 | JLI | 70 - 130 % |
| % Bromofluorobenzene | 99 | | | % | 1 | 08/05/20 | JLI | 70 - 130 % |
| % Dibromofluoromethane | 94 | | | % | 1 | 08/05/20 | JLI | 70 - 130 % |
| % Toluene-d8 | 99 | | | % | 1 | 08/05/20 | JLI | 70 - 130 % |
| **Volatiles** | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | 17 | | ug/Kg | 1 | 08/05/20 | JLI | SW8260C |
| Acrolein | ND | 1.4 | | ug/Kg | 1 | 08/05/20 | JLI | SW8260C |
| Acrylonitrile | ND | 17 | | ug/Kg | 1 | 08/05/20 | JLI | SW8260C |
| Tert-butyl alcohol | ND | 86 | | ug/Kg | 1 | 08/05/20 | JLI | SW8260C |
| **Semivolatiles** | | | | | | | | |
| 1,2,4,5-Tetrachlorobenzene | ND | 250 | 130 | ug/Kg | 1 | 08/05/20 | WB | SW8270D |
| 1,2,4-Trichlorobenzene | ND | 250 | 110 | ug/Kg | 1 | 08/05/20 | WB | SW8270D |
| 1,2-Dichlorobenzene | ND | 250 | 100 | ug/Kg | 1 | 08/05/20 | WB | SW8270D |
| 1,2-Diphenylhydrazine | ND | 250 | 120 | ug/Kg | 1 | 08/05/20 | WB | SW8270D |
| 1,3-Dichlorobenzene | ND | 250 | 110 | ug/Kg | 1 | 08/05/20 | WB | SW8270D |
| 1,4-Dichlorobenzene | ND | 250 | 110 | ug/Kg | 1 | 08/05/20 | WB | SW8270D |

Project ID: 64 CENTRE AVE, NEW ROCHELLE NY
Client ID: 64B1 FILL

Phoenix I.D.: CG47119

| Parameter | Result | RL/ PQL | LOD/ MDL | Units | Dilution | Date/Time | By | | |
|---|---|---|---|---|---|---|---|---|---|
| 2,4,5-Trichlorophenol | ND | 250 | 200 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| 2,4,6-Trichlorophenol | ND | 180 | 110 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| 2,4-Dichlorophenol | ND | 180 | 130 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| 2,4-Dimethylphenol | ND | 250 | 89 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| 2,4-Dinitrophenol | ND | 250 | 250 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| 2,4-Dinitrotoluene | ND | 180 | 140 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| 2,6-Dinitrotoluene | ND | 180 | 110 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| 2-Chloronaphthalene | ND | 250 | 100 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| 2-Chlorophenol | ND | 250 | 100 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| 2-Methylnaphthalene | ND | 250 | 110 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| 2-Methylphenol (o-cresol) | ND | 250 | 170 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| 2-Nitroaniline | ND | 100 | 100 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| 2-Nitrophenol | ND | 250 | 230 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| 3&4-Methylphenol (m&p-cresol) | ND | 250 | 140 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | 1 |
| 3,3'-Dichlorobenzidine | ND | 180 | 170 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| 3-Nitroaniline | ND | 91 | 91 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| 4,6-Dinitro-2-methylphenol | ND | 220 | 72 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| 4-Bromophenyl phenyl ether | ND | 250 | 110 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| 4-Chloro-3-methylphenol | ND | 250 | 130 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| 4-Chloroaniline | ND | 290 | 170 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| 4-Chlorophenyl phenyl ether | ND | 250 | 120 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| 4-Nitroaniline | ND | 86 | 86 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| 4-Nitrophenol | ND | 360 | 160 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Acenaphthene | ND | 250 | 110 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Acenaphthylene | ND | 250 | 100 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Acetophenone | ND | 250 | 110 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Aniline | ND | 290 | 290 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Anthracene | ND | 250 | 120 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Benz(a)anthracene | ND | 250 | 120 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Benzidine | ND | 340 | 210 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Benzo(a)pyrene | ND | 180 | 120 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Benzo(b)fluoranthene | ND | 250 | 120 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Benzo(ghi)perylene | ND | 250 | 120 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Benzo(k)fluoranthene | ND | 250 | 120 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Benzoic acid | ND | 1800 | 720 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Benzyl butyl phthalate | ND | 250 | 92 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Bis(2-chloroethoxy)methane | ND | 250 | 99 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Bis(2-chloroethyl)ether | ND | 72 | 72 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Bis(2-chloroisopropyl)ether | ND | 250 | 100 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Bis(2-ethylhexyl)phthalate | ND | 250 | 100 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Carbazole | ND | 180 | 140 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Chrysene | ND | 250 | 120 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Dibenz(a,h)anthracene | ND | 180 | 120 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Dibenzofuran | ND | 250 | 100 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Diethyl phthalate | ND | 250 | 110 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Dimethylphthalate | ND | 250 | 110 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Di-n-butylphthalate | ND | 250 | 95 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Di-n-octylphthalate | ND | 250 | 92 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Fluoranthene | ND | 250 | 120 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |

Project ID: 64 CENTRE AVE, NEW ROCHELLE NY
Client ID: 64B1 FILL

Phoenix I.D.: CG47119

| Parameter | Result | RL/ PQL | LOD/ MDL | Units | Dilution | Date/Time | By | | |
|---|---|---|---|---|---|---|---|---|---|
| Fluorene | ND | 250 | 120 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Hexachlorobenzene | ND | 180 | 100 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Hexachlorobutadiene | ND | 250 | 130 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Hexachlorocyclopentadiene | ND | 250 | 110 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Hexachloroethane | ND | 180 | 110 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Indeno(1,2,3-cd)pyrene | ND | 250 | 120 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Isophorone | ND | 180 | 100 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Naphthalene | ND | 250 | 100 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Nitrobenzene | ND | 180 | 130 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| N-Nitrosodimethylamine | ND | 72 | 72 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| N-Nitrosodi-n-propylamine | ND | 72 | 72 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| N-Nitrosodiphenylamine | ND | 250 | 140 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Pentachloronitrobenzene | ND | 250 | 130 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Pentachlorophenol | ND | 220 | 140 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Phenanthrene | ND | 250 | 100 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Phenol | ND | 250 | 110 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Pyrene | ND | 250 | 120 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Pyridine | ND | 220 | 88 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| **QA/QC Surrogates** | | | | | | | | | |
| % 2,4,6-Tribromophenol | 93 | | | % | 1 | 08/05/20 | WB | 30 - 130 % | |
| % 2-Fluorobiphenyl | 76 | | | % | 1 | 08/05/20 | WB | 30 - 130 % | |
| % 2-Fluorophenol | 78 | | | % | 1 | 08/05/20 | WB | 30 - 130 % | |
| % Nitrobenzene-d5 | 77 | | | % | 1 | 08/05/20 | WB | 30 - 130 % | |
| % Phenol-d5 | 84 | | | % | 1 | 08/05/20 | WB | 30 - 130 % | |
| % Terphenyl-d14 | 89 | | | % | 1 | 08/05/20 | WB | 30 - 130 % | |
| **Additional Semi-Volatile Compounds** | | | | | | | | | |
| 1,1-Biphenyl | ND | 250 | 110 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| 1,2,4,5-Tetrachlorobenzene | ND | 250 | 130 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Atrazine | ND | 130 | 72 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Benzaldehyde | ND | 250 | 110 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Benzo(a)pyrene | ND | 250 | 120 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Caprolactam | ND | 140 | 140 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| **QA/QC Surrogates** | | | | | | | | | |
| % 2,4,6-Tribromophenol | 93 | | | % | 1 | 08/05/20 | WB | 30 - 130 % | |
| % 2-Fluorobiphenyl | 76 | | | % | 1 | 08/05/20 | WB | 30 - 130 % | |
| % 2-Fluorophenol | 78 | | | % | 1 | 08/05/20 | WB | 30 - 130 % | |
| % Nitrobenzene-d5 | 77 | | | % | 1 | 08/05/20 | WB | 30 - 130 % | |
| % Phenol-d5 | 84 | | | % | 1 | 08/05/20 | WB | 30 - 130 % | |
| % Terphenyl-d14 | 89 | | | % | 1 | 08/05/20 | WB | 30 - 130 % | |
| Pyridine | ND | 220 | | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Field Extraction | Completed | | | | | 08/03/20 | | SW5035A | 1 |

| Parameter | Result | RL/ PQL | LOD/ MDL | Units | Dilution | Date/Time | By |
|---|---|---|---|---|---|---|---|

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL
BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

## Comments:

Semi-Volatile Comment:
Due to low QC recoveries the RL/PQL of some compounds have been evaluated below the lowest calibration standard in order account for possible sample bias and meet criteria: 2,4-dintrophenol, 4,6-Dinitro-2-methylphenol, and Benzidine.

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Semi-Volatile Comment:
To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

Hexavalent Chromium:
This sample is in a reducing state.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

**Phyllis Shiller, Laboratory Director**
**August 07, 2020**
**Reviewed and Released by: Greg Lawrence, Assistant Lab Director**

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

# Analysis Report

August 07, 2020

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

| Sample Information | | Custody Information | | Date | Time |
|---|---|---|---|---|---|
| Matrix: | SOIL | Collected by: | DM | 08/03/20 | 11:00 |
| Location Code: | EBC | Received by: | CP | 08/04/20 | 15:52 |
| Rush Request: | 72 Hour | Analyzed by: | see "By" below | | |
| P.O.#: | | | | | |

## Laboratory Data

SDG ID: GCG47119
Phoenix ID: CG47120

Project ID: 64 CENTRE AVE, NEW ROCHELLE NY
Client ID: 64B2 FILL

| Parameter | Result | RL/ PQL | LOD/ MDL | Units | Dilution | Date/Time | By | Reference | |
|---|---|---|---|---|---|---|---|---|---|
| Silver | < 0.35 | 0.35 | | mg/Kg | 1 | 08/05/20 | CPP | SW6010D | |
| Aluminum | 15900 | 35 | | mg/Kg | 10 | 08/05/20 | CPP | SW6010D | |
| Arsenic | 2.56 | 0.70 | | mg/Kg | 1 | 08/05/20 | CPP | SW6010D | |
| Barium | 81.4 | 0.7 | | mg/Kg | 1 | 08/05/20 | CPP | SW6010D | |
| Beryllium | 0.68 | 0.28 | | mg/Kg | 1 | 08/05/20 | CPP | SW6010D | |
| Calcium | 1760 | 3.5 | | mg/Kg | 1 | 08/05/20 | CPP | SW6010D | |
| Cadmium | 0.86 | 0.35 | | mg/Kg | 1 | 08/05/20 | CPP | SW6010D | |
| Cobalt | 8.00 | 0.35 | | mg/Kg | 1 | 08/05/20 | CPP | SW6010D | |
| Chromium | 23.9 | 0.35 | | mg/Kg | 1 | 08/05/20 | CPP | SW6010D | |
| Copper | 13.1 | 0.7 | | mg/kg | 1 | 08/05/20 | CPP | SW6010D | |
| Iron | 18900 | 35 | | mg/Kg | 10 | 08/05/20 | CPP | SW6010D | |
| Mercury | 0.04 | 0.03 | | mg/Kg | 2 | 08/05/20 | RS | SW7471B | |
| Potassium | 941 | 7 | | mg/Kg | 1 | 08/05/20 | CPP | SW6010D | |
| Magnesium | 3120 | 3.5 | | mg/Kg | 1 | 08/05/20 | CPP | SW6010D | |
| Manganese | 464 | 3.5 | | mg/Kg | 10 | 08/05/20 | CPP | SW6010D | |
| Molybdenum | < 0.35 | 0.35 | | mg/Kg | 1 | 08/05/20 | CPP | SW6010D | |
| Sodium | 386 | 7 | | mg/Kg | 1 | 08/05/20 | CPP | SW6010D | |
| Nickel | 16.2 | 0.35 | | mg/Kg | 1 | 08/05/20 | CPP | SW6010D | |
| Lead | 19.5 | 0.7 | | mg/Kg | 1 | 08/05/20 | CPP | SW6010D | |
| Antimony | < 3.5 | 3.5 | | mg/Kg | 1 | 08/05/20 | CPP | SW6010D | |
| Selenium | < 1.4 | 1.4 | | mg/Kg | 1 | 08/05/20 | CPP | SW6010D | |
| Thallium | < 1.4 | 1.4 | | mg/Kg | 1 | 08/05/20 | CPP | SW6010D | |
| Vanadium | 31.8 | 0.35 | | mg/Kg | 1 | 08/05/20 | CPP | SW6010D | |
| Zinc | 37.2 | 0.7 | | mg/Kg | 1 | 08/05/20 | CPP | SW6010D | |
| Percent Solid | 85 | | | % | | 08/04/20 | HB | SW846-%Solid | |
| **Chromium, Hex. (SW3060 digestion)** | < 0.47 | 0.47 | | mg/Kg | 1 | 08/06/20 | ARG | SW7196A | |
| pH at 25C - Soil | 7.91 | 1.00 | | pH Units | 1 | 08/04/20 22:27 | MB | SW846 9045 | 1 |
| Redox Potential | 168 | | | mV | 1 | 08/04/20 | MB | SM2580B-09 | 1 |

**Ver 1**

Project ID: 64 CENTRE AVE, NEW ROCHELLE NY
Client ID: 64B2 FILL

Phoenix I.D.: CG47120

| Parameter | Result | RL/ PQL | LOD/ MDL | Units | Dilution | Date/Time | By | |
|---|---|---|---|---|---|---|---|---|
| **Total Cyanide (SW9010C Distill.)** | < 0.53 | 0.53 | | mg/Kg | 1 | 08/06/20 | EG | SW9012B |
| Soil Extraction for PCB | Completed | | | | | 08/04/20 | L/E | SW3545A |
| Soil Extraction for Pesticides | Completed | | | | | 08/04/20 | L/E | SW3545A |
| Mercury Digestion | Completed | | | | | 08/05/20 | VT/VT | SW7471B |
| Soil Extraction for SVOA | Completed | | | | | 08/04/20 | R/M | SW3546 |
| Total Metals Digest | Completed | | | | | 08/04/20 | F/AG/BF | SW3050B |
| **Polychlorinated Biphenyls** | | | | | | | | |
| PCB-1016 | ND | 77 | 77 | ug/Kg | 2 | 08/06/20 | SC | SW8082A |
| PCB-1221 | ND | 77 | 77 | ug/Kg | 2 | 08/06/20 | SC | SW8082A |
| PCB-1232 | ND | 77 | 77 | ug/Kg | 2 | 08/06/20 | SC | SW8082A |
| PCB-1242 | ND | 77 | 77 | ug/Kg | 2 | 08/06/20 | SC | SW8082A |
| PCB-1248 | ND | 77 | 77 | ug/Kg | 2 | 08/06/20 | SC | SW8082A |
| PCB-1254 | ND | 77 | 77 | ug/Kg | 2 | 08/06/20 | SC | SW8082A |
| PCB-1260 | ND | 77 | 77 | ug/Kg | 2 | 08/06/20 | SC | SW8082A |
| PCB-1262 | ND | 77 | 77 | ug/Kg | 2 | 08/06/20 | SC | SW8082A |
| PCB-1268 | ND | 77 | 77 | ug/Kg | 2 | 08/06/20 | SC | SW8082A |
| **QA/QC Surrogates** | | | | | | | | |
| % DCBP | 70 | | | % | 2 | 08/06/20 | SC | 30 - 150 % |
| % DCBP (Confirmation) | 74 | | | % | 2 | 08/06/20 | SC | 30 - 150 % |
| % TCMX | 70 | | | % | 2 | 08/06/20 | SC | 30 - 150 % |
| % TCMX (Confirmation) | 70 | | | % | 2 | 08/06/20 | SC | 30 - 150 % |
| **Pesticides - Soil** | | | | | | | | |
| 4,4' -DDD | ND | 2.3 | | ug/Kg | 2 | 08/05/20 | CG | SW8081B |
| 4,4' -DDE | ND | 2.3 | | ug/Kg | 2 | 08/05/20 | CG | SW8081B |
| 4,4' -DDT | ND | 2.3 | | ug/Kg | 2 | 08/05/20 | CG | SW8081B |
| a-BHC | ND | 7.7 | | ug/Kg | 2 | 08/05/20 | CG | SW8081B |
| a-Chlordane | ND | 3.9 | | ug/Kg | 2 | 08/05/20 | CG | SW8081B |
| Aldrin | ND | 3.9 | | ug/Kg | 2 | 08/05/20 | CG | SW8081B |
| b-BHC | ND | 7.7 | | ug/Kg | 2 | 08/05/20 | CG | SW8081B |
| Chlordane | ND | 39 | | ug/Kg | 2 | 08/05/20 | CG | SW8081B |
| d-BHC | ND | 7.7 | | ug/Kg | 2 | 08/05/20 | CG | SW8081B |
| Dieldrin | ND | 3.9 | | ug/Kg | 2 | 08/05/20 | CG | SW8081B |
| Endosulfan I | ND | 7.7 | | ug/Kg | 2 | 08/05/20 | CG | SW8081B |
| Endosulfan II | ND | 7.7 | | ug/Kg | 2 | 08/05/20 | CG | SW8081B |
| Endosulfan sulfate | ND | 7.7 | | ug/Kg | 2 | 08/05/20 | CG | SW8081B |
| Endrin | ND | 7.7 | | ug/Kg | 2 | 08/05/20 | CG | SW8081B |
| Endrin aldehyde | ND | 7.7 | | ug/Kg | 2 | 08/05/20 | CG | SW8081B |
| Endrin ketone | ND | 7.7 | | ug/Kg | 2 | 08/05/20 | CG | SW8081B |
| g-BHC | ND | 1.5 | | ug/Kg | 2 | 08/05/20 | CG | SW8081B |
| g-Chlordane | ND | 3.9 | | ug/Kg | 2 | 08/05/20 | CG | SW8081B |
| Heptachlor | ND | 7.7 | | ug/Kg | 2 | 08/05/20 | CG | SW8081B |
| Heptachlor epoxide | ND | 7.7 | | ug/Kg | 2 | 08/05/20 | CG | SW8081B |
| Methoxychlor | ND | 39 | | ug/Kg | 2 | 08/05/20 | CG | SW8081B |
| Toxaphene | ND | 150 | | ug/Kg | 2 | 08/05/20 | CG | SW8081B |
| **QA/QC Surrogates** | | | | | | | | |
| % DCBP | 72 | | | % | 2 | 08/05/20 | CG | 30 - 150 % |
| % DCBP (Confirmation) | 68 | | | % | 2 | 08/05/20 | CG | 30 - 150 % |
| % TCMX | 60 | | | % | 2 | 08/05/20 | CG | 30 - 150 % |

**Ver 1**

Project ID: 64 CENTRE AVE, NEW ROCHELLE NY
Client ID: 64B2 FILL

Phoenix I.D.: CG47120

| Parameter | Result | RL/ PQL | LOD/ MDL | Units | Dilution | Date/Time | By | | |
|---|---|---|---|---|---|---|---|---|---|
| % TCMX (Confirmation) | 59 | | | % | 2 | 08/05/20 | CG | 30 - 150 % | |
| **Volatiles** | | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | 3.6 | 0.73 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C | |
| 1,1,1-Trichloroethane | ND | 3.6 | 0.36 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C | |
| 1,1,2,2-Tetrachloroethane | ND | 3.6 | 0.73 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C | |
| 1,1,2-Trichloroethane | ND | 3.6 | 0.73 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C | |
| 1,1-Dichloroethane | ND | 3.6 | 0.73 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C | |
| 1,1-Dichloroethene | ND | 3.6 | 0.36 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C | |
| 1,1-Dichloropropene | ND | 3.6 | 0.36 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C | |
| 1,2,3-Trichlorobenzene | ND | 3.6 | 0.73 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C | |
| 1,2,3-Trichloropropane | ND | 3.6 | 0.36 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C | |
| 1,2,4-Trichlorobenzene | ND | 3.6 | 0.73 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C | |
| 1,2,4-Trimethylbenzene | ND | 3.6 | 0.36 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C | |
| 1,2-Dibromo-3-chloropropane | ND | 3.6 | 0.73 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C | |
| 1,2-Dibromoethane | ND | 1.2 | 0.36 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C | |
| 1,2-Dichlorobenzene | ND | 3.6 | 0.36 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C | |
| 1,2-Dichloroethane | ND | 3.6 | 0.36 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C | |
| 1,2-Dichloropropane | ND | 3.6 | 0.73 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C | |
| 1,3,5-Trimethylbenzene | ND | 3.6 | 0.36 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C | |
| 1,3-Dichlorobenzene | ND | 3.6 | 0.36 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C | |
| 1,3-Dichloropropane | ND | 3.6 | 0.73 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C | |
| 1,4-Dichlorobenzene | ND | 3.6 | 0.36 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C | |
| 2,2-Dichloropropane | ND | 3.6 | 0.36 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C | |
| 2-Chlorotoluene | ND | 3.6 | 0.73 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C | |
| 2-Hexanone | ND | 18 | 3.6 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C | |
| 2-Isopropyltoluene | ND | 3.6 | 0.36 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C | 1 |
| 4-Chlorotoluene | ND | 3.6 | 0.36 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C | |
| 4-Methyl-2-pentanone | ND | 18 | 3.6 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C | |
| Acetone | ND | 18 | 3.6 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C | |
| Acrylonitrile | ND | 7.3 | 0.73 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C | |
| Benzene | ND | 3.6 | 0.36 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C | |
| Bromobenzene | ND | 3.6 | 0.36 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C | |
| Bromochloromethane | ND | 3.6 | 0.36 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C | |
| Bromodichloromethane | ND | 3.6 | 0.73 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C | |
| Bromoform | ND | 3.6 | 0.73 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C | |
| Bromomethane | ND | 3.6 | 1.5 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C | |
| Carbon Disulfide | ND | 3.6 | 0.73 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C | |
| Carbon tetrachloride | ND | 3.6 | 0.73 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C | |
| Chlorobenzene | ND | 3.6 | 0.36 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C | |
| Chloroethane | ND | 3.6 | 0.36 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C | |
| Chloroform | ND | 3.6 | 0.36 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C | |
| Chloromethane | ND | 3.6 | 0.73 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C | |
| cis-1,2-Dichloroethene | ND | 3.6 | 0.36 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C | |
| cis-1,3-Dichloropropene | ND | 3.6 | 0.36 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C | |
| Dibromochloromethane | ND | 3.6 | 0.73 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C | |
| Dibromomethane | ND | 3.6 | 0.73 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C | |
| Dichlorodifluoromethane | ND | 3.6 | 0.36 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C | |
| Ethylbenzene | ND | 3.6 | 0.36 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C | |
| Hexachlorobutadiene | ND | 3.6 | 0.36 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C | |

| Parameter | Result | | RL/ PQL | LOD/ MDL | Units | Dilution | Date/Time | By | |
|---|---|---|---|---|---|---|---|---|---|
| Isopropylbenzene | ND | | 3.6 | 0.36 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C |
| m&p-Xylene | ND | | 3.6 | 0.73 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C |
| Methyl Ethyl Ketone | ND | | 22 | 3.6 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C |
| Methyl t-butyl ether (MTBE) | ND | | 7.3 | 0.73 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C |
| Methylene chloride | ND | | 3.6 | 3.6 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C |
| Naphthalene | ND | | 3.6 | 0.73 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C |
| n-Butylbenzene | ND | | 3.6 | 0.36 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C |
| n-Propylbenzene | ND | | 3.6 | 0.73 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C |
| o-Xylene | ND | | 3.6 | 0.73 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C |
| p-Isopropyltoluene | ND | | 3.6 | 0.36 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C |
| sec-Butylbenzene | ND | | 3.6 | 0.36 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C |
| Styrene | ND | | 3.6 | 0.36 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C |
| tert-Butylbenzene | ND | | 3.6 | 0.36 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C |
| Tetrachloroethene | 2.5 | J | 3.6 | 0.73 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C |
| Tetrahydrofuran (THF) | ND | | 7.3 | 1.8 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C |
| Toluene | ND | | 3.6 | 0.36 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C |
| trans-1,2-Dichloroethene | ND | | 3.6 | 0.36 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C |
| trans-1,3-Dichloropropene | ND | | 3.6 | 0.36 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C |
| trans-1,4-dichloro-2-butene | ND | | 7.3 | 1.8 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C |
| Trichloroethene | ND | | 3.6 | 0.36 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C |
| Trichlorofluoromethane | ND | | 3.6 | 0.73 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C |
| Trichlorotrifluoroethane | ND | | 3.6 | 0.36 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C |
| Vinyl chloride | ND | | 3.6 | 0.36 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C |
| **QA/QC Surrogates** | | | | | | | | | |
| % 1,2-dichlorobenzene-d4 | 101 | | | | % | 1 | 08/05/20 | JLI | 70 - 130 % |
| % Bromofluorobenzene | 99 | | | | % | 1 | 08/05/20 | JLI | 70 - 130 % |
| % Dibromofluoromethane | 94 | | | | % | 1 | 08/05/20 | JLI | 70 - 130 % |
| % Toluene-d8 | 99 | | | | % | 1 | 08/05/20 | JLI | 70 - 130 % |
| **1,4-dioxane** | | | | | | | | | |
| 1,4-dioxane | ND | | 55 | | ug/kg | 1 | 08/05/20 | JLI | SW8260C |
| **QA/QC Surrogates** | | | | | | | | | |
| % 1,2-dichlorobenzene-d4 | 101 | | | | % | 1 | 08/05/20 | JLI | 70 - 130 % |
| % Bromofluorobenzene | 99 | | | | % | 1 | 08/05/20 | JLI | 70 - 130 % |
| % Dibromofluoromethane | 94 | | | | % | 1 | 08/05/20 | JLI | 70 - 130 % |
| % Toluene-d8 | 99 | | | | % | 1 | 08/05/20 | JLI | 70 - 130 % |
| **Volatiles** | | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | | 15 | | ug/Kg | 1 | 08/05/20 | JLI | SW8260C |
| Acrolein | ND | | 1.4 | | ug/Kg | 1 | 08/05/20 | JLI | SW8260C |
| Acrylonitrile | ND | | 15 | | ug/Kg | 1 | 08/05/20 | JLI | SW8260C |
| Tert-butyl alcohol | ND | | 73 | | ug/Kg | 1 | 08/05/20 | JLI | SW8260C |
| **Semivolatiles** | | | | | | | | | |
| 1,2,4,5-Tetrachlorobenzene | ND | | 270 | 140 | ug/Kg | 1 | 08/05/20 | WB | SW8270D |
| 1,2,4-Trichlorobenzene | ND | | 270 | 120 | ug/Kg | 1 | 08/05/20 | WB | SW8270D |
| 1,2-Dichlorobenzene | ND | | 270 | 110 | ug/Kg | 1 | 08/05/20 | WB | SW8270D |
| 1,2-Diphenylhydrazine | ND | | 270 | 130 | ug/Kg | 1 | 08/05/20 | WB | SW8270D |
| 1,3-Dichlorobenzene | ND | | 270 | 110 | ug/Kg | 1 | 08/05/20 | WB | SW8270D |
| 1,4-Dichlorobenzene | ND | | 270 | 110 | ug/Kg | 1 | 08/05/20 | WB | SW8270D |

Project ID: 64 CENTRE AVE, NEW ROCHELLE NY
Client ID: 64B2 FILL

Phoenix I.D.: CG47120

| Parameter | Result | RL/ PQL | LOD/ MDL | Units | Dilution | Date/Time | By | | |
|---|---|---|---|---|---|---|---|---|---|
| 2,4,5-Trichlorophenol | ND | 270 | 210 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| 2,4,6-Trichlorophenol | ND | 190 | 120 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| 2,4-Dichlorophenol | ND | 190 | 140 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| 2,4-Dimethylphenol | ND | 270 | 95 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| 2,4-Dinitrophenol | ND | 270 | 270 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| 2,4-Dinitrotoluene | ND | 190 | 150 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| 2,6-Dinitrotoluene | ND | 190 | 120 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| 2-Chloronaphthalene | ND | 270 | 110 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| 2-Chlorophenol | ND | 270 | 110 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| 2-Methylnaphthalene | ND | 270 | 110 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| 2-Methylphenol (o-cresol) | ND | 270 | 180 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| 2-Nitroaniline | ND | 100 | 100 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| 2-Nitrophenol | ND | 270 | 240 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| 3&4-Methylphenol (m&p-cresol) | ND | 270 | 150 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | 1 |
| 3,3'-Dichlorobenzidine | ND | 190 | 180 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| 3-Nitroaniline | ND | 91 | 91 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| 4,6-Dinitro-2-methylphenol | ND | 230 | 77 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| 4-Bromophenyl phenyl ether | ND | 270 | 110 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| 4-Chloro-3-methylphenol | ND | 270 | 140 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| 4-Chloroaniline | ND | 310 | 180 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| 4-Chlorophenyl phenyl ether | ND | 270 | 130 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| 4-Nitroaniline | ND | 86 | 86 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| 4-Nitrophenol | ND | 380 | 170 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Acenaphthene | ND | 270 | 120 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Acenaphthylene | ND | 270 | 110 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Acetophenone | ND | 270 | 120 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Aniline | ND | 310 | 310 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Anthracene | ND | 270 | 130 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Benz(a)anthracene | ND | 270 | 130 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Benzidine | ND | 340 | 230 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Benzo(a)pyrene | ND | 190 | 130 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Benzo(b)fluoranthene | ND | 270 | 130 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Benzo(ghi)perylene | ND | 270 | 120 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Benzo(k)fluoranthene | ND | 270 | 130 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Benzoic acid | ND | 1900 | 770 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Benzyl butyl phthalate | ND | 270 | 99 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Bis(2-chloroethoxy)methane | ND | 270 | 110 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Bis(2-chloroethyl)ether | ND | 77 | 77 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Bis(2-chloroisopropyl)ether | ND | 270 | 110 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Bis(2-ethylhexyl)phthalate | ND | 270 | 110 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Carbazole | ND | 190 | 150 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Chrysene | ND | 270 | 130 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Dibenz(a,h)anthracene | ND | 190 | 120 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Dibenzofuran | ND | 270 | 110 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Diethyl phthalate | ND | 270 | 120 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Dimethylphthalate | ND | 270 | 120 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Di-n-butylphthalate | ND | 270 | 100 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Di-n-octylphthalate | ND | 270 | 99 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Fluoranthene | ND | 270 | 120 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |

| Parameter | Result | RL/ PQL | LOD/ MDL | Units | Dilution | Date/Time | By | | |
|---|---|---|---|---|---|---|---|---|---|
| Fluorene | ND | 270 | 130 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Hexachlorobenzene | ND | 190 | 110 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Hexachlorobutadiene | ND | 270 | 140 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Hexachlorocyclopentadiene | ND | 270 | 120 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Hexachloroethane | ND | 190 | 120 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Indeno(1,2,3-cd)pyrene | ND | 270 | 130 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Isophorone | ND | 190 | 110 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Naphthalene | ND | 270 | 110 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Nitrobenzene | ND | 190 | 130 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| N-Nitrosodimethylamine | ND | 77 | 77 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| N-Nitrosodi-n-propylamine | ND | 77 | 77 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| N-Nitrosodiphenylamine | ND | 270 | 150 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Pentachloronitrobenzene | ND | 270 | 140 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Pentachlorophenol | ND | 230 | 150 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Phenanthrene | ND | 270 | 110 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Phenol | ND | 270 | 120 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Pyrene | ND | 270 | 130 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Pyridine | ND | 220 | 94 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| **QA/QC Surrogates** | | | | | | | | | |
| % 2,4,6-Tribromophenol | 93 | | | % | 1 | 08/05/20 | WB | 30 - 130 % | |
| % 2-Fluorobiphenyl | 77 | | | % | 1 | 08/05/20 | WB | 30 - 130 % | |
| % 2-Fluorophenol | 78 | | | % | 1 | 08/05/20 | WB | 30 - 130 % | |
| % Nitrobenzene-d5 | 75 | | | % | 1 | 08/05/20 | WB | 30 - 130 % | |
| % Phenol-d5 | 83 | | | % | 1 | 08/05/20 | WB | 30 - 130 % | |
| % Terphenyl-d14 | 86 | | | % | 1 | 08/05/20 | WB | 30 - 130 % | |
| **Additional Semi-Volatile Compounds** | | | | | | | | | |
| 1,1-Biphenyl | ND | 270 | 120 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| 1,2,4,5-Tetrachlorobenzene | ND | 270 | 140 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Atrazine | ND | 130 | 77 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Benzaldehyde | ND | 270 | 110 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Benzo(a)pyrene | ND | 270 | 130 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Caprolactam | ND | 150 | 150 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| **QA/QC Surrogates** | | | | | | | | | |
| % 2,4,6-Tribromophenol | 93 | | | % | 1 | 08/05/20 | WB | 30 - 130 % | |
| % 2-Fluorobiphenyl | 77 | | | % | 1 | 08/05/20 | WB | 30 - 130 % | |
| % 2-Fluorophenol | 78 | | | % | 1 | 08/05/20 | WB | 30 - 130 % | |
| % Nitrobenzene-d5 | 75 | | | % | 1 | 08/05/20 | WB | 30 - 130 % | |
| % Phenol-d5 | 83 | | | % | 1 | 08/05/20 | WB | 30 - 130 % | |
| % Terphenyl-d14 | 86 | | | % | 1 | 08/05/20 | WB | 30 - 130 % | |
| Pyridine | ND | 220 | | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Field Extraction | Completed | | | | | 08/03/20 | | SW5035A | 1 |

| Parameter | Result | RL/ PQL | LOD/ MDL | Units | Dilution | Date/Time | By |
|---|---|---|---|---|---|---|---|

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL
BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

## Comments:

Semi-Volatile Comment:
Due to low QC recoveries the RL/PQL of some compounds have been evaluated below the lowest calibration standard in order account for possible sample bias and meet criteria: 2,4-dintrophenol, 4,6-Dinitro-2-methylphenol, and Benzidine.

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Semi-Volatile Comment:
To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

Hexavalent Chromium:
This sample is in a reducing state.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

**Phyllis Shiller, Laboratory Director**
**August 07, 2020**
**Reviewed and Released by: Greg Lawrence, Assistant Lab Director**

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

# Analysis Report

August 07, 2020

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

| Sample Information | | Custody Information | | Date | Time |
|---|---|---|---|---|---|
| Matrix: | SOIL | Collected by: | DM | 08/03/20 | 11:42 |
| Location Code: | EBC | Received by: | CP | 08/04/20 | 15:52 |
| Rush Request: | 72 Hour | Analyzed by: | see "By" below | | |
| P.O.#: | | | | | |

## Laboratory Data

SDG ID: GCG47119
Phoenix ID: CG47121

Project ID: 64 CENTRE AVE, NEW ROCHELLE NY
Client ID: 64B3 FILL

| Parameter | Result | RL/ PQL | LOD/ MDL | Units | Dilution | Date/Time | By | Reference | |
|---|---|---|---|---|---|---|---|---|---|
| Silver | < 0.36 | 0.36 | | mg/Kg | 1 | 08/05/20 | CPP | SW6010D | |
| Aluminum | 10300 | 36 | | mg/Kg | 10 | 08/05/20 | CPP | SW6010D | |
| Arsenic | 8.02 | 0.72 | | mg/Kg | 1 | 08/05/20 | CPP | SW6010D | |
| Barium | 113 | 0.7 | | mg/Kg | 1 | 08/05/20 | CPP | SW6010D | |
| Beryllium | 0.51 | 0.29 | | mg/Kg | 1 | 08/05/20 | CPP | SW6010D | |
| Calcium | 9950 | 3.6 | | mg/Kg | 1 | 08/05/20 | CPP | SW6010D | |
| Cadmium | 1.13 | 0.36 | | mg/Kg | 1 | 08/05/20 | CPP | SW6010D | |
| Cobalt | 9.56 | 0.36 | | mg/Kg | 1 | 08/05/20 | CPP | SW6010D | |
| Chromium | 29.6 | 0.36 | | mg/Kg | 1 | 08/05/20 | CPP | SW6010D | |
| Copper | 111 | 0.7 | | mg/kg | 1 | 08/05/20 | CPP | SW6010D | |
| Iron | 17400 | 36 | | mg/Kg | 10 | 08/05/20 | CPP | SW6010D | |
| Mercury | 0.53 | 0.07 | | mg/Kg | 5 | 08/05/20 | RS | SW7471B | |
| Potassium | 2300 | 7 | | mg/Kg | 1 | 08/05/20 | CPP | SW6010D | |
| Magnesium | 4810 | 3.6 | | mg/Kg | 1 | 08/05/20 | CPP | SW6010D | |
| Manganese | 278 | 3.6 | | mg/Kg | 10 | 08/05/20 | CPP | SW6010D | |
| Molybdenum | 0.42 | 0.36 | | mg/Kg | 1 | 08/05/20 | CPP | SW6010D | |
| Sodium | 831 | 7 | | mg/Kg | 1 | 08/05/20 | CPP | SW6010D | |
| Nickel | 32.1 | 0.36 | | mg/Kg | 1 | 08/05/20 | CPP | SW6010D | |
| Lead | 275 | 0.7 | | mg/Kg | 1 | 08/05/20 | CPP | SW6010D | |
| Antimony | < 3.6 | 3.6 | | mg/Kg | 1 | 08/05/20 | CPP | SW6010D | |
| Selenium | < 1.4 | 1.4 | | mg/Kg | 1 | 08/05/20 | CPP | SW6010D | |
| Thallium | < 1.4 | 1.4 | | mg/Kg | 1 | 08/05/20 | CPP | SW6010D | |
| Vanadium | 31.1 | 0.36 | | mg/Kg | 1 | 08/05/20 | CPP | SW6010D | |
| Zinc | 133 | 0.7 | | mg/Kg | 1 | 08/05/20 | CPP | SW6010D | |
| Percent Solid | 90 | | | % | | 08/04/20 | HB | SW846-%Solid | |
| **Chromium, Hex. (SW3060 digestion)** | < 0.44 | 0.44 | | mg/Kg | 1 | 08/06/20 | ARG | SW7196A | |
| pH at 25C - Soil | 8.37 | 1.00 | | pH Units | 1 | 08/04/20 22:27 | MB | SW846 9045 | 1 |
| Redox Potential | 340 | | | mV | 1 | 08/04/20 | MB | SM2580B-09 | 1 |

**Ver 1**

Project ID: 64 CENTRE AVE, NEW ROCHELLE NY
Client ID: 64B3 FILL

Phoenix I.D.: CG47121

| Parameter | Result | RL/ PQL | LOD/ MDL | Units | Dilution | Date/Time | By | |
|---|---|---|---|---|---|---|---|---|
| **Total Cyanide (SW9010C Distill.)** | < 0.56 | 0.56 | | mg/Kg | 1 | 08/06/20 | EG | SW9012B |
| Soil Extraction for PCB | Completed | | | | | 08/04/20 | L/E | SW3545A |
| Soil Extraction for Pesticides | Completed | | | | | 08/04/20 | L/E | SW3545A |
| Mercury Digestion | Completed | | | | | 08/05/20 | VT/VT | SW7471B |
| Soil Extraction for SVOA | Completed | | | | | 08/04/20 | R/M | SW3546 |
| Total Metals Digest | Completed | | | | | 08/04/20 | F/AG/BF | SW3050B |
| **Polychlorinated Biphenyls** | | | | | | | | |
| PCB-1016 | ND | 73 | 73 | ug/Kg | 2 | 08/05/20 | SC | SW8082A |
| PCB-1221 | ND | 73 | 73 | ug/Kg | 2 | 08/05/20 | SC | SW8082A |
| PCB-1232 | ND | 73 | 73 | ug/Kg | 2 | 08/05/20 | SC | SW8082A |
| PCB-1242 | ND | 73 | 73 | ug/Kg | 2 | 08/05/20 | SC | SW8082A |
| PCB-1248 | ND | 73 | 73 | ug/Kg | 2 | 08/05/20 | SC | SW8082A |
| PCB-1254 | ND | 73 | 73 | ug/Kg | 2 | 08/05/20 | SC | SW8082A |
| PCB-1260 | ND | 73 | 73 | ug/Kg | 2 | 08/05/20 | SC | SW8082A |
| PCB-1262 | ND | 73 | 73 | ug/Kg | 2 | 08/05/20 | SC | SW8082A |
| PCB-1268 | ND | 73 | 73 | ug/Kg | 2 | 08/05/20 | SC | SW8082A |
| **QA/QC Surrogates** | | | | | | | | |
| % DCBP | 74 | | | % | 2 | 08/05/20 | SC | 30 - 150 % |
| % DCBP (Confirmation) | 69 | | | % | 2 | 08/05/20 | SC | 30 - 150 % |
| % TCMX | 71 | | | % | 2 | 08/05/20 | SC | 30 - 150 % |
| % TCMX (Confirmation) | 73 | | | % | 2 | 08/05/20 | SC | 30 - 150 % |
| **Pesticides - Soil** | | | | | | | | |
| 4,4' -DDD | ND | 2.2 | | ug/Kg | 2 | 08/05/20 | CG | SW8081B |
| 4,4' -DDE | ND | 2.2 | | ug/Kg | 2 | 08/05/20 | CG | SW8081B |
| 4,4' -DDT | ND | 2.2 | | ug/Kg | 2 | 08/05/20 | CG | SW8081B |
| a-BHC | ND | 7.3 | | ug/Kg | 2 | 08/05/20 | CG | SW8081B |
| a-Chlordane | ND | 3.6 | | ug/Kg | 2 | 08/05/20 | CG | SW8081B |
| Aldrin | ND | 3.6 | | ug/Kg | 2 | 08/05/20 | CG | SW8081B |
| b-BHC | ND | 7.3 | | ug/Kg | 2 | 08/05/20 | CG | SW8081B |
| Chlordane | ND | 36 | | ug/Kg | 2 | 08/05/20 | CG | SW8081B |
| d-BHC | ND | 7.3 | | ug/Kg | 2 | 08/05/20 | CG | SW8081B |
| Dieldrin | ND | 3.6 | | ug/Kg | 2 | 08/05/20 | CG | SW8081B |
| Endosulfan I | ND | 7.3 | | ug/Kg | 2 | 08/05/20 | CG | SW8081B |
| Endosulfan II | ND | 7.3 | | ug/Kg | 2 | 08/05/20 | CG | SW8081B |
| Endosulfan sulfate | ND | 7.3 | | ug/Kg | 2 | 08/05/20 | CG | SW8081B |
| Endrin | ND | 7.3 | | ug/Kg | 2 | 08/05/20 | CG | SW8081B |
| Endrin aldehyde | ND | 7.3 | | ug/Kg | 2 | 08/05/20 | CG | SW8081B |
| Endrin ketone | ND | 7.3 | | ug/Kg | 2 | 08/05/20 | CG | SW8081B |
| g-BHC | ND | 1.5 | | ug/Kg | 2 | 08/05/20 | CG | SW8081B |
| g-Chlordane | ND | 3.6 | | ug/Kg | 2 | 08/05/20 | CG | SW8081B |
| Heptachlor | ND | 7.3 | | ug/Kg | 2 | 08/05/20 | CG | SW8081B |
| Heptachlor epoxide | ND | 7.3 | | ug/Kg | 2 | 08/05/20 | CG | SW8081B |
| Methoxychlor | ND | 36 | | ug/Kg | 2 | 08/05/20 | CG | SW8081B |
| Toxaphene | ND | 150 | | ug/Kg | 2 | 08/05/20 | CG | SW8081B |
| **QA/QC Surrogates** | | | | | | | | |
| % DCBP | 54 | | | % | 2 | 08/05/20 | CG | 30 - 150 % |
| % DCBP (Confirmation) | 58 | | | % | 2 | 08/05/20 | CG | 30 - 150 % |
| % TCMX | 61 | | | % | 2 | 08/05/20 | CG | 30 - 150 % |

**Ver 1**

Project ID: 64 CENTRE AVE, NEW ROCHELLE NY
Client ID: 64B3 FILL

Phoenix I.D.: CG47121

| Parameter | Result | | RL/ PQL | LOD/ MDL | Units | Dilution | Date/Time | By | | |
|---|---|---|---|---|---|---|---|---|---|---|
| % TCMX (Confirmation) | 59 | | | | % | 2 | 08/05/20 | CG | 30 - 150 % | |
| **Volatiles** | | | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | | 5.2 | 1.0 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C | |
| 1,1,1-Trichloroethane | ND | | 5.2 | 0.52 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C | |
| 1,1,2,2-Tetrachloroethane | ND | | 5.2 | 1.0 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C | |
| 1,1,2-Trichloroethane | ND | | 5.2 | 1.0 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C | |
| 1,1-Dichloroethane | ND | | 5.2 | 1.0 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C | |
| 1,1-Dichloroethene | ND | | 5.2 | 0.52 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C | |
| 1,1-Dichloropropene | ND | | 5.2 | 0.52 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C | |
| 1,2,3-Trichlorobenzene | ND | | 5.2 | 1.0 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C | |
| 1,2,3-Trichloropropane | ND | | 5.2 | 0.52 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C | |
| 1,2,4-Trichlorobenzene | ND | | 5.2 | 1.0 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C | |
| 1,2,4-Trimethylbenzene | 170 | | 120 | 30 | ug/Kg | 50 | 08/06/20 | JLI | SW8260C | |
| 1,2-Dibromo-3-chloropropane | ND | | 5.2 | 1.0 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C | |
| 1,2-Dibromoethane | ND | | 1.2 | 0.52 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C | |
| 1,2-Dichlorobenzene | ND | | 5.2 | 0.52 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C | |
| 1,2-Dichloroethane | ND | | 5.2 | 0.52 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C | |
| 1,2-Dichloropropane | ND | | 5.2 | 1.0 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C | |
| 1,3,5-Trimethylbenzene | 92 | J | 300 | 30 | ug/Kg | 50 | 08/06/20 | JLI | SW8260C | |
| 1,3-Dichlorobenzene | ND | | 5.2 | 0.52 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C | |
| 1,3-Dichloropropane | ND | | 5.2 | 1.0 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C | |
| 1,4-Dichlorobenzene | ND | | 5.2 | 0.52 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C | |
| 2,2-Dichloropropane | ND | | 5.2 | 0.52 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C | |
| 2-Chlorotoluene | ND | | 5.2 | 1.0 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C | |
| 2-Hexanone | ND | | 26 | 5.2 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C | |
| 2-Isopropyltoluene | ND | | 5.2 | 0.52 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C | 1 |
| 4-Chlorotoluene | ND | | 5.2 | 0.52 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C | |
| 4-Methyl-2-pentanone | ND | | 26 | 5.2 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C | |
| Acetone | ND | | 26 | 5.2 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C | |
| Acrylonitrile | ND | | 10 | 1.0 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C | |
| Benzene | 3100 | | 300 | 30 | ug/Kg | 50 | 08/06/20 | JLI | SW8260C | |
| Bromobenzene | ND | | 5.2 | 0.52 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C | |
| Bromochloromethane | ND | | 5.2 | 0.52 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C | |
| Bromodichloromethane | ND | | 5.2 | 1.0 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C | |
| Bromoform | ND | | 5.2 | 1.0 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C | |
| Bromomethane | ND | | 5.2 | 2.1 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C | |
| Carbon Disulfide | ND | | 5.2 | 1.0 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C | |
| Carbon tetrachloride | ND | | 5.2 | 1.0 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C | |
| Chlorobenzene | ND | | 5.2 | 0.52 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C | |
| Chloroethane | ND | | 5.2 | 0.52 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C | |
| Chloroform | ND | | 5.2 | 0.52 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C | |
| Chloromethane | ND | | 5.2 | 1.0 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C | |
| cis-1,2-Dichloroethene | ND | | 5.2 | 0.52 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C | |
| cis-1,3-Dichloropropene | ND | | 5.2 | 0.52 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C | |
| Dibromochloromethane | ND | | 5.2 | 1.0 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C | |
| Dibromomethane | ND | | 5.2 | 1.0 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C | |
| Dichlorodifluoromethane | ND | | 5.2 | 0.52 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C | |
| Ethylbenzene | 280 | | 240 | 30 | ug/Kg | 50 | 08/06/20 | JLI | SW8260C | |
| Hexachlorobutadiene | ND | | 5.2 | 0.52 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C | |

Project ID: 64 CENTRE AVE, NEW ROCHELLE NY
Client ID: 64B3 FILL

Phoenix I.D.: CG47121

| Parameter | Result | RL/ PQL | LOD/ MDL | Units | Dilution | Date/Time | By | |
|---|---|---|---|---|---|---|---|---|
| Isopropylbenzene | ND | 5.2 | 0.52 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C |
| m&p-Xylene | 580 | 300 | 60 | ug/Kg | 50 | 08/06/20 | JLI | SW8260C |
| Methyl Ethyl Ketone | ND | 31 | 5.2 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C |
| Methyl t-butyl ether (MTBE) | ND | 10 | 1.0 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C |
| Methylene chloride | ND | 5.2 | 5.2 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C |
| Naphthalene | ND | 5.2 | 1.0 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C |
| n-Butylbenzene | ND | 5.2 | 0.52 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C |
| n-Propylbenzene | ND | 5.2 | 1.0 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C |
| o-Xylene | 200 | 180 | 60 | ug/Kg | 50 | 08/06/20 | JLI | SW8260C |
| p-Isopropyltoluene | ND | 5.2 | 0.52 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C |
| sec-Butylbenzene | ND | 5.2 | 0.52 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C |
| Styrene | ND | 5.2 | 0.52 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C |
| tert-Butylbenzene | ND | 5.2 | 0.52 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C |
| Tetrachloroethene | ND | 5.2 | 1.0 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C |
| Tetrahydrofuran (THF) | ND | 10 | 2.6 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C |
| Toluene | 1500 | 300 | 30 | ug/Kg | 50 | 08/06/20 | JLI | SW8260C |
| trans-1,2-Dichloroethene | ND | 5.2 | 0.52 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C |
| trans-1,3-Dichloropropene | ND | 5.2 | 0.52 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C |
| trans-1,4-dichloro-2-butene | ND | 10 | 2.6 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C |
| Trichloroethene | ND | 5.2 | 0.52 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C |
| Trichlorofluoromethane | ND | 5.2 | 1.0 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C |
| Trichlorotrifluoroethane | ND | 5.2 | 0.52 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C |
| Vinyl chloride | ND | 5.2 | 0.52 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C |
| **QA/QC Surrogates** | | | | | | | | |
| % 1,2-dichlorobenzene-d4 | 104 | | | % | 1 | 08/05/20 | JLI | 70 - 130 % |
| % Bromofluorobenzene | 87 | | | % | 1 | 08/05/20 | JLI | 70 - 130 % |
| % Dibromofluoromethane | 90 | | | % | 1 | 08/05/20 | JLI | 70 - 130 % |
| % Toluene-d8 | 95 | | | % | 1 | 08/05/20 | JLI | 70 - 130 % |
| % 1,2-dichlorobenzene-d4 (50x) | 100 | | | % | 50 | 08/06/20 | JLI | 70 - 130 % |
| % Bromofluorobenzene (50x) | 97 | | | % | 50 | 08/06/20 | JLI | 70 - 130 % |
| % Dibromofluoromethane (50x) | 86 | | | % | 50 | 08/06/20 | JLI | 70 - 130 % |
| % Toluene-d8 (50x) | 99 | | | % | 50 | 08/06/20 | JLI | 70 - 130 % |
| **1,4-dioxane** | | | | | | | | |
| 1,4-dioxane | ND | 78 | | ug/kg | 1 | 08/05/20 | JLI | SW8260C |
| **QA/QC Surrogates** | | | | | | | | |
| % 1,2-dichlorobenzene-d4 | 104 | | | % | 1 | 08/05/20 | JLI | 70 - 130 % |
| % Bromofluorobenzene | 87 | | | % | 1 | 08/05/20 | JLI | 70 - 130 % |
| % Dibromofluoromethane | 90 | | | % | 1 | 08/05/20 | JLI | 70 - 130 % |
| % Toluene-d8 | 95 | | | % | 1 | 08/05/20 | JLI | 70 - 130 % |
| **Volatiles** | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | 21 | | ug/Kg | 1 | 08/05/20 | JLI | SW8260C |
| Acrolein | ND | 1.4 | | ug/Kg | 1 | 08/05/20 | JLI | SW8260C |
| Acrylonitrile | ND | 21 | | ug/Kg | 1 | 08/05/20 | JLI | SW8260C |
| Tert-butyl alcohol | ND | 100 | | ug/Kg | 1 | 08/05/20 | JLI | SW8260C |
| **Semivolatiles** | | | | | | | | |
| 1,2,4,5-Tetrachlorobenzene | ND | 260 | 130 | ug/Kg | 1 | 08/05/20 | WB | SW8270D |
| 1,2,4-Trichlorobenzene | ND | 260 | 110 | ug/Kg | 1 | 08/05/20 | WB | SW8270D |

Project ID: 64 CENTRE AVE, NEW ROCHELLE NY
Client ID: 64B3 FILL

Phoenix I.D.: CG47121

| Parameter | Result | | RL/ PQL | LOD/ MDL | Units | Dilution | Date/Time | By | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,2-Dichlorobenzene | ND | | 260 | 100 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| 1,2-Diphenylhydrazine | ND | | 260 | 120 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| 1,3-Dichlorobenzene | ND | | 260 | 110 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| 1,4-Dichlorobenzene | ND | | 260 | 110 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| 2,4,5-Trichlorophenol | ND | | 260 | 200 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| 2,4,6-Trichlorophenol | ND | | 180 | 120 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| 2,4-Dichlorophenol | ND | | 180 | 130 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| 2,4-Dimethylphenol | ND | | 260 | 91 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| 2,4-Dinitrophenol | ND | | 260 | 260 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| 2,4-Dinitrotoluene | ND | | 180 | 140 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| 2,6-Dinitrotoluene | ND | | 180 | 120 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| 2-Chloronaphthalene | ND | | 260 | 100 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| 2-Chlorophenol | ND | | 260 | 100 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| 2-Methylnaphthalene | ND | | 260 | 110 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| 2-Methylphenol (o-cresol) | ND | | 260 | 170 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| 2-Nitroaniline | ND | | 100 | 100 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| 2-Nitrophenol | ND | | 260 | 230 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| 3&4-Methylphenol (m&p-cresol) | ND | | 260 | 140 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | 1 |
| 3,3'-Dichlorobenzidine | ND | | 180 | 170 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| 3-Nitroaniline | ND | | 91 | 91 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| 4,6-Dinitro-2-methylphenol | ND | | 220 | 73 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| 4-Bromophenyl phenyl ether | ND | | 260 | 110 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| 4-Chloro-3-methylphenol | ND | | 260 | 130 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| 4-Chloroaniline | ND | | 290 | 170 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| 4-Chlorophenyl phenyl ether | ND | | 260 | 120 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| 4-Nitroaniline | ND | | 86 | 86 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| 4-Nitrophenol | ND | | 370 | 170 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Acenaphthene | ND | | 260 | 110 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Acenaphthylene | ND | | 260 | 100 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Acetophenone | ND | | 260 | 110 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Aniline | ND | | 290 | 290 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Anthracene | 150 | J | 260 | 120 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Benz(a)anthracene | 330 | | 260 | 120 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Benzidine | ND | | 340 | 220 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Benzo(a)pyrene | 300 | | 180 | 120 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Benzo(b)fluoranthene | 280 | | 260 | 130 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Benzo(ghi)perylene | 200 | J | 260 | 120 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Benzo(k)fluoranthene | 240 | J | 260 | 120 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Benzoic acid | ND | | 1800 | 730 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Benzyl butyl phthalate | ND | | 260 | 95 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Bis(2-chloroethoxy)methane | ND | | 260 | 100 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Bis(2-chloroethyl)ether | ND | | 73 | 73 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Bis(2-chloroisopropyl)ether | ND | | 260 | 100 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Bis(2-ethylhexyl)phthalate | ND | | 260 | 110 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Carbazole | ND | | 180 | 150 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Chrysene | 340 | | 260 | 120 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Dibenz(a,h)anthracene | ND | | 180 | 120 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Dibenzofuran | ND | | 260 | 110 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Diethyl phthalate | ND | | 260 | 120 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |

Project ID: 64 CENTRE AVE, NEW ROCHELLE NY
Client ID: 64B3 FILL

Phoenix I.D.: CG47121

| Parameter | Result | | RL/ PQL | LOD/ MDL | Units | Dilution | Date/Time | By | |
|---|---|---|---|---|---|---|---|---|---|
| Dimethylphthalate | ND | | 260 | 110 | ug/Kg | 1 | 08/05/20 | WB | SW8270D |
| Di-n-butylphthalate | ND | | 260 | 97 | ug/Kg | 1 | 08/05/20 | WB | SW8270D |
| Di-n-octylphthalate | ND | | 260 | 95 | ug/Kg | 1 | 08/05/20 | WB | SW8270D |
| Fluoranthene | 620 | | 260 | 120 | ug/Kg | 1 | 08/05/20 | WB | SW8270D |
| Fluorene | ND | | 260 | 120 | ug/Kg | 1 | 08/05/20 | WB | SW8270D |
| Hexachlorobenzene | ND | | 180 | 110 | ug/Kg | 1 | 08/05/20 | WB | SW8270D |
| Hexachlorobutadiene | ND | | 260 | 130 | ug/Kg | 1 | 08/05/20 | WB | SW8270D |
| Hexachlorocyclopentadiene | ND | | 260 | 110 | ug/Kg | 1 | 08/05/20 | WB | SW8270D |
| Hexachloroethane | ND | | 180 | 110 | ug/Kg | 1 | 08/05/20 | WB | SW8270D |
| Indeno(1,2,3-cd)pyrene | 200 | J | 260 | 120 | ug/Kg | 1 | 08/05/20 | WB | SW8270D |
| Isophorone | ND | | 180 | 100 | ug/Kg | 1 | 08/05/20 | WB | SW8270D |
| Naphthalene | ND | | 260 | 110 | ug/Kg | 1 | 08/05/20 | WB | SW8270D |
| Nitrobenzene | ND | | 180 | 130 | ug/Kg | 1 | 08/05/20 | WB | SW8270D |
| N-Nitrosodimethylamine | ND | | 73 | 73 | ug/Kg | 1 | 08/05/20 | WB | SW8270D |
| N-Nitrosodi-n-propylamine | ND | | 73 | 73 | ug/Kg | 1 | 08/05/20 | WB | SW8270D |
| N-Nitrosodiphenylamine | ND | | 260 | 140 | ug/Kg | 1 | 08/05/20 | WB | SW8270D |
| Pentachloronitrobenzene | ND | | 260 | 140 | ug/Kg | 1 | 08/05/20 | WB | SW8270D |
| Pentachlorophenol | ND | | 220 | 140 | ug/Kg | 1 | 08/05/20 | WB | SW8270D |
| Phenanthrene | 550 | | 260 | 100 | ug/Kg | 1 | 08/05/20 | WB | SW8270D |
| Phenol | ND | | 260 | 120 | ug/Kg | 1 | 08/05/20 | WB | SW8270D |
| Pyrene | 510 | | 260 | 130 | ug/Kg | 1 | 08/05/20 | WB | SW8270D |
| Pyridine | ND | | 220 | 90 | ug/Kg | 1 | 08/05/20 | WB | SW8270D |
| **QA/QC Surrogates** | | | | | | | | | |
| % 2,4,6-Tribromophenol | 77 | | | | % | 1 | 08/05/20 | WB | 30 - 130 % |
| % 2-Fluorobiphenyl | 75 | | | | % | 1 | 08/05/20 | WB | 30 - 130 % |
| % 2-Fluorophenol | 67 | | | | % | 1 | 08/05/20 | WB | 30 - 130 % |
| % Nitrobenzene-d5 | 75 | | | | % | 1 | 08/05/20 | WB | 30 - 130 % |
| % Phenol-d5 | 75 | | | | % | 1 | 08/05/20 | WB | 30 - 130 % |
| % Terphenyl-d14 | 81 | | | | % | 1 | 08/05/20 | WB | 30 - 130 % |
| **Additional Semi-Volatile Compounds** | | | | | | | | | |
| 1,1-Biphenyl | ND | | 260 | 110 | ug/Kg | 1 | 08/05/20 | WB | SW8270D |
| 1,2,4,5-Tetrachlorobenzene | ND | | 260 | 130 | ug/Kg | 1 | 08/05/20 | WB | SW8270D |
| Atrazine | ND | | 130 | 73 | ug/Kg | 1 | 08/05/20 | WB | SW8270D |
| Benzaldehyde | ND | | 260 | 110 | ug/Kg | 1 | 08/05/20 | WB | SW8270D |
| Benzo(a)pyrene | 300 | | 260 | 120 | ug/Kg | 1 | 08/05/20 | WB | SW8270D |
| Caprolactam | ND | | 150 | 150 | ug/Kg | 1 | 08/05/20 | WB | SW8270D |
| **QA/QC Surrogates** | | | | | | | | | |
| % 2,4,6-Tribromophenol | 77 | | | | % | 1 | 08/05/20 | WB | 30 - 130 % |
| % 2-Fluorobiphenyl | 75 | | | | % | 1 | 08/05/20 | WB | 30 - 130 % |
| % 2-Fluorophenol | 67 | | | | % | 1 | 08/05/20 | WB | 30 - 130 % |
| % Nitrobenzene-d5 | 75 | | | | % | 1 | 08/05/20 | WB | 30 - 130 % |
| % Phenol-d5 | 75 | | | | % | 1 | 08/05/20 | WB | 30 - 130 % |
| % Terphenyl-d14 | 81 | | | | % | 1 | 08/05/20 | WB | 30 - 130 % |
| Pyridine | ND | | 220 | | ug/Kg | 1 | 08/05/20 | WB | SW8270D |
| Field Extraction | Completed | | | | | | 08/03/20 | | SW5035A [1] |

**Ver 1**

| Parameter | Result | RL/ PQL | LOD/ MDL | Units | Dilution | Date/Time | By |
|---|---|---|---|---|---|---|---|

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL
BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

## Comments:

Semi-Volatile Comment:
Due to low QC recoveries the RL/PQL of some compounds have been evaluated below the lowest calibration standard in order account for possible sample bias and meet criteria: 2,4-dintrophenol, 4,6-Dinitro-2-methylphenol, and Benzidine.

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Semi-Volatile Comment:
To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

Hexavalent Chromium:
This sample is in a reducing state.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

**Phyllis Shiller, Laboratory Director**
**August 07, 2020**
**Reviewed and Released by: Greg Lawrence, Assistant Lab Director**

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

# Analysis Report

August 07, 2020

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

| Sample Information | | Custody Information | | Date | Time |
|---|---|---|---|---|---|
| Matrix: | SOIL | Collected by: | DM | 08/03/20 | 11:58 |
| Location Code: | EBC | Received by: | CP | 08/04/20 | 15:52 |
| Rush Request: | 72 Hour | Analyzed by: | see "By" below | | |
| P.O.#: | | | | | |

## Laboratory Data

SDG ID: GCG47119
Phoenix ID: CG47122

Project ID: 64 CENTRE AVE, NEW ROCHELLE NY
Client ID: 64B4 FILL

| Parameter | Result | RL/ PQL | LOD/ MDL | Units | Dilution | Date/Time | By | Reference | |
|---|---|---|---|---|---|---|---|---|---|
| Silver | < 0.34 | 0.34 | | mg/Kg | 1 | 08/05/20 | CPP | SW6010D | |
| Aluminum | 12000 | 34 | | mg/Kg | 10 | 08/05/20 | CPP | SW6010D | |
| Arsenic | 6.73 | 0.69 | | mg/Kg | 1 | 08/05/20 | CPP | SW6010D | |
| Barium | 141 | 0.7 | | mg/Kg | 1 | 08/05/20 | CPP | SW6010D | |
| Beryllium | 0.44 | 0.27 | | mg/Kg | 1 | 08/05/20 | CPP | SW6010D | |
| Calcium | 8130 | 3.4 | | mg/Kg | 1 | 08/05/20 | CPP | SW6010D | |
| Cadmium | 0.94 | 0.34 | | mg/Kg | 1 | 08/05/20 | CPP | SW6010D | |
| Cobalt | 10.0 | 0.34 | | mg/Kg | 1 | 08/05/20 | CPP | SW6010D | |
| Chromium | 25.4 | 0.34 | | mg/Kg | 1 | 08/05/20 | CPP | SW6010D | |
| Copper | 37.3 | 0.7 | | mg/kg | 1 | 08/05/20 | CPP | SW6010D | |
| Iron | 18300 | 34 | | mg/Kg | 10 | 08/05/20 | CPP | SW6010D | |
| Mercury | 1.17 | 0.07 | | mg/Kg | 5 | 08/05/20 | RS | SW7471B | |
| Potassium | 2160 | 7 | | mg/Kg | 1 | 08/05/20 | CPP | SW6010D | |
| Magnesium | 5690 | 34 | | mg/Kg | 10 | 08/05/20 | CPP | SW6010D | |
| Manganese | 212 | 3.4 | | mg/Kg | 10 | 08/05/20 | CPP | SW6010D | |
| Molybdenum | < 0.34 | 0.34 | | mg/Kg | 1 | 08/05/20 | CPP | SW6010D | |
| Sodium | 427 | 7 | | mg/Kg | 1 | 08/05/20 | CPP | SW6010D | |
| Nickel | 34.2 | 0.34 | | mg/Kg | 1 | 08/05/20 | CPP | SW6010D | |
| Lead | 191 | 0.7 | | mg/Kg | 1 | 08/05/20 | CPP | SW6010D | |
| Antimony | < 3.4 | 3.4 | | mg/Kg | 1 | 08/05/20 | CPP | SW6010D | |
| Selenium | < 1.4 | 1.4 | | mg/Kg | 1 | 08/05/20 | CPP | SW6010D | |
| Thallium | < 1.4 | 1.4 | | mg/Kg | 1 | 08/05/20 | CPP | SW6010D | |
| Vanadium | 31.6 | 0.34 | | mg/Kg | 1 | 08/05/20 | CPP | SW6010D | |
| Zinc | 102 | 0.7 | | mg/Kg | 1 | 08/05/20 | CPP | SW6010D | |
| Percent Solid | 90 | | | % | | 08/04/20 | HB | SW846-%Solid | |
| **Chromium, Hex. (SW3060 digestion)** | < 0.42 | 0.42 | | mg/Kg | 1 | 08/06/20 | ARG | SW7196A | |
| pH at 25C - Soil | 8.02 | 1.00 | | pH Units | 1 | 08/04/20 22:27 | MB | SW846 9045 | 1 |
| Redox Potential | 231 | | | mV | 1 | 08/04/20 | MB | SM2580B-09 | 1 |

**Ver 1**

Project ID: 64 CENTRE AVE, NEW ROCHELLE NY
Client ID: 64B4 FILL

Phoenix I.D.: CG47122

| Parameter | Result | RL/ PQL | LOD/ MDL | Units | Dilution | Date/Time | By | |
|---|---|---|---|---|---|---|---|---|
| **Total Cyanide (SW9010C Distill.)** | < 0.51 | 0.51 | | mg/Kg | 1 | 08/06/20 | EG | SW9012B |
| Soil Extraction for PCB | Completed | | | | | 08/04/20 | L/E | SW3545A |
| Soil Extraction for Pesticides | Completed | | | | | 08/04/20 | L/E | SW3545A |
| Mercury Digestion | Completed | | | | | 08/05/20 | VT/VT | SW7471B |
| Soil Extraction for SVOA | Completed | | | | | 08/04/20 | R/M | SW3546 |
| Total Metals Digest | Completed | | | | | 08/04/20 | F/AG/BF | SW3050B |
| **Polychlorinated Biphenyls** | | | | | | | | |
| PCB-1016 | ND | 73 | 73 | ug/Kg | 2 | 08/06/20 | SC | SW8082A |
| PCB-1221 | ND | 73 | 73 | ug/Kg | 2 | 08/06/20 | SC | SW8082A |
| PCB-1232 | ND | 73 | 73 | ug/Kg | 2 | 08/06/20 | SC | SW8082A |
| PCB-1242 | ND | 73 | 73 | ug/Kg | 2 | 08/06/20 | SC | SW8082A |
| PCB-1248 | ND | 73 | 73 | ug/Kg | 2 | 08/06/20 | SC | SW8082A |
| PCB-1254 | ND | 73 | 73 | ug/Kg | 2 | 08/06/20 | SC | SW8082A |
| PCB-1260 | ND | 73 | 73 | ug/Kg | 2 | 08/06/20 | SC | SW8082A |
| PCB-1262 | ND | 73 | 73 | ug/Kg | 2 | 08/06/20 | SC | SW8082A |
| PCB-1268 | ND | 73 | 73 | ug/Kg | 2 | 08/06/20 | SC | SW8082A |
| **QA/QC Surrogates** | | | | | | | | |
| % DCBP | 66 | | | % | 2 | 08/06/20 | SC | 30 - 150 % |
| % DCBP (Confirmation) | 69 | | | % | 2 | 08/06/20 | SC | 30 - 150 % |
| % TCMX | 67 | | | % | 2 | 08/06/20 | SC | 30 - 150 % |
| % TCMX (Confirmation) | 67 | | | % | 2 | 08/06/20 | SC | 30 - 150 % |
| **Pesticides - Soil** | | | | | | | | |
| 4,4' -DDD | ND | 2.2 | | ug/Kg | 2 | 08/05/20 | CG | SW8081B |
| 4,4' -DDE | ND | 2.2 | | ug/Kg | 2 | 08/05/20 | CG | SW8081B |
| 4,4' -DDT | ND | 2.2 | | ug/Kg | 2 | 08/05/20 | CG | SW8081B |
| a-BHC | ND | 7.3 | | ug/Kg | 2 | 08/05/20 | CG | SW8081B |
| a-Chlordane | ND | 3.6 | | ug/Kg | 2 | 08/05/20 | CG | SW8081B |
| Aldrin | ND | 3.6 | | ug/Kg | 2 | 08/05/20 | CG | SW8081B |
| b-BHC | ND | 7.3 | | ug/Kg | 2 | 08/05/20 | CG | SW8081B |
| Chlordane | ND | 36 | | ug/Kg | 2 | 08/05/20 | CG | SW8081B |
| d-BHC | ND | 7.3 | | ug/Kg | 2 | 08/05/20 | CG | SW8081B |
| Dieldrin | ND | 3.6 | | ug/Kg | 2 | 08/05/20 | CG | SW8081B |
| Endosulfan I | ND | 7.3 | | ug/Kg | 2 | 08/05/20 | CG | SW8081B |
| Endosulfan II | ND | 7.3 | | ug/Kg | 2 | 08/05/20 | CG | SW8081B |
| Endosulfan sulfate | ND | 7.3 | | ug/Kg | 2 | 08/05/20 | CG | SW8081B |
| Endrin | ND | 7.3 | | ug/Kg | 2 | 08/05/20 | CG | SW8081B |
| Endrin aldehyde | ND | 7.3 | | ug/Kg | 2 | 08/05/20 | CG | SW8081B |
| Endrin ketone | ND | 7.3 | | ug/Kg | 2 | 08/05/20 | CG | SW8081B |
| g-BHC | ND | 1.5 | | ug/Kg | 2 | 08/05/20 | CG | SW8081B |
| g-Chlordane | ND | 3.6 | | ug/Kg | 2 | 08/05/20 | CG | SW8081B |
| Heptachlor | ND | 7.3 | | ug/Kg | 2 | 08/05/20 | CG | SW8081B |
| Heptachlor epoxide | ND | 7.3 | | ug/Kg | 2 | 08/05/20 | CG | SW8081B |
| Methoxychlor | ND | 36 | | ug/Kg | 2 | 08/05/20 | CG | SW8081B |
| Toxaphene | ND | 150 | | ug/Kg | 2 | 08/05/20 | CG | SW8081B |
| **QA/QC Surrogates** | | | | | | | | |
| % DCBP | 70 | | | % | 2 | 08/05/20 | CG | 30 - 150 % |
| % DCBP (Confirmation) | 68 | | | % | 2 | 08/05/20 | CG | 30 - 150 % |
| % TCMX | 56 | | | % | 2 | 08/05/20 | CG | 30 - 150 % |

**Ver 1**

Project ID: 64 CENTRE AVE, NEW ROCHELLE NY
Client ID: 64B4 FILL

Phoenix I.D.: CG47122

| Parameter | Result | RL/ PQL | LOD/ MDL | Units | Dilution | Date/Time | By | | |
|---|---|---|---|---|---|---|---|---|---|
| % TCMX (Confirmation) | 57 | | | % | 2 | 08/05/20 | CG | 30 - 150 % | |
| **Volatiles** | | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | 5.1 | 1.0 | ug/Kg | 1 | 08/06/20 | JLI | SW8260C | |
| 1,1,1-Trichloroethane | ND | 5.1 | 0.51 | ug/Kg | 1 | 08/06/20 | JLI | SW8260C | |
| 1,1,2,2-Tetrachloroethane | ND | 5.1 | 1.0 | ug/Kg | 1 | 08/06/20 | JLI | SW8260C | |
| 1,1,2-Trichloroethane | ND | 5.1 | 1.0 | ug/Kg | 1 | 08/06/20 | JLI | SW8260C | |
| 1,1-Dichloroethane | ND | 5.1 | 1.0 | ug/Kg | 1 | 08/06/20 | JLI | SW8260C | |
| 1,1-Dichloroethene | ND | 5.1 | 0.51 | ug/Kg | 1 | 08/06/20 | JLI | SW8260C | |
| 1,1-Dichloropropene | ND | 5.1 | 0.51 | ug/Kg | 1 | 08/06/20 | JLI | SW8260C | |
| 1,2,3-Trichlorobenzene | ND | 5.1 | 1.0 | ug/Kg | 1 | 08/06/20 | JLI | SW8260C | |
| 1,2,3-Trichloropropane | ND | 5.1 | 0.51 | ug/Kg | 1 | 08/06/20 | JLI | SW8260C | |
| 1,2,4-Trichlorobenzene | ND | 5.1 | 1.0 | ug/Kg | 1 | 08/06/20 | JLI | SW8260C | |
| 1,2,4-Trimethylbenzene | ND | 5.1 | 0.51 | ug/Kg | 1 | 08/06/20 | JLI | SW8260C | |
| 1,2-Dibromo-3-chloropropane | ND | 5.1 | 1.0 | ug/Kg | 1 | 08/06/20 | JLI | SW8260C | |
| 1,2-Dibromoethane | ND | 1.2 | 0.51 | ug/Kg | 1 | 08/06/20 | JLI | SW8260C | |
| 1,2-Dichlorobenzene | ND | 5.1 | 0.51 | ug/Kg | 1 | 08/06/20 | JLI | SW8260C | |
| 1,2-Dichloroethane | ND | 5.1 | 0.51 | ug/Kg | 1 | 08/06/20 | JLI | SW8260C | |
| 1,2-Dichloropropane | ND | 5.1 | 1.0 | ug/Kg | 1 | 08/06/20 | JLI | SW8260C | |
| 1,3,5-Trimethylbenzene | ND | 5.1 | 0.51 | ug/Kg | 1 | 08/06/20 | JLI | SW8260C | |
| 1,3-Dichlorobenzene | ND | 5.1 | 0.51 | ug/Kg | 1 | 08/06/20 | JLI | SW8260C | |
| 1,3-Dichloropropane | ND | 5.1 | 1.0 | ug/Kg | 1 | 08/06/20 | JLI | SW8260C | |
| 1,4-Dichlorobenzene | ND | 5.1 | 0.51 | ug/Kg | 1 | 08/06/20 | JLI | SW8260C | |
| 2,2-Dichloropropane | ND | 5.1 | 0.51 | ug/Kg | 1 | 08/06/20 | JLI | SW8260C | |
| 2-Chlorotoluene | ND | 5.1 | 1.0 | ug/Kg | 1 | 08/06/20 | JLI | SW8260C | |
| 2-Hexanone | ND | 25 | 5.1 | ug/Kg | 1 | 08/06/20 | JLI | SW8260C | |
| 2-Isopropyltoluene | ND | 5.1 | 0.51 | ug/Kg | 1 | 08/06/20 | JLI | SW8260C | 1 |
| 4-Chlorotoluene | ND | 5.1 | 0.51 | ug/Kg | 1 | 08/06/20 | JLI | SW8260C | |
| 4-Methyl-2-pentanone | ND | 25 | 5.1 | ug/Kg | 1 | 08/06/20 | JLI | SW8260C | |
| Acetone | ND | 25 | 5.1 | ug/Kg | 1 | 08/06/20 | JLI | SW8260C | |
| Acrylonitrile | ND | 10 | 1.0 | ug/Kg | 1 | 08/06/20 | JLI | SW8260C | |
| Benzene | ND | 5.1 | 0.51 | ug/Kg | 1 | 08/06/20 | JLI | SW8260C | |
| Bromobenzene | ND | 5.1 | 0.51 | ug/Kg | 1 | 08/06/20 | JLI | SW8260C | |
| Bromochloromethane | ND | 5.1 | 0.51 | ug/Kg | 1 | 08/06/20 | JLI | SW8260C | |
| Bromodichloromethane | ND | 5.1 | 1.0 | ug/Kg | 1 | 08/06/20 | JLI | SW8260C | |
| Bromoform | ND | 5.1 | 1.0 | ug/Kg | 1 | 08/06/20 | JLI | SW8260C | |
| Bromomethane | ND | 5.1 | 2.0 | ug/Kg | 1 | 08/06/20 | JLI | SW8260C | |
| Carbon Disulfide | ND | 5.1 | 1.0 | ug/Kg | 1 | 08/06/20 | JLI | SW8260C | |
| Carbon tetrachloride | ND | 5.1 | 1.0 | ug/Kg | 1 | 08/06/20 | JLI | SW8260C | |
| Chlorobenzene | ND | 5.1 | 0.51 | ug/Kg | 1 | 08/06/20 | JLI | SW8260C | |
| Chloroethane | ND | 5.1 | 0.51 | ug/Kg | 1 | 08/06/20 | JLI | SW8260C | |
| Chloroform | ND | 5.1 | 0.51 | ug/Kg | 1 | 08/06/20 | JLI | SW8260C | |
| Chloromethane | ND | 5.1 | 1.0 | ug/Kg | 1 | 08/06/20 | JLI | SW8260C | |
| cis-1,2-Dichloroethene | ND | 5.1 | 0.51 | ug/Kg | 1 | 08/06/20 | JLI | SW8260C | |
| cis-1,3-Dichloropropene | ND | 5.1 | 0.51 | ug/Kg | 1 | 08/06/20 | JLI | SW8260C | |
| Dibromochloromethane | ND | 5.1 | 1.0 | ug/Kg | 1 | 08/06/20 | JLI | SW8260C | |
| Dibromomethane | ND | 5.1 | 1.0 | ug/Kg | 1 | 08/06/20 | JLI | SW8260C | |
| Dichlorodifluoromethane | ND | 5.1 | 0.51 | ug/Kg | 1 | 08/06/20 | JLI | SW8260C | |
| Ethylbenzene | ND | 5.1 | 0.51 | ug/Kg | 1 | 08/06/20 | JLI | SW8260C | |
| Hexachlorobutadiene | ND | 5.1 | 0.51 | ug/Kg | 1 | 08/06/20 | JLI | SW8260C | |

| Parameter | Result | | RL/ PQL | LOD/ MDL | Units | Dilution | Date/Time | By | |
|---|---|---|---|---|---|---|---|---|---|
| Isopropylbenzene | ND | | 5.1 | 0.51 | ug/Kg | 1 | 08/06/20 | JLI | SW8260C |
| m&p-Xylene | ND | | 5.1 | 1.0 | ug/Kg | 1 | 08/06/20 | JLI | SW8260C |
| Methyl Ethyl Ketone | ND | | 30 | 5.1 | ug/Kg | 1 | 08/06/20 | JLI | SW8260C |
| Methyl t-butyl ether (MTBE) | ND | | 10 | 1.0 | ug/Kg | 1 | 08/06/20 | JLI | SW8260C |
| Methylene chloride | ND | | 5.1 | 5.1 | ug/Kg | 1 | 08/06/20 | JLI | SW8260C |
| Naphthalene | ND | | 5.1 | 1.0 | ug/Kg | 1 | 08/06/20 | JLI | SW8260C |
| n-Butylbenzene | ND | | 5.1 | 0.51 | ug/Kg | 1 | 08/06/20 | JLI | SW8260C |
| n-Propylbenzene | ND | | 5.1 | 1.0 | ug/Kg | 1 | 08/06/20 | JLI | SW8260C |
| o-Xylene | ND | | 5.1 | 1.0 | ug/Kg | 1 | 08/06/20 | JLI | SW8260C |
| p-Isopropyltoluene | ND | | 5.1 | 0.51 | ug/Kg | 1 | 08/06/20 | JLI | SW8260C |
| sec-Butylbenzene | ND | | 5.1 | 0.51 | ug/Kg | 1 | 08/06/20 | JLI | SW8260C |
| Styrene | ND | | 5.1 | 0.51 | ug/Kg | 1 | 08/06/20 | JLI | SW8260C |
| tert-Butylbenzene | ND | | 5.1 | 0.51 | ug/Kg | 1 | 08/06/20 | JLI | SW8260C |
| Tetrachloroethene | ND | | 5.1 | 1.0 | ug/Kg | 1 | 08/06/20 | JLI | SW8260C |
| Tetrahydrofuran (THF) | ND | | 10 | 2.5 | ug/Kg | 1 | 08/06/20 | JLI | SW8260C |
| Toluene | 0.90 | J | 5.1 | 0.51 | ug/Kg | 1 | 08/06/20 | JLI | SW8260C |
| trans-1,2-Dichloroethene | ND | | 5.1 | 0.51 | ug/Kg | 1 | 08/06/20 | JLI | SW8260C |
| trans-1,3-Dichloropropene | ND | | 5.1 | 0.51 | ug/Kg | 1 | 08/06/20 | JLI | SW8260C |
| trans-1,4-dichloro-2-butene | ND | | 10 | 2.5 | ug/Kg | 1 | 08/06/20 | JLI | SW8260C |
| Trichloroethene | ND | | 5.1 | 0.51 | ug/Kg | 1 | 08/06/20 | JLI | SW8260C |
| Trichlorofluoromethane | ND | | 5.1 | 1.0 | ug/Kg | 1 | 08/06/20 | JLI | SW8260C |
| Trichlorotrifluoroethane | ND | | 5.1 | 0.51 | ug/Kg | 1 | 08/06/20 | JLI | SW8260C |
| Vinyl chloride | ND | | 5.1 | 0.51 | ug/Kg | 1 | 08/06/20 | JLI | SW8260C |
| **QA/QC Surrogates** | | | | | | | | | |
| % 1,2-dichlorobenzene-d4 | 99 | | | | % | 1 | 08/06/20 | JLI | 70 - 130 % |
| % Bromofluorobenzene | 86 | | | | % | 1 | 08/06/20 | JLI | 70 - 130 % |
| % Dibromofluoromethane | 94 | | | | % | 1 | 08/06/20 | JLI | 70 - 130 % |
| % Toluene-d8 | 98 | | | | % | 1 | 08/06/20 | JLI | 70 - 130 % |
| **1,4-dioxane** | | | | | | | | | |
| 1,4-dioxane | ND | | 76 | | ug/kg | 1 | 08/06/20 | JLI | SW8260C |
| **QA/QC Surrogates** | | | | | | | | | |
| % 1,2-dichlorobenzene-d4 | 99 | | | | % | 1 | 08/06/20 | JLI | 70 - 130 % |
| % Bromofluorobenzene | 86 | | | | % | 1 | 08/06/20 | JLI | 70 - 130 % |
| % Dibromofluoromethane | 94 | | | | % | 1 | 08/06/20 | JLI | 70 - 130 % |
| % Toluene-d8 | 98 | | | | % | 1 | 08/06/20 | JLI | 70 - 130 % |
| **Volatiles** | | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | | 20 | | ug/Kg | 1 | 08/06/20 | JLI | SW8260C |
| Acrolein | ND | | 1.4 | | ug/Kg | 1 | 08/06/20 | JLI | SW8260C |
| Acrylonitrile | ND | | 20 | | ug/Kg | 1 | 08/06/20 | JLI | SW8260C |
| Tert-butyl alcohol | ND | | 100 | | ug/Kg | 1 | 08/06/20 | JLI | SW8260C |
| **Semivolatiles** | | | | | | | | | |
| 1,2,4,5-Tetrachlorobenzene | ND | | 260 | 130 | ug/Kg | 1 | 08/05/20 | WB | SW8270D |
| 1,2,4-Trichlorobenzene | ND | | 260 | 110 | ug/Kg | 1 | 08/05/20 | WB | SW8270D |
| 1,2-Dichlorobenzene | ND | | 260 | 100 | ug/Kg | 1 | 08/05/20 | WB | SW8270D |
| 1,2-Diphenylhydrazine | ND | | 260 | 120 | ug/Kg | 1 | 08/05/20 | WB | SW8270D |
| 1,3-Dichlorobenzene | ND | | 260 | 110 | ug/Kg | 1 | 08/05/20 | WB | SW8270D |
| 1,4-Dichlorobenzene | ND | | 260 | 110 | ug/Kg | 1 | 08/05/20 | WB | SW8270D |

Project ID: 64 CENTRE AVE, NEW ROCHELLE NY
Client ID: 64B4 FILL

Phoenix I.D.: CG47122

| Parameter | Result | RL/ PQL | LOD/ MDL | Units | Dilution | Date/Time | By | | |
|---|---|---|---|---|---|---|---|---|---|
| 2,4,5-Trichlorophenol | ND | 260 | 200 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| 2,4,6-Trichlorophenol | ND | 180 | 120 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| 2,4-Dichlorophenol | ND | 180 | 130 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| 2,4-Dimethylphenol | ND | 260 | 91 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| 2,4-Dinitrophenol | ND | 260 | 260 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| 2,4-Dinitrotoluene | ND | 180 | 140 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| 2,6-Dinitrotoluene | ND | 180 | 120 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| 2-Chloronaphthalene | ND | 260 | 100 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| 2-Chlorophenol | ND | 260 | 100 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| 2-Methylnaphthalene | ND | 260 | 110 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| 2-Methylphenol (o-cresol) | ND | 260 | 170 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| 2-Nitroaniline | ND | 100 | 100 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| 2-Nitrophenol | ND | 260 | 230 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| 3&4-Methylphenol (m&p-cresol) | ND | 260 | 140 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | 1 |
| 3,3'-Dichlorobenzidine | ND | 180 | 170 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| 3-Nitroaniline | ND | 91 | 91 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| 4,6-Dinitro-2-methylphenol | ND | 220 | 73 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| 4-Bromophenyl phenyl ether | ND | 260 | 110 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| 4-Chloro-3-methylphenol | ND | 260 | 130 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| 4-Chloroaniline | ND | 290 | 170 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| 4-Chlorophenyl phenyl ether | ND | 260 | 120 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| 4-Nitroaniline | ND | 86 | 86 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| 4-Nitrophenol | ND | 370 | 170 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Acenaphthene | ND | 260 | 110 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Acenaphthylene | ND | 260 | 100 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Acetophenone | ND | 260 | 110 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Aniline | ND | 290 | 290 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Anthracene | ND | 260 | 120 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Benz(a)anthracene | ND | 260 | 120 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Benzidine | ND | 340 | 220 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Benzo(a)pyrene | ND | 180 | 120 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Benzo(b)fluoranthene | ND | 260 | 130 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Benzo(ghi)perylene | ND | 260 | 120 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Benzo(k)fluoranthene | ND | 260 | 120 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Benzoic acid | ND | 1800 | 730 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Benzyl butyl phthalate | ND | 260 | 95 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Bis(2-chloroethoxy)methane | ND | 260 | 100 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Bis(2-chloroethyl)ether | ND | 73 | 73 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Bis(2-chloroisopropyl)ether | ND | 260 | 100 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Bis(2-ethylhexyl)phthalate | ND | 260 | 110 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Carbazole | ND | 180 | 150 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Chrysene | ND | 260 | 120 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Dibenz(a,h)anthracene | ND | 180 | 120 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Dibenzofuran | ND | 260 | 110 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Diethyl phthalate | ND | 260 | 120 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Dimethylphthalate | ND | 260 | 110 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Di-n-butylphthalate | ND | 260 | 98 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Di-n-octylphthalate | ND | 260 | 95 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Fluoranthene | ND | 260 | 120 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |

Project ID: 64 CENTRE AVE, NEW ROCHELLE NY
Client ID: 64B4 FILL

Phoenix I.D.: CG47122

| Parameter | Result | RL/ PQL | LOD/ MDL | Units | Dilution | Date/Time | By | | |
|---|---|---|---|---|---|---|---|---|---|
| Fluorene | ND | 260 | 120 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Hexachlorobenzene | ND | 180 | 110 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Hexachlorobutadiene | ND | 260 | 130 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Hexachlorocyclopentadiene | ND | 260 | 110 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Hexachloroethane | ND | 180 | 110 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Indeno(1,2,3-cd)pyrene | ND | 260 | 120 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Isophorone | ND | 180 | 100 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Naphthalene | ND | 260 | 110 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Nitrobenzene | ND | 180 | 130 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| N-Nitrosodimethylamine | ND | 73 | 73 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| N-Nitrosodi-n-propylamine | ND | 73 | 73 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| N-Nitrosodiphenylamine | ND | 260 | 140 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Pentachloronitrobenzene | ND | 260 | 140 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Pentachlorophenol | ND | 220 | 140 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Phenanthrene | ND | 260 | 100 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Phenol | ND | 260 | 120 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Pyrene | ND | 260 | 130 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Pyridine | ND | 220 | 90 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| **QA/QC Surrogates** | | | | | | | | | |
| % 2,4,6-Tribromophenol | 90 | | | % | 1 | 08/05/20 | WB | 30 - 130 % | |
| % 2-Fluorobiphenyl | 75 | | | % | 1 | 08/05/20 | WB | 30 - 130 % | |
| % 2-Fluorophenol | 77 | | | % | 1 | 08/05/20 | WB | 30 - 130 % | |
| % Nitrobenzene-d5 | 78 | | | % | 1 | 08/05/20 | WB | 30 - 130 % | |
| % Phenol-d5 | 83 | | | % | 1 | 08/05/20 | WB | 30 - 130 % | |
| % Terphenyl-d14 | 88 | | | % | 1 | 08/05/20 | WB | 30 - 130 % | |
| **Additional Semi-Volatile Compounds** | | | | | | | | | |
| 1,1-Biphenyl | ND | 260 | 110 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| 1,2,4,5-Tetrachlorobenzene | ND | 260 | 130 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Atrazine | ND | 130 | 73 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Benzaldehyde | ND | 260 | 110 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Benzo(a)pyrene | ND | 260 | 120 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Caprolactam | ND | 150 | 150 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| **QA/QC Surrogates** | | | | | | | | | |
| % 2,4,6-Tribromophenol | 90 | | | % | 1 | 08/05/20 | WB | 30 - 130 % | |
| % 2-Fluorobiphenyl | 75 | | | % | 1 | 08/05/20 | WB | 30 - 130 % | |
| % 2-Fluorophenol | 77 | | | % | 1 | 08/05/20 | WB | 30 - 130 % | |
| % Nitrobenzene-d5 | 78 | | | % | 1 | 08/05/20 | WB | 30 - 130 % | |
| % Phenol-d5 | 83 | | | % | 1 | 08/05/20 | WB | 30 - 130 % | |
| % Terphenyl-d14 | 88 | | | % | 1 | 08/05/20 | WB | 30 - 130 % | |
| Pyridine | ND | 220 | | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Field Extraction | Completed | | | | | 08/03/20 | | SW5035A | 1 |

| Parameter | Result | RL/ PQL | LOD/ MDL | Units | Dilution | Date/Time | By |
|---|---|---|---|---|---|---|---|

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL
BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

## Comments:

Semi-Volatile Comment:
Due to low QC recoveries the RL/PQL of some compounds have been evaluated below the lowest calibration standard in order account for possible sample bias and meet criteria: 2,4-dintrophenol, 4,6-Dinitro-2-methylphenol, and Benzidine.

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Semi-Volatile Comment:
To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

Hexavalent Chromium:
This sample is in a reducing state.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

**Phyllis Shiller, Laboratory Director**
**August 07, 2020**
**Reviewed and Released by: Greg Lawrence, Assistant Lab Director**

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

# Analysis Report

August 07, 2020

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

| Sample Information | | Custody Information | | Date | Time |
|---|---|---|---|---|---|
| Matrix: | SOIL | Collected by: | DM | 08/03/20 | 12:15 |
| Location Code: | EBC | Received by: | CP | 08/04/20 | 15:52 |
| Rush Request: | 72 Hour | Analyzed by: | see "By" below | | |
| P.O.#: | | | | | |

## Laboratory Data

SDG ID: GCG47119
Phoenix ID: CG47123

Project ID: 64 CENTRE AVE, NEW ROCHELLE NY
Client ID: 64B5 FILL

| Parameter | Result | RL/ PQL | LOD/ MDL | Units | Dilution | Date/Time | By | Reference | |
|---|---|---|---|---|---|---|---|---|---|
| Silver | 0.42 | 0.37 | | mg/Kg | 1 | 08/05/20 | CPP | SW6010D | |
| Aluminum | 15200 | 37 | | mg/Kg | 10 | 08/05/20 | CPP | SW6010D | |
| Arsenic | 5.13 | 0.74 | | mg/Kg | 1 | 08/05/20 | CPP | SW6010D | |
| Barium | 207 | 0.7 | | mg/Kg | 1 | 08/05/20 | CPP | SW6010D | |
| Beryllium | 0.56 | 0.30 | | mg/Kg | 1 | 08/05/20 | CPP | SW6010D | |
| Calcium | 3130 | 3.7 | | mg/Kg | 1 | 08/05/20 | CPP | SW6010D | |
| Cadmium | 1.08 | 0.37 | | mg/Kg | 1 | 08/05/20 | CPP | SW6010D | |
| Cobalt | 9.67 | 0.37 | | mg/Kg | 1 | 08/05/20 | CPP | SW6010D | |
| Chromium | 30.5 | 0.37 | | mg/Kg | 1 | 08/05/20 | CPP | SW6010D | |
| Copper | 68.3 | 0.7 | | mg/kg | 1 | 08/05/20 | CPP | SW6010D | |
| Iron | 19000 | 37 | | mg/Kg | 10 | 08/05/20 | CPP | SW6010D | |
| Mercury | 1.40 | 0.07 | | mg/Kg | 5 | 08/05/20 | RS | SW7471B | |
| Potassium | 2160 | 7 | | mg/Kg | 1 | 08/05/20 | CPP | SW6010D | |
| Magnesium | 3960 | 3.7 | | mg/Kg | 1 | 08/05/20 | CPP | SW6010D | |
| Manganese | 218 | 3.7 | | mg/Kg | 10 | 08/05/20 | CPP | SW6010D | |
| Molybdenum | < 0.37 | 0.37 | | mg/Kg | 1 | 08/05/20 | CPP | SW6010D | |
| Sodium | 340 | 7 | | mg/Kg | 1 | 08/05/20 | CPP | SW6010D | |
| Nickel | 26.1 | 0.37 | | mg/Kg | 1 | 08/05/20 | CPP | SW6010D | |
| Lead | 531 | 0.7 | | mg/Kg | 1 | 08/05/20 | CPP | SW6010D | |
| Antimony | < 3.7 | 3.7 | | mg/Kg | 1 | 08/05/20 | CPP | SW6010D | |
| Selenium | < 1.5 | 1.5 | | mg/Kg | 1 | 08/05/20 | CPP | SW6010D | |
| Thallium | < 1.5 | 1.5 | | mg/Kg | 1 | 08/05/20 | CPP | SW6010D | |
| Vanadium | 33.0 | 0.37 | | mg/Kg | 1 | 08/05/20 | CPP | SW6010D | |
| Zinc | 192 | 0.7 | | mg/Kg | 1 | 08/05/20 | CPP | SW6010D | |
| Percent Solid | 84 | | | % | | 08/04/20 | HB | SW846-%Solid | |
| **Chromium, Hex. (SW3060 digestion)** | < 0.47 | 0.47 | | mg/Kg | 1 | 08/06/20 | ARG | SW7196A | |
| pH at 25C - Soil | 7.34 | 1.00 | | pH Units | 1 | 08/04/20 22:27 | MB | SW846 9045 | 1 |
| Redox Potential | 93.3 | | | mV | 1 | 08/04/20 | MB | SM2580B-09 | 1 |

**Ver 1**

Project ID: 64 CENTRE AVE, NEW ROCHELLE NY
Client ID: 64B5 FILL

Phoenix I.D.: CG47123

| Parameter | Result | RL/ PQL | LOD/ MDL | Units | Dilution | Date/Time | By | |
|---|---|---|---|---|---|---|---|---|
| **Total Cyanide (SW9010C Distill.)** | < 0.54 | 0.54 | | mg/Kg | 1 | 08/06/20 | EG | SW9012B |
| Soil Extraction for PCB | Completed | | | | | 08/04/20 | L/E | SW3545A |
| Soil Extraction for Pesticides | Completed | | | | | 08/04/20 | L/E | SW3545A |
| Mercury Digestion | Completed | | | | | 08/05/20 | VT/VT | SW7471B |
| Soil Extraction for SVOA | Completed | | | | | 08/04/20 | R/M | SW3546 |
| Total Metals Digest | Completed | | | | | 08/04/20 | F/AG/BF | SW3050B |
| **Polychlorinated Biphenyls** | | | | | | | | |
| PCB-1016 | ND | 77 | 77 | ug/Kg | 2 | 08/05/20 | SC | SW8082A |
| PCB-1221 | ND | 77 | 77 | ug/Kg | 2 | 08/05/20 | SC | SW8082A |
| PCB-1232 | ND | 77 | 77 | ug/Kg | 2 | 08/05/20 | SC | SW8082A |
| PCB-1242 | ND | 77 | 77 | ug/Kg | 2 | 08/05/20 | SC | SW8082A |
| PCB-1248 | ND | 77 | 77 | ug/Kg | 2 | 08/05/20 | SC | SW8082A |
| PCB-1254 | ND | 77 | 77 | ug/Kg | 2 | 08/05/20 | SC | SW8082A |
| PCB-1260 | ND | 77 | 77 | ug/Kg | 2 | 08/05/20 | SC | SW8082A |
| PCB-1262 | ND | 77 | 77 | ug/Kg | 2 | 08/05/20 | SC | SW8082A |
| PCB-1268 | ND | 77 | 77 | ug/Kg | 2 | 08/05/20 | SC | SW8082A |
| **QA/QC Surrogates** | | | | | | | | |
| % DCBP | 73 | | | % | 2 | 08/05/20 | SC | 30 - 150 % |
| % DCBP (Confirmation) | 75 | | | % | 2 | 08/05/20 | SC | 30 - 150 % |
| % TCMX | 65 | | | % | 2 | 08/05/20 | SC | 30 - 150 % |
| % TCMX (Confirmation) | 66 | | | % | 2 | 08/05/20 | SC | 30 - 150 % |
| **Pesticides - Soil** | | | | | | | | |
| 4,4' -DDD | ND | 2.3 | | ug/Kg | 2 | 08/05/20 | CG | SW8081B |
| 4,4' -DDE | ND | 2.3 | | ug/Kg | 2 | 08/05/20 | CG | SW8081B |
| 4,4' -DDT | ND | 2.3 | | ug/Kg | 2 | 08/05/20 | CG | SW8081B |
| a-BHC | ND | 7.7 | | ug/Kg | 2 | 08/05/20 | CG | SW8081B |
| a-Chlordane | ND | 3.9 | | ug/Kg | 2 | 08/05/20 | CG | SW8081B |
| Aldrin | ND | 3.9 | | ug/Kg | 2 | 08/05/20 | CG | SW8081B |
| b-BHC | ND | 7.7 | | ug/Kg | 2 | 08/05/20 | CG | SW8081B |
| Chlordane | ND | 39 | | ug/Kg | 2 | 08/05/20 | CG | SW8081B |
| d-BHC | ND | 7.7 | | ug/Kg | 2 | 08/05/20 | CG | SW8081B |
| Dieldrin | ND | 3.9 | | ug/Kg | 2 | 08/05/20 | CG | SW8081B |
| Endosulfan I | ND | 7.7 | | ug/Kg | 2 | 08/05/20 | CG | SW8081B |
| Endosulfan II | ND | 7.7 | | ug/Kg | 2 | 08/05/20 | CG | SW8081B |
| Endosulfan sulfate | ND | 7.7 | | ug/Kg | 2 | 08/05/20 | CG | SW8081B |
| Endrin | ND | 7.7 | | ug/Kg | 2 | 08/05/20 | CG | SW8081B |
| Endrin aldehyde | ND | 7.7 | | ug/Kg | 2 | 08/05/20 | CG | SW8081B |
| Endrin ketone | ND | 7.7 | | ug/Kg | 2 | 08/05/20 | CG | SW8081B |
| g-BHC | ND | 1.5 | | ug/Kg | 2 | 08/05/20 | CG | SW8081B |
| g-Chlordane | ND | 3.9 | | ug/Kg | 2 | 08/05/20 | CG | SW8081B |
| Heptachlor | ND | 7.7 | | ug/Kg | 2 | 08/05/20 | CG | SW8081B |
| Heptachlor epoxide | ND | 7.7 | | ug/Kg | 2 | 08/05/20 | CG | SW8081B |
| Methoxychlor | ND | 39 | | ug/Kg | 2 | 08/05/20 | CG | SW8081B |
| Toxaphene | ND | 150 | | ug/Kg | 2 | 08/05/20 | CG | SW8081B |
| **QA/QC Surrogates** | | | | | | | | |
| % DCBP | 53 | | | % | 2 | 08/05/20 | CG | 30 - 150 % |
| % DCBP (Confirmation) | 63 | | | % | 2 | 08/05/20 | CG | 30 - 150 % |
| % TCMX | 57 | | | % | 2 | 08/05/20 | CG | 30 - 150 % |

**Ver 1**

Project ID: 64 CENTRE AVE, NEW ROCHELLE NY
Client ID: 64B5 FILL

Phoenix I.D.: CG47123

| Parameter | Result | | RL/ PQL | LOD/ MDL | Units | Dilution | Date/Time | By | | |
|---|---|---|---|---|---|---|---|---|---|---|
| % TCMX (Confirmation) | 56 | | | | % | 2 | 08/05/20 | CG | 30 - 150 % | |
| **Volatiles** | | | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | | 3.2 | 0.63 | ug/Kg | 1 | 08/06/20 | JLI | SW8260C | |
| 1,1,1-Trichloroethane | ND | | 3.2 | 0.32 | ug/Kg | 1 | 08/06/20 | JLI | SW8260C | |
| 1,1,2,2-Tetrachloroethane | ND | | 3.2 | 0.63 | ug/Kg | 1 | 08/06/20 | JLI | SW8260C | |
| 1,1,2-Trichloroethane | ND | | 3.2 | 0.63 | ug/Kg | 1 | 08/06/20 | JLI | SW8260C | |
| 1,1-Dichloroethane | ND | | 3.2 | 0.63 | ug/Kg | 1 | 08/06/20 | JLI | SW8260C | |
| 1,1-Dichloroethene | ND | | 3.2 | 0.32 | ug/Kg | 1 | 08/06/20 | JLI | SW8260C | |
| 1,1-Dichloropropene | ND | | 3.2 | 0.32 | ug/Kg | 1 | 08/06/20 | JLI | SW8260C | |
| 1,2,3-Trichlorobenzene | ND | | 3.2 | 0.63 | ug/Kg | 1 | 08/06/20 | JLI | SW8260C | |
| 1,2,3-Trichloropropane | ND | | 3.2 | 0.32 | ug/Kg | 1 | 08/06/20 | JLI | SW8260C | |
| 1,2,4-Trichlorobenzene | ND | | 3.2 | 0.63 | ug/Kg | 1 | 08/06/20 | JLI | SW8260C | |
| 1,2,4-Trimethylbenzene | ND | | 3.2 | 0.32 | ug/Kg | 1 | 08/06/20 | JLI | SW8260C | |
| 1,2-Dibromo-3-chloropropane | ND | | 3.2 | 0.63 | ug/Kg | 1 | 08/06/20 | JLI | SW8260C | |
| 1,2-Dibromoethane | ND | | 1.2 | 0.32 | ug/Kg | 1 | 08/06/20 | JLI | SW8260C | |
| 1,2-Dichlorobenzene | ND | | 3.2 | 0.32 | ug/Kg | 1 | 08/06/20 | JLI | SW8260C | |
| 1,2-Dichloroethane | ND | | 3.2 | 0.32 | ug/Kg | 1 | 08/06/20 | JLI | SW8260C | |
| 1,2-Dichloropropane | ND | | 3.2 | 0.63 | ug/Kg | 1 | 08/06/20 | JLI | SW8260C | |
| 1,3,5-Trimethylbenzene | ND | | 3.2 | 0.32 | ug/Kg | 1 | 08/06/20 | JLI | SW8260C | |
| 1,3-Dichlorobenzene | ND | | 3.2 | 0.32 | ug/Kg | 1 | 08/06/20 | JLI | SW8260C | |
| 1,3-Dichloropropane | ND | | 3.2 | 0.63 | ug/Kg | 1 | 08/06/20 | JLI | SW8260C | |
| 1,4-Dichlorobenzene | ND | | 3.2 | 0.32 | ug/Kg | 1 | 08/06/20 | JLI | SW8260C | |
| 2,2-Dichloropropane | ND | | 3.2 | 0.32 | ug/Kg | 1 | 08/06/20 | JLI | SW8260C | |
| 2-Chlorotoluene | ND | | 3.2 | 0.63 | ug/Kg | 1 | 08/06/20 | JLI | SW8260C | |
| 2-Hexanone | ND | | 16 | 3.2 | ug/Kg | 1 | 08/06/20 | JLI | SW8260C | |
| 2-Isopropyltoluene | ND | | 3.2 | 0.32 | ug/Kg | 1 | 08/06/20 | JLI | SW8260C | 1 |
| 4-Chlorotoluene | ND | | 3.2 | 0.32 | ug/Kg | 1 | 08/06/20 | JLI | SW8260C | |
| 4-Methyl-2-pentanone | ND | | 16 | 3.2 | ug/Kg | 1 | 08/06/20 | JLI | SW8260C | |
| Acetone | 48 | S | 16 | 3.2 | ug/Kg | 1 | 08/06/20 | JLI | SW8260C | |
| Acrylonitrile | ND | | 6.3 | 0.63 | ug/Kg | 1 | 08/06/20 | JLI | SW8260C | |
| Benzene | ND | | 3.2 | 0.32 | ug/Kg | 1 | 08/06/20 | JLI | SW8260C | |
| Bromobenzene | ND | | 3.2 | 0.32 | ug/Kg | 1 | 08/06/20 | JLI | SW8260C | |
| Bromochloromethane | ND | | 3.2 | 0.32 | ug/Kg | 1 | 08/06/20 | JLI | SW8260C | |
| Bromodichloromethane | ND | | 3.2 | 0.63 | ug/Kg | 1 | 08/06/20 | JLI | SW8260C | |
| Bromoform | ND | | 3.2 | 0.63 | ug/Kg | 1 | 08/06/20 | JLI | SW8260C | |
| Bromomethane | ND | | 3.2 | 1.3 | ug/Kg | 1 | 08/06/20 | JLI | SW8260C | |
| Carbon Disulfide | ND | | 3.2 | 0.63 | ug/Kg | 1 | 08/06/20 | JLI | SW8260C | |
| Carbon tetrachloride | ND | | 3.2 | 0.63 | ug/Kg | 1 | 08/06/20 | JLI | SW8260C | |
| Chlorobenzene | ND | | 3.2 | 0.32 | ug/Kg | 1 | 08/06/20 | JLI | SW8260C | |
| Chloroethane | ND | | 3.2 | 0.32 | ug/Kg | 1 | 08/06/20 | JLI | SW8260C | |
| Chloroform | ND | | 3.2 | 0.32 | ug/Kg | 1 | 08/06/20 | JLI | SW8260C | |
| Chloromethane | ND | | 3.2 | 0.63 | ug/Kg | 1 | 08/06/20 | JLI | SW8260C | |
| cis-1,2-Dichloroethene | ND | | 3.2 | 0.32 | ug/Kg | 1 | 08/06/20 | JLI | SW8260C | |
| cis-1,3-Dichloropropene | ND | | 3.2 | 0.32 | ug/Kg | 1 | 08/06/20 | JLI | SW8260C | |
| Dibromochloromethane | ND | | 3.2 | 0.63 | ug/Kg | 1 | 08/06/20 | JLI | SW8260C | |
| Dibromomethane | ND | | 3.2 | 0.63 | ug/Kg | 1 | 08/06/20 | JLI | SW8260C | |
| Dichlorodifluoromethane | ND | | 3.2 | 0.32 | ug/Kg | 1 | 08/06/20 | JLI | SW8260C | |
| Ethylbenzene | ND | | 3.2 | 0.32 | ug/Kg | 1 | 08/06/20 | JLI | SW8260C | |
| Hexachlorobutadiene | ND | | 3.2 | 0.32 | ug/Kg | 1 | 08/06/20 | JLI | SW8260C | |

| Parameter | Result | | RL/ PQL | LOD/ MDL | Units | Dilution | Date/Time | By | |
|---|---|---|---|---|---|---|---|---|---|
| Isopropylbenzene | ND | | 3.2 | 0.32 | ug/Kg | 1 | 08/06/20 | JLI | SW8260C |
| m&p-Xylene | ND | | 3.2 | 0.63 | ug/Kg | 1 | 08/06/20 | JLI | SW8260C |
| Methyl Ethyl Ketone | 11 | J | 19 | 3.2 | ug/Kg | 1 | 08/06/20 | JLI | SW8260C |
| Methyl t-butyl ether (MTBE) | ND | | 6.3 | 0.63 | ug/Kg | 1 | 08/06/20 | JLI | SW8260C |
| Methylene chloride | ND | | 3.2 | 3.2 | ug/Kg | 1 | 08/06/20 | JLI | SW8260C |
| Naphthalene | ND | | 3.2 | 0.63 | ug/Kg | 1 | 08/06/20 | JLI | SW8260C |
| n-Butylbenzene | ND | | 3.2 | 0.32 | ug/Kg | 1 | 08/06/20 | JLI | SW8260C |
| n-Propylbenzene | ND | | 3.2 | 0.63 | ug/Kg | 1 | 08/06/20 | JLI | SW8260C |
| o-Xylene | ND | | 3.2 | 0.63 | ug/Kg | 1 | 08/06/20 | JLI | SW8260C |
| p-Isopropyltoluene | ND | | 3.2 | 0.32 | ug/Kg | 1 | 08/06/20 | JLI | SW8260C |
| sec-Butylbenzene | ND | | 3.2 | 0.32 | ug/Kg | 1 | 08/06/20 | JLI | SW8260C |
| Styrene | ND | | 3.2 | 0.32 | ug/Kg | 1 | 08/06/20 | JLI | SW8260C |
| tert-Butylbenzene | ND | | 3.2 | 0.32 | ug/Kg | 1 | 08/06/20 | JLI | SW8260C |
| Tetrachloroethene | ND | | 3.2 | 0.63 | ug/Kg | 1 | 08/06/20 | JLI | SW8260C |
| Tetrahydrofuran (THF) | ND | | 6.3 | 1.6 | ug/Kg | 1 | 08/06/20 | JLI | SW8260C |
| Toluene | ND | | 3.2 | 0.32 | ug/Kg | 1 | 08/06/20 | JLI | SW8260C |
| trans-1,2-Dichloroethene | ND | | 3.2 | 0.32 | ug/Kg | 1 | 08/06/20 | JLI | SW8260C |
| trans-1,3-Dichloropropene | ND | | 3.2 | 0.32 | ug/Kg | 1 | 08/06/20 | JLI | SW8260C |
| trans-1,4-dichloro-2-butene | ND | | 6.3 | 1.6 | ug/Kg | 1 | 08/06/20 | JLI | SW8260C |
| Trichloroethene | ND | | 3.2 | 0.32 | ug/Kg | 1 | 08/06/20 | JLI | SW8260C |
| Trichlorofluoromethane | ND | | 3.2 | 0.63 | ug/Kg | 1 | 08/06/20 | JLI | SW8260C |
| Trichlorotrifluoroethane | ND | | 3.2 | 0.32 | ug/Kg | 1 | 08/06/20 | JLI | SW8260C |
| Vinyl chloride | ND | | 3.2 | 0.32 | ug/Kg | 1 | 08/06/20 | JLI | SW8260C |
| **QA/QC Surrogates** | | | | | | | | | |
| % 1,2-dichlorobenzene-d4 | 99 | | | | % | 1 | 08/06/20 | JLI | 70 - 130 % |
| % Bromofluorobenzene | 94 | | | | % | 1 | 08/06/20 | JLI | 70 - 130 % |
| % Dibromofluoromethane | 91 | | | | % | 1 | 08/06/20 | JLI | 70 - 130 % |
| % Toluene-d8 | 99 | | | | % | 1 | 08/06/20 | JLI | 70 - 130 % |
| **1,4-dioxane** | | | | | | | | | |
| 1,4-dioxane | ND | | 47 | | ug/kg | 1 | 08/06/20 | JLI | SW8260C |
| **QA/QC Surrogates** | | | | | | | | | |
| % 1,2-dichlorobenzene-d4 | 99 | | | | % | 1 | 08/06/20 | JLI | 70 - 130 % |
| % Bromofluorobenzene | 94 | | | | % | 1 | 08/06/20 | JLI | 70 - 130 % |
| % Dibromofluoromethane | 91 | | | | % | 1 | 08/06/20 | JLI | 70 - 130 % |
| % Toluene-d8 | 99 | | | | % | 1 | 08/06/20 | JLI | 70 - 130 % |
| **Volatiles** | | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | | 13 | | ug/Kg | 1 | 08/06/20 | JLI | SW8260C |
| Acrolein | ND | | 1.4 | | ug/Kg | 1 | 08/06/20 | JLI | SW8260C |
| Acrylonitrile | ND | | 13 | | ug/Kg | 1 | 08/06/20 | JLI | SW8260C |
| Tert-butyl alcohol | ND | | 63 | | ug/Kg | 1 | 08/06/20 | JLI | SW8260C |
| **Semivolatiles** | | | | | | | | | |
| 1,2,4,5-Tetrachlorobenzene | ND | | 280 | 140 | ug/Kg | 1 | 08/05/20 | WB | SW8270D |
| 1,2,4-Trichlorobenzene | ND | | 280 | 120 | ug/Kg | 1 | 08/05/20 | WB | SW8270D |
| 1,2-Dichlorobenzene | ND | | 280 | 110 | ug/Kg | 1 | 08/05/20 | WB | SW8270D |
| 1,2-Diphenylhydrazine | ND | | 280 | 130 | ug/Kg | 1 | 08/05/20 | WB | SW8270D |
| 1,3-Dichlorobenzene | ND | | 280 | 120 | ug/Kg | 1 | 08/05/20 | WB | SW8270D |
| 1,4-Dichlorobenzene | ND | | 280 | 120 | ug/Kg | 1 | 08/05/20 | WB | SW8270D |

Project ID: 64 CENTRE AVE, NEW ROCHELLE NY
Client ID: 64B5 FILL

Phoenix I.D.: CG47123

| Parameter | Result | | RL/ PQL | LOD/ MDL | Units | Dilution | Date/Time | By | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 2,4,5-Trichlorophenol | ND | | 280 | 220 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| 2,4,6-Trichlorophenol | ND | | 200 | 130 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| 2,4-Dichlorophenol | ND | | 200 | 140 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| 2,4-Dimethylphenol | ND | | 280 | 98 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| 2,4-Dinitrophenol | ND | | 280 | 280 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| 2,4-Dinitrotoluene | ND | | 200 | 160 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| 2,6-Dinitrotoluene | ND | | 200 | 120 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| 2-Chloronaphthalene | ND | | 280 | 110 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| 2-Chlorophenol | ND | | 280 | 110 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| 2-Methylnaphthalene | ND | | 280 | 120 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| 2-Methylphenol (o-cresol) | ND | | 280 | 190 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| 2-Nitroaniline | ND | | 100 | 100 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| 2-Nitrophenol | ND | | 280 | 250 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| 3&4-Methylphenol (m&p-cresol) | ND | | 280 | 160 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | 1 |
| 3,3'-Dichlorobenzidine | ND | | 200 | 190 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| 3-Nitroaniline | ND | | 91 | 91 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| 4,6-Dinitro-2-methylphenol | ND | | 240 | 79 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| 4-Bromophenyl phenyl ether | ND | | 280 | 120 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| 4-Chloro-3-methylphenol | ND | | 280 | 140 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| 4-Chloroaniline | ND | | 320 | 180 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| 4-Chlorophenyl phenyl ether | ND | | 280 | 130 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| 4-Nitroaniline | ND | | 86 | 86 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| 4-Nitrophenol | ND | | 400 | 180 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Acenaphthene | ND | | 280 | 120 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Acenaphthylene | ND | | 280 | 110 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Acetophenone | ND | | 280 | 120 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Aniline | ND | | 320 | 320 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Anthracene | ND | | 280 | 130 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Benz(a)anthracene | 210 | J | 280 | 130 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Benzidine | ND | | 340 | 230 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Benzo(a)pyrene | 270 | | 200 | 130 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Benzo(b)fluoranthene | 320 | | 280 | 140 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Benzo(ghi)perylene | 220 | J | 280 | 130 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Benzo(k)fluoranthene | 200 | J | 280 | 130 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Benzoic acid | ND | | 2000 | 790 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Benzyl butyl phthalate | ND | | 280 | 100 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Bis(2-chloroethoxy)methane | ND | | 280 | 110 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Bis(2-chloroethyl)ether | ND | | 79 | 79 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Bis(2-chloroisopropyl)ether | ND | | 280 | 110 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Bis(2-ethylhexyl)phthalate | ND | | 280 | 110 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Carbazole | ND | | 200 | 160 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Chrysene | 250 | J | 280 | 130 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Dibenz(a,h)anthracene | ND | | 200 | 130 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Dibenzofuran | ND | | 280 | 120 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Diethyl phthalate | ND | | 280 | 120 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Dimethylphthalate | ND | | 280 | 120 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Di-n-butylphthalate | ND | | 280 | 110 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Di-n-octylphthalate | ND | | 280 | 100 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |
| Fluoranthene | 410 | | 280 | 130 | ug/Kg | 1 | 08/05/20 | WB | SW8270D | |

| Parameter | Result | | RL/ PQL | LOD/ MDL | Units | Dilution | Date/Time | By | |
|---|---|---|---|---|---|---|---|---|---|
| Fluorene | ND | | 280 | 130 | ug/Kg | 1 | 08/05/20 | WB | SW8270D |
| Hexachlorobenzene | ND | | 200 | 120 | ug/Kg | 1 | 08/05/20 | WB | SW8270D |
| Hexachlorobutadiene | ND | | 280 | 140 | ug/Kg | 1 | 08/05/20 | WB | SW8270D |
| Hexachlorocyclopentadiene | ND | | 280 | 120 | ug/Kg | 1 | 08/05/20 | WB | SW8270D |
| Hexachloroethane | ND | | 200 | 120 | ug/Kg | 1 | 08/05/20 | WB | SW8270D |
| Indeno(1,2,3-cd)pyrene | 240 | J | 280 | 130 | ug/Kg | 1 | 08/05/20 | WB | SW8270D |
| Isophorone | ND | | 200 | 110 | ug/Kg | 1 | 08/05/20 | WB | SW8270D |
| Naphthalene | ND | | 280 | 110 | ug/Kg | 1 | 08/05/20 | WB | SW8270D |
| Nitrobenzene | ND | | 200 | 140 | ug/Kg | 1 | 08/05/20 | WB | SW8270D |
| N-Nitrosodimethylamine | ND | | 79 | 79 | ug/Kg | 1 | 08/05/20 | WB | SW8270D |
| N-Nitrosodi-n-propylamine | ND | | 79 | 79 | ug/Kg | 1 | 08/05/20 | WB | SW8270D |
| N-Nitrosodiphenylamine | ND | | 280 | 150 | ug/Kg | 1 | 08/05/20 | WB | SW8270D |
| Pentachloronitrobenzene | ND | | 280 | 150 | ug/Kg | 1 | 08/05/20 | WB | SW8270D |
| Pentachlorophenol | ND | | 240 | 150 | ug/Kg | 1 | 08/05/20 | WB | SW8270D |
| Phenanthrene | 150 | J | 280 | 110 | ug/Kg | 1 | 08/05/20 | WB | SW8270D |
| Phenol | ND | | 280 | 130 | ug/Kg | 1 | 08/05/20 | WB | SW8270D |
| Pyrene | 330 | | 280 | 140 | ug/Kg | 1 | 08/05/20 | WB | SW8270D |
| Pyridine | ND | | 220 | 97 | ug/Kg | 1 | 08/05/20 | WB | SW8270D |
| **QA/QC Surrogates** | | | | | | | | | |
| % 2,4,6-Tribromophenol | 110 | | | | % | 1 | 08/05/20 | WB | 30 - 130 % |
| % 2-Fluorobiphenyl | 79 | | | | % | 1 | 08/05/20 | WB | 30 - 130 % |
| % 2-Fluorophenol | 71 | | | | % | 1 | 08/05/20 | WB | 30 - 130 % |
| % Nitrobenzene-d5 | 83 | | | | % | 1 | 08/05/20 | WB | 30 - 130 % |
| % Phenol-d5 | 81 | | | | % | 1 | 08/05/20 | WB | 30 - 130 % |
| % Terphenyl-d14 | 102 | | | | % | 1 | 08/05/20 | WB | 30 - 130 % |

## Additional Semi-Volatile Compounds

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1,1-Biphenyl | ND | | 280 | 120 | ug/Kg | 1 | 08/05/20 | WB | SW8270D |
| 1,2,4,5-Tetrachlorobenzene | ND | | 280 | 140 | ug/Kg | 1 | 08/05/20 | WB | SW8270D |
| Atrazine | ND | | 130 | 79 | ug/Kg | 1 | 08/05/20 | WB | SW8270D |
| Benzaldehyde | ND | | 280 | 120 | ug/Kg | 1 | 08/05/20 | WB | SW8270D |
| Benzo(a)pyrene | 270 | J | 280 | 130 | ug/Kg | 1 | 08/05/20 | WB | SW8270D |
| Caprolactam | ND | | 160 | 160 | ug/Kg | 1 | 08/05/20 | WB | SW8270D |
| **QA/QC Surrogates** | | | | | | | | | |
| % 2,4,6-Tribromophenol | 110 | | | | % | 1 | 08/05/20 | WB | 30 - 130 % |
| % 2-Fluorobiphenyl | 79 | | | | % | 1 | 08/05/20 | WB | 30 - 130 % |
| % 2-Fluorophenol | 71 | | | | % | 1 | 08/05/20 | WB | 30 - 130 % |
| % Nitrobenzene-d5 | 83 | | | | % | 1 | 08/05/20 | WB | 30 - 130 % |
| % Phenol-d5 | 81 | | | | % | 1 | 08/05/20 | WB | 30 - 130 % |
| % Terphenyl-d14 | 102 | | | | % | 1 | 08/05/20 | WB | 30 - 130 % |
| Pyridine | ND | | 220 | | ug/Kg | 1 | 08/05/20 | WB | SW8270D |
| Field Extraction | Completed | | | | | | 08/03/20 | | SW5035A 1 |

| Parameter | Result | RL/ PQL | LOD/ MDL | Units | Dilution | Date/Time | By |
|---|---|---|---|---|---|---|---|

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL
BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

## Comments:

Semi-Volatile Comment:
Due to low QC recoveries the RL/PQL of some compounds have been evaluated below the lowest calibration standard in order account for possible sample bias and meet criteria: 2,4-dintrophenol, 4,6-Dinitro-2-methylphenol, and Benzidine.

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Semi-Volatile Comment:
To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

Hexavalent Chromium:
This sample is in a reducing state.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

S - Laboratory solvent, contamination is possible.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

**Phyllis Shiller, Laboratory Director**
**August 07, 2020**
**Reviewed and Released by: Greg Lawrence, Assistant Lab Director**

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

# Analysis Report

August 07, 2020

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

| Sample Information | | Custody Information | | Date | Time |
|---|---|---|---|---|---|
| Matrix: | SOIL | Collected by: | DM | 08/03/20 | |
| Location Code: | EBC | Received by: | CP | 08/04/20 | 15:52 |
| Rush Request: | 72 Hour | Analyzed by: | see "By" below | | |
| P.O.#: | | | | | |

## Laboratory Data

SDG ID: GCG47119
Phoenix ID: CG47124

Project ID: 64 CENTRE AVE, NEW ROCHELLE NY
Client ID: TRIP BLANK HIGH

| Parameter | Result | RL/ PQL | LOD/ MDL | Units | Dilution | Date/Time | By | Reference | |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles** | | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | 250 | 50 | ug/Kg | 50 | 08/05/20 | JLI | SW8260C | |
| 1,1,1-Trichloroethane | ND | 250 | 25 | ug/Kg | 50 | 08/05/20 | JLI | SW8260C | |
| 1,1,2,2-Tetrachloroethane | ND | 250 | 50 | ug/Kg | 50 | 08/05/20 | JLI | SW8260C | |
| 1,1,2-Trichloroethane | ND | 250 | 50 | ug/Kg | 50 | 08/05/20 | JLI | SW8260C | |
| 1,1-Dichloroethane | ND | 250 | 50 | ug/Kg | 50 | 08/05/20 | JLI | SW8260C | |
| 1,1-Dichloroethene | ND | 250 | 25 | ug/Kg | 50 | 08/05/20 | JLI | SW8260C | |
| 1,1-Dichloropropene | ND | 250 | 25 | ug/Kg | 50 | 08/05/20 | JLI | SW8260C | |
| 1,2,3-Trichlorobenzene | ND | 250 | 50 | ug/Kg | 50 | 08/05/20 | JLI | SW8260C | |
| 1,2,3-Trichloropropane | ND | 250 | 25 | ug/Kg | 50 | 08/05/20 | JLI | SW8260C | |
| 1,2,4-Trichlorobenzene | ND | 250 | 50 | ug/Kg | 50 | 08/05/20 | JLI | SW8260C | |
| 1,2,4-Trimethylbenzene | ND | 250 | 25 | ug/Kg | 50 | 08/05/20 | JLI | SW8260C | |
| 1,2-Dibromo-3-chloropropane | ND | 250 | 50 | ug/Kg | 50 | 08/05/20 | JLI | SW8260C | |
| 1,2-Dibromoethane | ND | 250 | 25 | ug/Kg | 50 | 08/05/20 | JLI | SW8260C | |
| 1,2-Dichlorobenzene | ND | 250 | 25 | ug/Kg | 50 | 08/05/20 | JLI | SW8260C | |
| 1,2-Dichloroethane | ND | 250 | 25 | ug/Kg | 50 | 08/05/20 | JLI | SW8260C | |
| 1,2-Dichloropropane | ND | 250 | 50 | ug/Kg | 50 | 08/05/20 | JLI | SW8260C | |
| 1,3,5-Trimethylbenzene | ND | 250 | 25 | ug/Kg | 50 | 08/05/20 | JLI | SW8260C | |
| 1,3-Dichlorobenzene | ND | 250 | 25 | ug/Kg | 50 | 08/05/20 | JLI | SW8260C | |
| 1,3-Dichloropropane | ND | 250 | 50 | ug/Kg | 50 | 08/05/20 | JLI | SW8260C | |
| 1,4-Dichlorobenzene | ND | 250 | 25 | ug/Kg | 50 | 08/05/20 | JLI | SW8260C | |
| 2,2-Dichloropropane | ND | 250 | 25 | ug/Kg | 50 | 08/05/20 | JLI | SW8260C | |
| 2-Chlorotoluene | ND | 250 | 50 | ug/Kg | 50 | 08/05/20 | JLI | SW8260C | |
| 2-Hexanone | ND | 1300 | 250 | ug/Kg | 50 | 08/05/20 | JLI | SW8260C | |
| 2-Isopropyltoluene | ND | 250 | 25 | ug/Kg | 50 | 08/05/20 | JLI | SW8260C | 1 |
| 4-Chlorotoluene | ND | 250 | 25 | ug/Kg | 50 | 08/05/20 | JLI | SW8260C | |
| 4-Methyl-2-pentanone | ND | 1300 | 250 | ug/Kg | 50 | 08/05/20 | JLI | SW8260C | |

Project ID: 64 CENTRE AVE, NEW ROCHELLE NY
Client ID: TRIP BLANK HIGH

Phoenix I.D.: CG47124

| Parameter | Result | RL/ PQL | LOD/ MDL | Units | Dilution | Date/Time | By | |
|---|---|---|---|---|---|---|---|---|
| Acetone | ND | 1300 | 250 | ug/Kg | 50 | 08/05/20 | JLI | SW8260C |
| Acrylonitrile | ND | 500 | 50 | ug/Kg | 50 | 08/05/20 | JLI | SW8260C |
| Benzene | ND | 250 | 25 | ug/Kg | 50 | 08/05/20 | JLI | SW8260C |
| Bromobenzene | ND | 250 | 25 | ug/Kg | 50 | 08/05/20 | JLI | SW8260C |
| Bromochloromethane | ND | 250 | 25 | ug/Kg | 50 | 08/05/20 | JLI | SW8260C |
| Bromodichloromethane | ND | 250 | 50 | ug/Kg | 50 | 08/05/20 | JLI | SW8260C |
| Bromoform | ND | 250 | 50 | ug/Kg | 50 | 08/05/20 | JLI | SW8260C |
| Bromomethane | ND | 250 | 100 | ug/Kg | 50 | 08/05/20 | JLI | SW8260C |
| Carbon Disulfide | ND | 250 | 50 | ug/Kg | 50 | 08/05/20 | JLI | SW8260C |
| Carbon tetrachloride | ND | 250 | 50 | ug/Kg | 50 | 08/05/20 | JLI | SW8260C |
| Chlorobenzene | ND | 250 | 25 | ug/Kg | 50 | 08/05/20 | JLI | SW8260C |
| Chloroethane | ND | 250 | 25 | ug/Kg | 50 | 08/05/20 | JLI | SW8260C |
| Chloroform | ND | 250 | 25 | ug/Kg | 50 | 08/05/20 | JLI | SW8260C |
| Chloromethane | ND | 250 | 50 | ug/Kg | 50 | 08/05/20 | JLI | SW8260C |
| cis-1,2-Dichloroethene | ND | 250 | 25 | ug/Kg | 50 | 08/05/20 | JLI | SW8260C |
| cis-1,3-Dichloropropene | ND | 250 | 25 | ug/Kg | 50 | 08/05/20 | JLI | SW8260C |
| Dibromochloromethane | ND | 250 | 50 | ug/Kg | 50 | 08/05/20 | JLI | SW8260C |
| Dibromomethane | ND | 250 | 50 | ug/Kg | 50 | 08/05/20 | JLI | SW8260C |
| Dichlorodifluoromethane | ND | 250 | 25 | ug/Kg | 50 | 08/05/20 | JLI | SW8260C |
| Ethylbenzene | ND | 250 | 25 | ug/Kg | 50 | 08/05/20 | JLI | SW8260C |
| Hexachlorobutadiene | ND | 250 | 25 | ug/Kg | 50 | 08/05/20 | JLI | SW8260C |
| Isopropylbenzene | ND | 250 | 25 | ug/Kg | 50 | 08/05/20 | JLI | SW8260C |
| m&p-Xylene | ND | 250 | 50 | ug/Kg | 50 | 08/05/20 | JLI | SW8260C |
| Methyl Ethyl Ketone | ND | 1500 | 250 | ug/Kg | 50 | 08/05/20 | JLI | SW8260C |
| Methyl t-butyl ether (MTBE) | ND | 500 | 50 | ug/Kg | 50 | 08/05/20 | JLI | SW8260C |
| Methylene chloride | ND | 250 | 250 | ug/Kg | 50 | 08/05/20 | JLI | SW8260C |
| Naphthalene | ND | 250 | 50 | ug/Kg | 50 | 08/05/20 | JLI | SW8260C |
| n-Butylbenzene | ND | 250 | 25 | ug/Kg | 50 | 08/05/20 | JLI | SW8260C |
| n-Propylbenzene | ND | 250 | 50 | ug/Kg | 50 | 08/05/20 | JLI | SW8260C |
| o-Xylene | ND | 250 | 50 | ug/Kg | 50 | 08/05/20 | JLI | SW8260C |
| p-Isopropyltoluene | ND | 250 | 25 | ug/Kg | 50 | 08/05/20 | JLI | SW8260C |
| sec-Butylbenzene | ND | 250 | 25 | ug/Kg | 50 | 08/05/20 | JLI | SW8260C |
| Styrene | ND | 250 | 25 | ug/Kg | 50 | 08/05/20 | JLI | SW8260C |
| tert-Butylbenzene | ND | 250 | 25 | ug/Kg | 50 | 08/05/20 | JLI | SW8260C |
| Tetrachloroethene | ND | 250 | 50 | ug/Kg | 50 | 08/05/20 | JLI | SW8260C |
| Tetrahydrofuran (THF) | ND | 500 | 130 | ug/Kg | 50 | 08/05/20 | JLI | SW8260C |
| Toluene | ND | 250 | 25 | ug/Kg | 50 | 08/05/20 | JLI | SW8260C |
| trans-1,2-Dichloroethene | ND | 250 | 25 | ug/Kg | 50 | 08/05/20 | JLI | SW8260C |
| trans-1,3-Dichloropropene | ND | 250 | 25 | ug/Kg | 50 | 08/05/20 | JLI | SW8260C |
| trans-1,4-dichloro-2-butene | ND | 500 | 130 | ug/Kg | 50 | 08/05/20 | JLI | SW8260C |
| Trichloroethene | ND | 250 | 25 | ug/Kg | 50 | 08/05/20 | JLI | SW8260C |
| Trichlorofluoromethane | ND | 250 | 50 | ug/Kg | 50 | 08/05/20 | JLI | SW8260C |
| Trichlorotrifluoroethane | ND | 250 | 25 | ug/Kg | 50 | 08/05/20 | JLI | SW8260C |
| Vinyl chloride | ND | 250 | 25 | ug/Kg | 50 | 08/05/20 | JLI | SW8260C |
| **QA/QC Surrogates** | | | | | | | | |
| % 1,2-dichlorobenzene-d4 (50x) | 101 | | | % | 50 | 08/05/20 | JLI | 70 - 130 % |
| % Bromofluorobenzene (50x) | 96 | | | % | 50 | 08/05/20 | JLI | 70 - 130 % |
| % Dibromofluoromethane (50x) | 91 | | | % | 50 | 08/05/20 | JLI | 70 - 130 % |
| % Toluene-d8 (50x) | 98 | | | % | 50 | 08/05/20 | JLI | 70 - 130 % |

Project ID: 64 CENTRE AVE, NEW ROCHELLE NY
Client ID: TRIP BLANK HIGH

Phoenix I.D.: CG47124

| Parameter | Result | RL/ PQL | LOD/ MDL | Units | Dilution | Date/Time | By | | |
|---|---|---|---|---|---|---|---|---|---|
| **1,4-dioxane** | | | | | | | | | |
| 1,4-dioxane | ND | 3800 | | ug/kg | 50 | 08/05/20 | JLI | SW8260C | |
| **QA/QC Surrogates** | | | | | | | | | |
| % 1,2-dichlorobenzene-d4 (50x) | 101 | | | % | 50 | 08/05/20 | JLI | 70 - 130 % | |
| % Bromofluorobenzene (50x) | 96 | | | % | 50 | 08/05/20 | JLI | 70 - 130 % | |
| % Dibromofluoromethane (50x) | 91 | | | % | 50 | 08/05/20 | JLI | 70 - 130 % | |
| % Toluene-d8 (50x) | 98 | | | % | 50 | 08/05/20 | JLI | 70 - 130 % | |
| **Volatiles** | | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | 1000 | | ug/Kg | 50 | 08/05/20 | JLI | SW8260C | |
| Acrolein | ND | 250 | | ug/Kg | 50 | 08/05/20 | JLI | SW8260C | |
| Acrylonitrile | ND | 1000 | | ug/Kg | 50 | 08/05/20 | JLI | SW8260C | |
| Tert-butyl alcohol | ND | 5000 | | ug/Kg | 50 | 08/05/20 | JLI | SW8260C | |
| Field Extraction | Completed | | | | | 08/03/20 | | SW5035A | 1 |

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL
BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

## Comments:

TRIP BLANK INCLUDED.

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

**Phyllis Shiller, Laboratory Director**
**August 07, 2020**
**Reviewed and Released by: Greg Lawrence, Assistant Lab Director**

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

# Analysis Report

August 07, 2020

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

| Sample Information | | Custody Information | | Date | Time |
|---|---|---|---|---|---|
| Matrix: | SOIL | Collected by: | DM | 08/03/20 | |
| Location Code: | EBC | Received by: | CP | 08/04/20 | 15:52 |
| Rush Request: | 72 Hour | Analyzed by: | see "By" below | | |
| P.O.#: | | | | | |

## Laboratory Data

SDG ID: GCG47119
Phoenix ID: CG47125

Project ID: 64 CENTRE AVE, NEW ROCHELLE NY
Client ID: TRIP BLANK LOW

| Parameter | Result | RL/ PQL | LOD/ MDL | Units | Dilution | Date/Time | By | Reference | |
|---|---|---|---|---|---|---|---|---|---|
| **Volatiles** | | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | 5.0 | 1.0 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C | |
| 1,1,1-Trichloroethane | ND | 5.0 | 0.50 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C | |
| 1,1,2,2-Tetrachloroethane | ND | 5.0 | 1.0 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C | |
| 1,1,2-Trichloroethane | ND | 5.0 | 1.0 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C | |
| 1,1-Dichloroethane | ND | 5.0 | 1.0 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C | |
| 1,1-Dichloroethene | ND | 5.0 | 0.50 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C | |
| 1,1-Dichloropropene | ND | 5.0 | 0.50 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C | |
| 1,2,3-Trichlorobenzene | ND | 5.0 | 1.0 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C | |
| 1,2,3-Trichloropropane | ND | 5.0 | 0.50 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C | |
| 1,2,4-Trichlorobenzene | ND | 5.0 | 1.0 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C | |
| 1,2,4-Trimethylbenzene | ND | 5.0 | 0.50 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C | |
| 1,2-Dibromo-3-chloropropane | ND | 5.0 | 1.0 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C | |
| 1,2-Dibromoethane | ND | 5.0 | 0.50 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C | |
| 1,2-Dichlorobenzene | ND | 5.0 | 0.50 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C | |
| 1,2-Dichloroethane | ND | 5.0 | 0.50 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C | |
| 1,2-Dichloropropane | ND | 5.0 | 1.0 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C | |
| 1,3,5-Trimethylbenzene | ND | 5.0 | 0.50 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C | |
| 1,3-Dichlorobenzene | ND | 5.0 | 0.50 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C | |
| 1,3-Dichloropropane | ND | 5.0 | 1.0 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C | |
| 1,4-Dichlorobenzene | ND | 5.0 | 0.50 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C | |
| 2,2-Dichloropropane | ND | 5.0 | 0.50 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C | |
| 2-Chlorotoluene | ND | 5.0 | 1.0 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C | |
| 2-Hexanone | ND | 25 | 5.0 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C | |
| 2-Isopropyltoluene | ND | 5.0 | 0.50 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C | 1 |
| 4-Chlorotoluene | ND | 5.0 | 0.50 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C | |
| 4-Methyl-2-pentanone | ND | 25 | 5.0 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C | |

Project ID: 64 CENTRE AVE, NEW ROCHELLE NY

Phoenix I.D.: CG47125

Client ID: TRIP BLANK LOW

| Parameter | Result | | RL/ PQL | LOD/ MDL | Units | Dilution | Date/Time | By | |
|---|---|---|---|---|---|---|---|---|---|
| Acetone | ND | | 25 | 5.0 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C |
| Acrylonitrile | ND | | 10 | 1.0 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C |
| Benzene | ND | | 5.0 | 0.50 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C |
| Bromobenzene | ND | | 5.0 | 0.50 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C |
| Bromochloromethane | ND | | 5.0 | 0.50 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C |
| Bromodichloromethane | ND | | 5.0 | 1.0 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C |
| Bromoform | ND | | 5.0 | 1.0 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C |
| Bromomethane | ND | | 5.0 | 2.0 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C |
| Carbon Disulfide | ND | | 5.0 | 1.0 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C |
| Carbon tetrachloride | ND | | 5.0 | 1.0 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C |
| Chlorobenzene | ND | | 5.0 | 0.50 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C |
| Chloroethane | ND | | 5.0 | 0.50 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C |
| Chloroform | ND | | 5.0 | 0.50 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C |
| Chloromethane | ND | | 5.0 | 1.0 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C |
| cis-1,2-Dichloroethene | ND | | 5.0 | 0.50 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C |
| cis-1,3-Dichloropropene | ND | | 5.0 | 0.50 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C |
| Dibromochloromethane | ND | | 5.0 | 1.0 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C |
| Dibromomethane | ND | | 5.0 | 1.0 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C |
| Dichlorodifluoromethane | ND | | 5.0 | 0.50 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C |
| Ethylbenzene | ND | | 5.0 | 0.50 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C |
| Hexachlorobutadiene | ND | | 5.0 | 0.50 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C |
| Isopropylbenzene | ND | | 5.0 | 0.50 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C |
| m&p-Xylene | ND | | 5.0 | 1.0 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C |
| Methyl Ethyl Ketone | ND | | 30 | 5.0 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C |
| Methyl t-butyl ether (MTBE) | ND | | 10 | 1.0 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C |
| Methylene chloride | ND | | 5.0 | 5.0 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C |
| Naphthalene | ND | | 5.0 | 1.0 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C |
| n-Butylbenzene | ND | | 5.0 | 0.50 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C |
| n-Propylbenzene | ND | | 5.0 | 1.0 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C |
| o-Xylene | ND | | 5.0 | 1.0 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C |
| p-Isopropyltoluene | ND | | 5.0 | 0.50 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C |
| sec-Butylbenzene | ND | | 5.0 | 0.50 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C |
| Styrene | ND | | 5.0 | 0.50 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C |
| tert-Butylbenzene | ND | | 5.0 | 0.50 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C |
| Tetrachloroethene | ND | | 5.0 | 1.0 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C |
| Tetrahydrofuran (THF) | ND | | 10 | 2.5 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C |
| Toluene | 0.67 | J | 5.0 | 0.50 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C |
| trans-1,2-Dichloroethene | ND | | 5.0 | 0.50 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C |
| trans-1,3-Dichloropropene | ND | | 5.0 | 0.50 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C |
| trans-1,4-dichloro-2-butene | ND | | 10 | 2.5 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C |
| Trichloroethene | ND | | 5.0 | 0.50 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C |
| Trichlorofluoromethane | ND | | 5.0 | 1.0 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C |
| Trichlorotrifluoroethane | ND | | 5.0 | 0.50 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C |
| Vinyl chloride | ND | | 5.0 | 0.50 | ug/Kg | 1 | 08/05/20 | JLI | SW8260C |
| **QA/QC Surrogates** | | | | | | | | | |
| % 1,2-dichlorobenzene-d4 | 100 | | | | % | 1 | 08/05/20 | JLI | 70 - 130 % |
| % Bromofluorobenzene | 98 | | | | % | 1 | 08/05/20 | JLI | 70 - 130 % |
| % Dibromofluoromethane | 92 | | | | % | 1 | 08/05/20 | JLI | 70 - 130 % |
| % Toluene-d8 | 98 | | | | % | 1 | 08/05/20 | JLI | 70 - 130 % |

**Ver 1**

Project ID: 64 CENTRE AVE, NEW ROCHELLE NY
Client ID: TRIP BLANK LOW

Phoenix I.D.: CG47125

| Parameter | Result | RL/ PQL | LOD/ MDL | Units | Dilution | Date/Time | By | | |
|---|---|---|---|---|---|---|---|---|---|
| **1,4-dioxane** | | | | | | | | | |
| 1,4-dioxane | ND | 75 | | ug/kg | 1 | 08/05/20 | JLI | SW8260C | |
| **QA/QC Surrogates** | | | | | | | | | |
| % 1,2-dichlorobenzene-d4 | 100 | | | % | 1 | 08/05/20 | JLI | 70 - 130 % | |
| % Bromofluorobenzene | 98 | | | % | 1 | 08/05/20 | JLI | 70 - 130 % | |
| % Dibromofluoromethane | 92 | | | % | 1 | 08/05/20 | JLI | 70 - 130 % | |
| % Toluene-d8 | 98 | | | % | 1 | 08/05/20 | JLI | 70 - 130 % | |
| **Volatiles** | | | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | 20 | | ug/Kg | 1 | 08/05/20 | JLI | SW8260C | |
| Acrolein | ND | 5.0 | | ug/Kg | 1 | 08/05/20 | JLI | SW8260C | |
| Acrylonitrile | ND | 20 | | ug/Kg | 1 | 08/05/20 | JLI | SW8260C | |
| Tert-butyl alcohol | ND | 100 | | ug/Kg | 1 | 08/05/20 | JLI | SW8260C | |
| Field Extraction | Completed | | | | | 08/03/20 | | SW5035A | 1 |

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1 QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

## Comments:

TRIP BLANK INCLUDED.

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

**Phyllis Shiller, Laboratory Director**
**August 07, 2020**
**Reviewed and Released by: Greg Lawrence, Assistant Lab Director**

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

# QA/QC Report

August 07, 2020

## QA/QC Data

SDG I.D.: GCG47119

| Parameter | Blank | Blk RL | Sample Result | Dup Result | Dup RPD | LCS % | LCSD % | LCS RPD | MS % | MSD % | MS RPD | % Rec Limits | % RPD Limits | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| QA/QC Batch 540280 (mg/kg), QC Sample No: CG47114 40X (CG47119, CG47120, CG47121, CG47122, CG47123) | | | | | | | | | | | | | | |
| **Chromium, Hexavalent - Soil** | | | | | | | | | | | | | | |
| Chromium, Hexavalent | BRL | 0.40 | <0.47 | <0.47 | NC | 105 | | | | | | 85 - 115 | 30 | |
| Chromium, Hexavalent (Ins) | | | | | | 95.4 | | | | | | 85 - 115 | 30 | |
| Chromium, Hexavalent (Sol) | | | | | | 97.6 | | | 103 | | | 85 - 115 | 30 | |
| QA/QC Batch 540109 (mg/kg), QC Sample No: CG46552 2X (CG47119, CG47120) | | | | | | | | | | | | | | |
| Mercury - Soil | BRL | 0.02 | <0.03 | <0.03 | NC | 92.2 | 91.5 | 0.8 | 78.9 | 73.6 | 7.0 | 70 - 130 | 30 | m |
| Comment: | | | | | | | | | | | | | | |
| Additional Mercury criteria: LCS acceptance range for waters is 80-120% and for soils is 70-130%. MS acceptance range is 75-125%. | | | | | | | | | | | | | | |
| QA/QC Batch 540110 (mg/kg), QC Sample No: CG47149 2X (CG47121, CG47122, CG47123) | | | | | | | | | | | | | | |
| Mercury - Soil | BRL | 0.02 | <0.07 | <0.03 | NC | 81.8 | 92.2 | 12.0 | 77.2 | 77.4 | 0.3 | 70 - 130 | 30 | |
| Comment: | | | | | | | | | | | | | | |
| Additional Mercury criteria: LCS acceptance range for waters is 80-120% and for soils is 70-130%. MS acceptance range is 75-125%. | | | | | | | | | | | | | | |
| QA/QC Batch 540027 (mg/kg), QC Sample No: CG47114 (CG47119, CG47120, CG47121, CG47122, CG47123) | | | | | | | | | | | | | | |
| **ICP Metals - Soil** | | | | | | | | | | | | | | |
| Aluminum | BRL | 5.0 | 17900 | 17400 | 2.80 | 110 | 104 | 5.6 | NC | | | 75 - 125 | 35 | |
| Antimony | BRL | 3.3 | <3.8 | <4.1 | NC | 110 | 107 | 2.8 | 88.0 | | | 75 - 125 | 35 | |
| Arsenic | BRL | 0.67 | 3.62 | 2.85 | NC | 110 | 103 | 6.6 | 94.1 | | | 75 - 125 | 35 | |
| Barium | BRL | 0.33 | 124 | 90.9 | 30.8 | 111 | 106 | 4.6 | 102 | | | 75 - 125 | 35 | |
| Beryllium | BRL | 0.27 | 0.58 | 0.52 | NC | 103 | 98.0 | 5.0 | 99.9 | | | 75 - 125 | 35 | |
| Cadmium | BRL | 0.33 | 1.07 | 0.98 | NC | 102 | 98.2 | 3.8 | 99.4 | | | 75 - 125 | 35 | |
| Calcium | BRL | 5.0 | 3130 | 2870 | 8.70 | 106 | 99.5 | 6.3 | NC | | | 75 - 125 | 35 | |
| Chromium | BRL | 0.33 | 34.5 | 31.0 | 10.7 | 105 | 99.1 | 5.8 | 96.9 | | | 75 - 125 | 35 | |
| Cobalt | BRL | 0.33 | 11.2 | 10.4 | 7.40 | 103 | 99.3 | 3.7 | 98.0 | | | 75 - 125 | 35 | |
| Copper | BRL | 0.67 | 34.0 | 22.0 | 42.9 | 103 | 98.1 | 4.9 | 93.4 | | | 75 - 125 | 35 | r |
| Iron | BRL | 5.0 | 26500 | 23200 | 13.3 | 88.1 | 81.1 | 8.3 | NC | | | 75 - 125 | 35 | |
| Lead | BRL | 0.33 | 175 | 58.8 | 99.4 | 107 | 101 | 5.8 | 66.2 | | | 75 - 125 | 35 | m,r |
| Magnesium | BRL | 5.0 | 4780 | 4260 | 11.5 | 113 | 107 | 5.5 | NC | | | 75 - 125 | 35 | |
| Manganese | BRL | 0.33 | 496 | 379 | 26.7 | 100 | 100 | 0.0 | 111 | | | 75 - 125 | 35 | |
| Molybdenum | BRL | 0.33 | 0.58 | <0.41 | NC | 108 | 105 | 2.8 | 93.5 | | | 75 - 125 | 35 | |
| Nickel | BRL | 0.33 | 26.3 | 24.3 | 7.90 | 103 | 99.1 | 3.9 | 100 | | | 75 - 125 | 35 | |
| Potassium | BRL | 5.0 | 2870 | 2270 | 23.3 | 119 | 113 | 5.2 | >130 | | | 75 - 125 | 35 | m |
| Selenium | BRL | 1.3 | <1.5 | <1.6 | NC | 106 | 103 | 2.9 | 97.3 | | | 75 - 125 | 35 | |
| Silver | BRL | 0.33 | <0.38 | <0.41 | NC | 103 | 97.8 | 5.2 | 96.5 | | | 75 - 125 | 35 | |
| Sodium | BRL | 5.0 | 256 | 235 | 8.60 | 102 | 125 | 20.3 | 99.9 | | | 75 - 125 | 35 | |
| Thallium | BRL | 3.0 | <1.5 | <3.7 | NC | 106 | 103 | 2.9 | 95.1 | | | 75 - 125 | 35 | |
| Vanadium | BRL | 0.33 | 41.0 | 37.3 | 9.50 | 109 | 104 | 4.7 | 96.7 | | | 75 - 125 | 35 | |
| Zinc | BRL | 0.67 | 107 | 61.3 | 54.3 | 107 | 102 | 4.8 | 79.6 | | | 75 - 125 | 35 | r |
| Comment: | | | | | | | | | | | | | | |
| Additional Criteria: LCS acceptance range is 80-120% MS acceptance range 75-125%. | | | | | | | | | | | | | | |

# QA/QC Data

SDG I.D.: GCG47119

| Parameter | Blank | Blk RL | Sample Result | Dup Result | Dup RPD | LCS % | LCSD % | LCS RPD | MS % | MSD % | MS RPD | % Rec Limits | % RPD Limits |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

m = This parameter is outside laboratory MS/MSD specified recovery limits.
r = This parameter is outside laboratory RPD specified recovery limits.

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

NY # 11301

# QA/QC Report

August 07, 2020

## QA/QC Data

SDG I.D.: GCG47119

| Parameter | Blank | Blk RL | Sample Result | Dup Result | Dup RPD | LCS % | LCSD % | LCS RPD | MS % | MSD % | MS RPD | % Rec Limits | % RPD Limits |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| QA/QC Batch 540075 (mg/Kg), QC Sample No: CG47111 50X (CG47119, CG47120, CG47121, CG47122, CG47123) | | | | | | | | | | | | | |
| Total Cyanide (SW9010C Distill.) | BRL | 0.50 | <0.60 | <0.60 | NC | 90.3 | | | 108 | | | 80 - 120 | 30 |
| Comment: | | | | | | | | | | | | | |
| Additional: LCS acceptance range is 80-120% for soils MS acceptance range 75-125% for soils | | | | | | | | | | | | | |
| QA/QC Batch 540092 (PH), QC Sample No: CG46770 (CG47119, CG47120) | | | | | | | | | | | | | |
| pH at 25C - Soil | | | 7.86 | 7.83 | 0.40 | 101 | | | | | | 85 - 115 | 20 |
| QA/QC Batch 540093 (PH), QC Sample No: CG47121 (CG47121, CG47122, CG47123) | | | | | | | | | | | | | |
| pH at 25C - Soil | | | 8.37 | 8.36 | 0.10 | 101 | | | | | | 85 - 115 | 20 |

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

NY # 11301

# QA/QC Report

August 07, 2020

## QA/QC Data

SDG I.D.: GCG47119

| Parameter | Blank | Blk RL | LCS % | LCSD % | LCS RPD | MS % | MSD % | MS RPD | % Rec Limits | % RPD Limits |
|---|---|---|---|---|---|---|---|---|---|---|
| QA/QC Batch 540024 (ug/Kg), QC Sample No: CG47141 2X (CG47119, CG47120, CG47121, CG47122, CG47123) | | | | | | | | | | |
| **Polychlorinated Biphenyls - Soil** | | | | | | | | | | |
| PCB-1016 | ND | 33 | 87 | 70 | 21.7 | 65 | | | 40 - 140 | 30 |
| PCB-1221 | ND | 33 | | | | | | | 40 - 140 | 30 |
| PCB-1232 | ND | 33 | | | | | | | 40 - 140 | 30 |
| PCB-1242 | ND | 33 | | | | | | | 40 - 140 | 30 |
| PCB-1248 | ND | 33 | | | | | | | 40 - 140 | 30 |
| PCB-1254 | ND | 33 | | | | | | | 40 - 140 | 30 |
| PCB-1260 | ND | 33 | 90 | 72 | 22.2 | 72 | | | 40 - 140 | 30 |
| PCB-1262 | ND | 33 | | | | | | | 40 - 140 | 30 |
| PCB-1268 | ND | 33 | | | | | | | 40 - 140 | 30 |
| % DCBP (Surrogate Rec) | 99 | % | 103 | 80 | 25.1 | 84 | | | 30 - 150 | 30 |
| % DCBP (Surrogate Rec) (Confirm | 91 | % | 94 | 86 | 8.9 | 93 | | | 30 - 150 | 30 |
| % TCMX (Surrogate Rec) | 92 | % | 93 | 80 | 15.0 | 71 | | | 30 - 150 | 30 |
| % TCMX (Surrogate Rec) (Confirm | 94 | % | 97 | 86 | 12.0 | 79 | | | 30 - 150 | 30 |
| Comment: | | | | | | | | | | |
| This batch consists of a Blank, LCS, LCSD and MS, | | | | | | | | | | |
| QA/QC Batch 540026 (ug/Kg), QC Sample No: CG47141 2X (CG47119, CG47120, CG47121, CG47122, CG47123) | | | | | | | | | | |
| **Pesticides - Soil** | | | | | | | | | | |
| 4,4' -DDD | ND | 1.7 | 55 | 63 | 13.6 | 41 | 37 | 10.3 | 40 - 140 | 30 |
| 4,4' -DDE | ND | 1.7 | 50 | 59 | 16.5 | 40 | 36 | 10.5 | 40 - 140 | 30 |
| 4,4' -DDT | ND | 1.7 | 47 | 53 | 12.0 | 35 | 31 | 12.1 | 40 - 140 | 30 |
| a-BHC | ND | 1.0 | 51 | 56 | 9.3 | 32 | 31 | 3.2 | 40 - 140 | 30 |
| a-Chlordane | ND | 3.3 | 53 | 59 | 10.7 | 38 | 35 | 8.2 | 40 - 140 | 30 |
| Aldrin | ND | 1.0 | 53 | 57 | 7.3 | 34 | 31 | 9.2 | 40 - 140 | 30 |
| b-BHC | ND | 1.0 | 58 | 64 | 9.8 | 43 | 43 | 0.0 | 40 - 140 | 30 |
| Chlordane | ND | 33 | 50 | 57 | 13.1 | 37 | 34 | 8.5 | 40 - 140 | 30 |
| d-BHC | ND | 3.3 | 50 | 57 | 13.1 | 36 | 32 | 11.8 | 40 - 140 | 30 |
| Dieldrin | ND | 1.0 | 52 | 59 | 12.6 | 38 | 34 | 11.1 | 40 - 140 | 30 |
| Endosulfan I | ND | 3.3 | 57 | 62 | 8.4 | 37 | 34 | 8.5 | 40 - 140 | 30 |
| Endosulfan II | ND | 3.3 | 54 | 62 | 13.8 | 40 | 36 | 10.5 | 40 - 140 | 30 |
| Endosulfan sulfate | ND | 3.3 | 57 | 63 | 10.0 | 37 | 34 | 8.5 | 40 - 140 | 30 |
| Endrin | ND | 3.3 | 52 | 59 | 12.6 | 38 | 35 | 8.2 | 40 - 140 | 30 |
| Endrin aldehyde | ND | 3.3 | 52 | 58 | 10.9 | 38 | 34 | 11.1 | 40 - 140 | 30 |
| Endrin ketone | ND | 3.3 | 60 | 69 | 14.0 | 46 | 41 | 11.5 | 40 - 140 | 30 |
| g-BHC | ND | 1.0 | 54 | 57 | 5.4 | 34 | 32 | 6.1 | 40 - 140 | 30 |
| g-Chlordane | ND | 3.3 | 50 | 57 | 13.1 | 37 | 34 | 8.5 | 40 - 140 | 30 |
| Heptachlor | ND | 3.3 | 51 | 56 | 9.3 | 34 | 30 | 12.5 | 40 - 140 | 30 |
| Heptachlor epoxide | ND | 3.3 | 53 | 60 | 12.4 | 39 | 35 | 10.8 | 40 - 140 | 30 |
| Methoxychlor | ND | 3.3 | 53 | 59 | 10.7 | 39 | 35 | 10.8 | 40 - 140 | 30 |
| Toxaphene | ND | 130 | NA | NA | NC | NA | NA | NC | 40 - 140 | 30 |
| % DCBP | 56 | % | 62 | 66 | 6.3 | 46 | 43 | 6.7 | 30 - 150 | 30 |

| Parameter | Blank | Blk RL | LCS % | LCSD % | LCS RPD | MS % | MSD % | MS RPD | % Rec Limits | % RPD Limits | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| % DCBP (Confirmation) | 67 | % | 74 | 80 | 7.8 | 57 | 51 | 11.1 | 30 - 150 | 30 | |
| % TCMX | 47 | % | 55 | 55 | 0.0 | 32 | 31 | 3.2 | 30 - 150 | 30 | |
| % TCMX (Confirmation) | 51 | % | 60 | 59 | 1.7 | 36 | 35 | 2.8 | 30 - 150 | 30 | |
| QA/QC Batch 540037 (ug/kg), QC Sample No: CG47128 (CG47119, CG47120, CG47121, CG47122, CG47123) | | | | | | | | | | | |
| Semivolatiles - Soil | | | | | | | | | | | |
| 1,1-Biphenyl | ND | 230 | 80 | 86 | 7.2 | 76 | 78 | 2.6 | 40 - 140 | 30 | |
| 1,2,4,5-Tetrachlorobenzene | ND | 230 | 71 | 75 | 5.5 | 68 | 74 | 8.5 | 40 - 140 | 30 | |
| 1,2,4-Trichlorobenzene | ND | 230 | 75 | 73 | 2.7 | 67 | 72 | 7.2 | 40 - 140 | 30 | |
| 1,2-Dichlorobenzene | ND | 180 | 70 | 69 | 1.4 | 60 | 63 | 4.9 | 40 - 140 | 30 | |
| 1,2-Diphenylhydrazine | ND | 230 | 90 | 90 | 0.0 | 77 | 81 | 5.1 | 40 - 140 | 30 | |
| 1,3-Dichlorobenzene | ND | 230 | 66 | 66 | 0.0 | 58 | 61 | 5.0 | 40 - 140 | 30 | |
| 1,4-Dichlorobenzene | ND | 230 | 67 | 69 | 2.9 | 60 | 62 | 3.3 | 40 - 140 | 30 | |
| 2,4,5-Trichlorophenol | ND | 230 | 92 | 97 | 5.3 | 83 | 87 | 4.7 | 40 - 140 | 30 | |
| 2,4,6-Trichlorophenol | ND | 130 | 93 | 99 | 6.3 | 87 | 88 | 1.1 | 30 - 130 | 30 | |
| 2,4-Dichlorophenol | ND | 130 | 82 | 83 | 1.2 | 77 | 81 | 5.1 | 30 - 130 | 30 | |
| 2,4-Dimethylphenol | ND | 230 | 87 | 93 | 6.7 | 70 | 79 | 12.1 | 30 - 130 | 30 | |
| 2,4-Dinitrophenol | ND | 230 | 58 | 71 | 20.2 | 76 | 81 | 6.4 | 30 - 130 | 30 | |
| 2,4-Dinitrotoluene | ND | 130 | 96 | 96 | 0.0 | 79 | 85 | 7.3 | 30 - 130 | 30 | |
| 2,6-Dinitrotoluene | ND | 130 | 95 | 97 | 2.1 | 78 | 86 | 9.8 | 40 - 140 | 30 | |
| 2-Chloronaphthalene | ND | 230 | 87 | 91 | 4.5 | 81 | 81 | 0.0 | 40 - 140 | 30 | |
| 2-Chlorophenol | ND | 230 | 79 | 80 | 1.3 | 73 | 77 | 5.3 | 30 - 130 | 30 | |
| 2-Methylnaphthalene | ND | 230 | 77 | 78 | 1.3 | 71 | 77 | 8.1 | 40 - 140 | 30 | |
| 2-Methylphenol (o-cresol) | ND | 230 | 85 | 89 | 4.6 | 76 | 80 | 5.1 | 40 - 140 | 30 | |
| 2-Nitroaniline | ND | 330 | 156 | 150 | 3.9 | 124 | 130 | 4.7 | 40 - 140 | 30 | l |
| 2-Nitrophenol | ND | 230 | 98 | 96 | 2.1 | 84 | 92 | 9.1 | 40 - 140 | 30 | |
| 3&4-Methylphenol (m&p-cresol) | ND | 230 | 87 | 95 | 8.8 | 82 | 89 | 8.2 | 30 - 130 | 30 | |
| 3,3'-Dichlorobenzidine | ND | 130 | 111 | 113 | 1.8 | 89 | 90 | 1.1 | 40 - 140 | 30 | |
| 3-Nitroaniline | ND | 330 | 107 | 107 | 0.0 | 93 | 92 | 1.1 | 40 - 140 | 30 | |
| 4,6-Dinitro-2-methylphenol | ND | 230 | 77 | 87 | 12.2 | 79 | 84 | 6.1 | 30 - 130 | 30 | |
| 4-Bromophenyl phenyl ether | ND | 230 | 88 | 93 | 5.5 | 81 | 88 | 8.3 | 40 - 140 | 30 | |
| 4-Chloro-3-methylphenol | ND | 230 | 93 | 94 | 1.1 | 84 | 89 | 5.8 | 30 - 130 | 30 | |
| 4-Chloroaniline | ND | 230 | 90 | 88 | 2.2 | 79 | 81 | 2.5 | 40 - 140 | 30 | |
| 4-Chlorophenyl phenyl ether | ND | 230 | 95 | 99 | 4.1 | 84 | 88 | 4.7 | 40 - 140 | 30 | |
| 4-Nitroaniline | ND | 230 | 99 | 99 | 0.0 | 83 | 90 | 8.1 | 40 - 140 | 30 | |
| 4-Nitrophenol | ND | 230 | 114 | 111 | 2.7 | 96 | 101 | 5.1 | 30 - 130 | 30 | |
| Acenaphthene | ND | 230 | 87 | 92 | 5.6 | 78 | 82 | 5.0 | 30 - 130 | 30 | |
| Acenaphthylene | ND | 130 | 87 | 90 | 3.4 | 77 | 80 | 3.8 | 40 - 140 | 30 | |
| Acetophenone | ND | 230 | 74 | 77 | 4.0 | 69 | 75 | 8.3 | 40 - 140 | 30 | |
| Aniline | ND | 330 | 69 | 70 | 1.4 | 54 | 55 | 1.8 | 40 - 140 | 30 | |
| Anthracene | ND | 230 | 92 | 98 | 6.3 | 85 | 89 | 4.6 | 40 - 140 | 30 | |
| Atrazine | ND | 130 | 73 | 78 | 6.6 | 65 | 70 | 7.4 | 40 - 140 | 30 | |
| Benz(a)anthracene | ND | 230 | 94 | 98 | 4.2 | 83 | 86 | 3.6 | 40 - 140 | 30 | |
| Benzaldehyde | ND | 230 | 30 | 33 | 9.5 | 71 | 61 | 15.2 | 40 - 140 | 30 | l |
| Benzidine | ND | 330 | 78 | 82 | 5.0 | <10 | <10 | NC | 40 - 140 | 30 | m |
| Benzo(a)pyrene | ND | 130 | 95 | 96 | 1.0 | 83 | 88 | 5.8 | 40 - 140 | 30 | |
| Benzo(b)fluoranthene | ND | 160 | 111 | 111 | 0.0 | 95 | 94 | 1.1 | 40 - 140 | 30 | |
| Benzo(ghi)perylene | ND | 230 | 92 | 96 | 4.3 | 79 | 85 | 7.3 | 40 - 140 | 30 | |
| Benzo(k)fluoranthene | ND | 230 | 71 | 69 | 2.9 | 61 | 59 | 3.3 | 40 - 140 | 30 | |
| Benzoic Acid | ND | 670 | 72 | 77 | 6.7 | 81 | 83 | 2.4 | 30 - 130 | 30 | |
| Benzyl butyl phthalate | ND | 230 | 99 | 101 | 2.0 | 81 | 82 | 1.2 | 40 - 140 | 30 | |
| Bis(2-chloroethoxy)methane | ND | 230 | 77 | 78 | 1.3 | 70 | 76 | 8.2 | 40 - 140 | 30 | |
| Bis(2-chloroethyl)ether | ND | 130 | 73 | 69 | 5.6 | 62 | 66 | 6.3 | 40 - 140 | 30 | |

# QA/QC Data

SDG I.D.: GCG47119

| Parameter | Blank | Blk RL | LCS % | LCSD % | LCS RPD | MS % | MSD % | MS RPD | % Rec Limits | % RPD Limits | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Bis(2-ethylhexyl)phthalate | ND | 230 | 96 | 95 | 1.0 | 85 | 84 | 1.2 | 40 - 140 | 30 | |
| Caprolactam | ND | 230 | 82 | 82 | 0.0 | 72 | 79 | 9.3 | 40 - 140 | 30 | |
| Carbazole | ND | 230 | 93 | 98 | 5.2 | 81 | 88 | 8.3 | 40 - 140 | 30 | |
| Chrysene | ND | 230 | 90 | 94 | 4.3 | 79 | 84 | 6.1 | 40 - 140 | 30 | |
| Dibenz(a,h)anthracene | ND | 130 | 95 | 99 | 4.1 | 81 | 87 | 7.1 | 40 - 140 | 30 | |
| Dibenzofuran | ND | 230 | 87 | 90 | 3.4 | 78 | 79 | 1.3 | 40 - 140 | 30 | |
| Diethyl phthalate | ND | 230 | 96 | 96 | 0.0 | 81 | 87 | 7.1 | 40 - 140 | 30 | |
| Dimethylphthalate | ND | 230 | 92 | 94 | 2.2 | 81 | 87 | 7.1 | 40 - 140 | 30 | |
| Di-n-butylphthalate | ND | 670 | 109 | 111 | 1.8 | 90 | 84 | 6.9 | 40 - 140 | 30 | |
| Di-n-octylphthalate | ND | 230 | 104 | 108 | 3.8 | 102 | 95 | 7.1 | 40 - 140 | 30 | |
| Fluoranthene | ND | 230 | 94 | 97 | 3.1 | 78 | 80 | 2.5 | 40 - 140 | 30 | |
| Fluorene | ND | 230 | 96 | 97 | 1.0 | 84 | 89 | 5.8 | 40 - 140 | 30 | |
| Hexachlorobenzene | ND | 130 | 98 | 104 | 5.9 | 85 | 92 | 7.9 | 40 - 140 | 30 | |
| Hexachlorobutadiene | ND | 230 | 78 | 76 | 2.6 | 69 | 74 | 7.0 | 40 - 140 | 30 | |
| Hexachlorocyclopentadiene | ND | 230 | 71 | 76 | 6.8 | 66 | 73 | 10.1 | 40 - 140 | 30 | |
| Hexachloroethane | ND | 130 | 72 | 73 | 1.4 | 64 | 67 | 4.6 | 40 - 140 | 30 | |
| Indeno(1,2,3-cd)pyrene | ND | 230 | 95 | 97 | 2.1 | 79 | 85 | 7.3 | 40 - 140 | 30 | |
| Isophorone | ND | 130 | 75 | 74 | 1.3 | 66 | 72 | 8.7 | 40 - 140 | 30 | |
| Naphthalene | ND | 230 | 79 | 77 | 2.6 | 71 | 75 | 5.5 | 40 - 140 | 30 | |
| Nitrobenzene | ND | 130 | 79 | 80 | 1.3 | 73 | 80 | 9.2 | 40 - 140 | 30 | |
| N-Nitrosodimethylamine | ND | 230 | 46 | 50 | 8.3 | 40 | 41 | 2.5 | 40 - 140 | 30 | |
| N-Nitrosodi-n-propylamine | ND | 130 | 77 | 80 | 3.8 | 71 | 78 | 9.4 | 40 - 140 | 30 | |
| N-Nitrosodiphenylamine | ND | 130 | 93 | 92 | 1.1 | 77 | 80 | 3.8 | 40 - 140 | 30 | |
| Pentachloronitrobenzene | ND | 230 | 94 | 102 | 8.2 | 83 | 91 | 9.2 | 40 - 140 | 30 | |
| Pentachlorophenol | ND | 230 | 86 | 89 | 3.4 | 80 | 80 | 0.0 | 30 - 130 | 30 | |
| Phenanthrene | ND | 130 | 89 | 96 | 7.6 | 82 | 87 | 5.9 | 40 - 140 | 30 | |
| Phenol | ND | 230 | 81 | 84 | 3.6 | 75 | 80 | 6.5 | 30 - 130 | 30 | |
| Pyrene | ND | 230 | 97 | 99 | 2.0 | 73 | 74 | 1.4 | 30 - 130 | 30 | |
| Pyridine | ND | 230 | 40 | 42 | 4.9 | 36 | 34 | 5.7 | 40 - 140 | 30 | m |
| % 2,4,6-Tribromophenol | 102 | % | 111 | 113 | 1.8 | 96 | 100 | 4.1 | 30 - 130 | 30 | |
| % 2-Fluorobiphenyl | 69 | % | 78 | 81 | 3.8 | 69 | 73 | 5.6 | 30 - 130 | 30 | |
| % 2-Fluorophenol | 66 | % | 75 | 75 | 0.0 | 66 | 69 | 4.4 | 30 - 130 | 30 | |
| % Nitrobenzene-d5 | 72 | % | 73 | 74 | 1.4 | 66 | 72 | 8.7 | 30 - 130 | 30 | |
| % Phenol-d5 | 71 | % | 78 | 79 | 1.3 | 71 | 77 | 8.1 | 30 - 130 | 30 | |
| % Terphenyl-d14 | 85 | % | 100 | 102 | 2.0 | 73 | 72 | 1.4 | 30 - 130 | 30 | |

Comment:

Additional 8270 criteria: 20% of compounds can be outside of acceptance criteria as long as recovery is at least 10%. (Acid surrogates acceptance range for aqueous samples: 15-110%, for soils 30-130%)

QA/QC Batch 540346 (ug/kg), QC Sample No: CG47112 (CG47119, CG47120, CG47121, CG47125)

## Volatiles - Soil (Low Level)

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1,1,1,2-Tetrachloroethane | ND | 5.0 | 102 | 105 | 2.9 | 83 | | | 70 - 130 | 30 | |
| 1,1,1-Trichloroethane | ND | 5.0 | 102 | 105 | 2.9 | 78 | | | 70 - 130 | 30 | |
| 1,1,2,2-Tetrachloroethane | ND | 3.0 | 106 | 110 | 3.7 | 83 | | | 70 - 130 | 30 | |
| 1,1,2-Trichloroethane | ND | 5.0 | 101 | 102 | 1.0 | 82 | | | 70 - 130 | 30 | |
| 1,1-Dichloroethane | ND | 5.0 | 102 | 106 | 3.8 | 79 | | | 70 - 130 | 30 | |
| 1,1-Dichloroethene | ND | 5.0 | 112 | 118 | 5.2 | 85 | | | 70 - 130 | 30 | |
| 1,1-Dichloropropene | ND | 5.0 | 107 | 108 | 0.9 | 86 | | | 70 - 130 | 30 | |
| 1,2,3-Trichlorobenzene | ND | 5.0 | 114 | 110 | 3.6 | 70 | | | 70 - 130 | 30 | |
| 1,2,3-Trichloropropane | ND | 5.0 | 100 | 106 | 5.8 | 83 | | | 70 - 130 | 30 | |
| 1,2,4-Trichlorobenzene | ND | 5.0 | 117 | 112 | 4.4 | 69 | | | 70 - 130 | 30 | m |
| 1,2,4-Trimethylbenzene | ND | 1.0 | 104 | 104 | 0.0 | 79 | | | 70 - 130 | 30 | |
| 1,2-Dibromo-3-chloropropane | ND | 5.0 | 106 | 110 | 3.7 | 77 | | | 70 - 130 | 30 | |

# QA/QC Data

SDG I.D.: GCG47119

| Parameter | Blank | Blk RL | LCS % | LCSD % | LCS RPD | MS % | MSD % | MS RPD | % Rec Limits | % RPD Limits | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1,2-Dibromoethane | ND | 5.0 | 99 | 104 | 4.9 | 80 | | | 70 - 130 | 30 | |
| 1,2-Dichlorobenzene | ND | 5.0 | 104 | 105 | 1.0 | 77 | | | 70 - 130 | 30 | |
| 1,2-Dichloroethane | ND | 5.0 | 100 | 103 | 3.0 | 82 | | | 70 - 130 | 30 | |
| 1,2-Dichloropropane | ND | 5.0 | 99 | 103 | 4.0 | 85 | | | 70 - 130 | 30 | |
| 1,3,5-Trimethylbenzene | ND | 1.0 | 104 | 104 | 0.0 | 80 | | | 70 - 130 | 30 | |
| 1,3-Dichlorobenzene | ND | 5.0 | 107 | 106 | 0.9 | 76 | | | 70 - 130 | 30 | |
| 1,3-Dichloropropane | ND | 5.0 | 101 | 105 | 3.9 | 84 | | | 70 - 130 | 30 | |
| 1,4-Dichlorobenzene | ND | 5.0 | 104 | 104 | 0.0 | 74 | | | 70 - 130 | 30 | |
| 1,4-dioxane | ND | 100 | 109 | 110 | 0.9 | 87 | | | 70 - 130 | 30 | |
| 2,2-Dichloropropane | ND | 5.0 | 108 | 111 | 2.7 | 77 | | | 70 - 130 | 30 | |
| 2-Chlorotoluene | ND | 5.0 | 106 | 106 | 0.0 | 81 | | | 70 - 130 | 30 | |
| 2-Hexanone | ND | 25 | 104 | 108 | 3.8 | 85 | | | 70 - 130 | 30 | |
| 2-Isopropyltoluene | ND | 5.0 | 106 | 107 | 0.9 | 83 | | | 70 - 130 | 30 | |
| 4-Chlorotoluene | ND | 5.0 | 106 | 105 | 0.9 | 78 | | | 70 - 130 | 30 | |
| 4-Methyl-2-pentanone | ND | 25 | 101 | 107 | 5.8 | 85 | | | 70 - 130 | 30 | |
| Acetone | ND | 10 | 126 | 127 | 0.8 | 111 | | | 70 - 130 | 30 | |
| Acrolein | ND | 25 | 88 | 93 | 5.5 | 52 | | | 70 - 130 | 30 | m |
| Acrylonitrile | ND | 5.0 | 98 | 109 | 10.6 | 76 | | | 70 - 130 | 30 | |
| Benzene | ND | 1.0 | 103 | 106 | 2.9 | 86 | | | 70 - 130 | 30 | |
| Bromobenzene | ND | 5.0 | 103 | 105 | 1.9 | 79 | | | 70 - 130 | 30 | |
| Bromochloromethane | ND | 5.0 | 101 | 103 | 2.0 | 79 | | | 70 - 130 | 30 | |
| Bromodichloromethane | ND | 5.0 | 102 | 104 | 1.9 | 80 | | | 70 - 130 | 30 | |
| Bromoform | ND | 5.0 | 104 | 107 | 2.8 | 74 | | | 70 - 130 | 30 | |
| Bromomethane | ND | 5.0 | 111 | 118 | 6.1 | 81 | | | 70 - 130 | 30 | |
| Carbon Disulfide | ND | 5.0 | 117 | 120 | 2.5 | 81 | | | 70 - 130 | 30 | |
| Carbon tetrachloride | ND | 5.0 | 108 | 110 | 1.8 | 76 | | | 70 - 130 | 30 | |
| Chlorobenzene | ND | 5.0 | 102 | 105 | 2.9 | 82 | | | 70 - 130 | 30 | |
| Chloroethane | ND | 5.0 | 108 | 115 | 6.3 | 84 | | | 70 - 130 | 30 | |
| Chloroform | ND | 5.0 | 100 | 103 | 3.0 | 77 | | | 70 - 130 | 30 | |
| Chloromethane | ND | 5.0 | 107 | 111 | 3.7 | 80 | | | 70 - 130 | 30 | |
| cis-1,2-Dichloroethene | ND | 5.0 | 100 | 91 | 9.4 | 82 | | | 70 - 130 | 30 | |
| cis-1,3-Dichloropropene | ND | 5.0 | 102 | 105 | 2.9 | 79 | | | 70 - 130 | 30 | |
| Dibromochloromethane | ND | 3.0 | 108 | 110 | 1.8 | 84 | | | 70 - 130 | 30 | |
| Dibromomethane | ND | 5.0 | 99 | 101 | 2.0 | 80 | | | 70 - 130 | 30 | |
| Dichlorodifluoromethane | ND | 5.0 | 131 | 134 | 2.3 | 94 | | | 70 - 130 | 30 | l |
| Ethylbenzene | ND | 1.0 | 105 | 105 | 0.0 | 84 | | | 70 - 130 | 30 | |
| Hexachlorobutadiene | ND | 5.0 | 119 | 112 | 6.1 | 73 | | | 70 - 130 | 30 | |
| Isopropylbenzene | ND | 1.0 | 105 | 108 | 2.8 | 84 | | | 70 - 130 | 30 | |
| m&p-Xylene | ND | 2.0 | 103 | 105 | 1.9 | 84 | | | 70 - 130 | 30 | |
| Methyl ethyl ketone | ND | 5.0 | 112 | 114 | 1.8 | 86 | | | 70 - 130 | 30 | |
| Methyl t-butyl ether (MTBE) | ND | 1.0 | 95 | 99 | 4.1 | 74 | | | 70 - 130 | 30 | |
| Methylene chloride | ND | 5.0 | 93 | 95 | 2.1 | 73 | | | 70 - 130 | 30 | |
| Naphthalene | ND | 5.0 | 113 | 116 | 2.6 | 73 | | | 70 - 130 | 30 | |
| n-Butylbenzene | ND | 1.0 | 113 | 107 | 5.5 | 79 | | | 70 - 130 | 30 | |
| n-Propylbenzene | ND | 1.0 | 108 | 107 | 0.9 | 82 | | | 70 - 130 | 30 | |
| o-Xylene | ND | 2.0 | 104 | 105 | 1.0 | 84 | | | 70 - 130 | 30 | |
| p-Isopropyltoluene | ND | 1.0 | 110 | 107 | 2.8 | 82 | | | 70 - 130 | 30 | |
| sec-Butylbenzene | ND | 1.0 | 114 | 113 | 0.9 | 87 | | | 70 - 130 | 30 | |
| Styrene | ND | 5.0 | 102 | 104 | 1.9 | 80 | | | 70 - 130 | 30 | |
| tert-butyl alcohol | ND | 100 | 106 | 102 | 3.8 | 77 | | | 70 - 130 | 30 | |
| tert-Butylbenzene | ND | 1.0 | 105 | 106 | 0.9 | 83 | | | 70 - 130 | 30 | |
| Tetrachloroethene | ND | 5.0 | 108 | 106 | 1.9 | 86 | | | 70 - 130 | 30 | |
| Tetrahydrofuran (THF) | ND | 5.0 | 100 | 107 | 6.8 | 81 | | | 70 - 130 | 30 | |

| Parameter | Blank | Blk RL | LCS % | LCSD % | LCS RPD | MS % | MSD % | MS RPD | % Rec Limits | % RPD Limits |
|---|---|---|---|---|---|---|---|---|---|---|
| Toluene | ND | 1.0 | 105 | 107 | 1.9 | 85 | | | 70 - 130 | 30 |
| trans-1,2-Dichloroethene | ND | 5.0 | 116 | 119 | 2.6 | 86 | | | 70 - 130 | 30 |
| trans-1,3-Dichloropropene | ND | 5.0 | 103 | 104 | 1.0 | 77 | | | 70 - 130 | 30 |
| trans-1,4-dichloro-2-butene | ND | 5.0 | 119 | 126 | 5.7 | 81 | | | 70 - 130 | 30 |
| Trichloroethene | ND | 5.0 | 105 | 107 | 1.9 | 86 | | | 70 - 130 | 30 |
| Trichlorofluoromethane | ND | 5.0 | 121 | 121 | 0.0 | 87 | | | 70 - 130 | 30 |
| Trichlorotrifluoroethane | ND | 5.0 | 114 | 110 | 3.6 | 82 | | | 70 - 130 | 30 |
| Vinyl chloride | ND | 5.0 | 124 | 126 | 1.6 | 92 | | | 70 - 130 | 30 |
| % 1,2-dichlorobenzene-d4 | 100 | % | 100 | 101 | 1.0 | 99 | | | 70 - 130 | 30 |
| % Bromofluorobenzene | 98 | % | 99 | 99 | 0.0 | 99 | | | 70 - 130 | 30 |
| % Dibromofluoromethane | 98 | % | 100 | 101 | 1.0 | 90 | | | 70 - 130 | 30 |
| % Toluene-d8 | 99 | % | 100 | 100 | 0.0 | 100 | | | 70 - 130 | 30 |

Comment:

The MSD is not reported for this LL soil batch.

Additional 8260 criteria: 10% of LCS/LCSD compounds can be outside of acceptance criteria as long as recovery is 40-160%, 25-160% for Chloroethane-HL and Trichlorofluoromethane-HL.

QA/QC Batch 540346H (ug/kg), QC Sample No: CG47112 50X (CG47124 (50X) )

## Volatiles - Soil (High Level)

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,1,1,2-Tetrachloroethane | ND | 250 | 107 | 103 | 3.8 | 95 | 88 | 7.7 | 70 - 130 | 30 |
| 1,1,1-Trichloroethane | ND | 250 | 106 | 101 | 4.8 | 90 | 84 | 6.9 | 70 - 130 | 30 |
| 1,1,2,2-Tetrachloroethane | ND | 250 | 111 | 106 | 4.6 | 98 | 91 | 7.4 | 70 - 130 | 30 |
| 1,1,2-Trichloroethane | ND | 250 | 103 | 98 | 5.0 | 93 | 85 | 9.0 | 70 - 130 | 30 |
| 1,1-Dichloroethane | ND | 250 | 106 | 101 | 4.8 | 91 | 85 | 6.8 | 70 - 130 | 30 |
| 1,1-Dichloroethene | ND | 250 | 110 | 105 | 4.7 | 101 | 91 | 10.4 | 70 - 130 | 30 |
| 1,1-Dichloropropene | ND | 250 | 112 | 109 | 2.7 | 104 | 96 | 8.0 | 70 - 130 | 30 |
| 1,2,3-Trichlorobenzene | ND | 250 | 120 | 114 | 5.1 | 97 | 91 | 6.4 | 70 - 130 | 30 |
| 1,2,3-Trichloropropane | ND | 250 | 102 | 99 | 3.0 | 97 | 91 | 6.4 | 70 - 130 | 30 |
| 1,2,4-Trichlorobenzene | ND | 250 | 126 | 120 | 4.9 | 100 | 93 | 7.3 | 70 - 130 | 30 |
| 1,2,4-Trimethylbenzene | ND | 250 | 108 | 103 | 4.7 | 98 | 90 | 8.5 | 70 - 130 | 30 |
| 1,2-Dibromo-3-chloropropane | ND | 250 | 112 | 108 | 3.6 | 90 | 84 | 6.9 | 70 - 130 | 30 |
| 1,2-Dibromoethane | ND | 250 | 104 | 100 | 3.9 | 94 | 88 | 6.6 | 70 - 130 | 30 |
| 1,2-Dichlorobenzene | ND | 250 | 110 | 105 | 4.7 | 95 | 88 | 7.7 | 70 - 130 | 30 |
| 1,2-Dichloroethane | ND | 250 | 102 | 98 | 4.0 | 95 | 87 | 8.8 | 70 - 130 | 30 |
| 1,2-Dichloropropane | ND | 250 | 104 | 101 | 2.9 | 96 | 88 | 8.7 | 70 - 130 | 30 |
| 1,3,5-Trimethylbenzene | ND | 250 | 109 | 104 | 4.7 | 99 | 91 | 8.4 | 70 - 130 | 30 |
| 1,3-Dichlorobenzene | ND | 250 | 111 | 107 | 3.7 | 99 | 90 | 9.5 | 70 - 130 | 30 |
| 1,3-Dichloropropane | ND | 250 | 106 | 103 | 2.9 | 98 | 91 | 7.4 | 70 - 130 | 30 |
| 1,4-Dichlorobenzene | ND | 250 | 110 | 106 | 3.7 | 97 | 90 | 7.5 | 70 - 130 | 30 |
| 1,4-dioxane | ND | 5000 | 121 | 108 | 11.4 | 103 | 98 | 5.0 | 70 - 130 | 30 |
| 2,2-Dichloropropane | ND | 250 | 102 | 92 | 10.3 | 92 | 85 | 7.9 | 70 - 130 | 30 |
| 2-Chlorotoluene | ND | 250 | 109 | 104 | 4.7 | 100 | 92 | 8.3 | 70 - 130 | 30 |
| 2-Hexanone | ND | 1300 | 99 | 97 | 2.0 | 94 | 89 | 5.5 | 70 - 130 | 30 |
| 2-Isopropyltoluene | ND | 250 | 111 | 107 | 3.7 | 101 | 94 | 7.2 | 70 - 130 | 30 |
| 4-Chlorotoluene | ND | 250 | 109 | 105 | 3.7 | 97 | 90 | 7.5 | 70 - 130 | 30 |
| 4-Methyl-2-pentanone | ND | 1300 | 103 | 99 | 4.0 | 98 | 92 | 6.3 | 70 - 130 | 30 |
| Acetone | ND | 500 | 102 | 88 | 14.7 | 85 | 80 | 6.1 | 70 - 130 | 30 |
| Acrolein | ND | 1300 | 84 | 81 | 3.6 | 77 | 74 | 4.0 | 70 - 130 | 30 |
| Acrylonitrile | ND | 250 | 104 | 100 | 3.9 | 92 | 87 | 5.6 | 70 - 130 | 30 |
| Benzene | ND | 250 | 108 | 104 | 3.8 | 100 | 92 | 8.3 | 70 - 130 | 30 |
| Bromobenzene | ND | 250 | 106 | 101 | 4.8 | 96 | 88 | 8.7 | 70 - 130 | 30 |
| Bromochloromethane | ND | 250 | 103 | 97 | 6.0 | 89 | 85 | 4.6 | 70 - 130 | 30 |
| Bromodichloromethane | ND | 250 | 103 | 98 | 5.0 | 91 | 84 | 8.0 | 70 - 130 | 30 |

# QA/QC Data

SDG I.D.: GCG47119

| Parameter | Blank | Blk RL | LCS % | LCSD % | LCS RPD | MS % | MSD % | MS RPD | % Rec Limits | % RPD Limits | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Bromoform | ND | 250 | 103 | 99 | 4.0 | 85 | 82 | 3.6 | 70 - 130 | 30 | |
| Bromomethane | ND | 250 | 83 | 87 | 4.7 | 92 | 88 | 4.4 | 70 - 130 | 30 | |
| Carbon Disulfide | ND | 250 | 111 | 110 | 0.9 | 100 | 93 | 7.3 | 70 - 130 | 30 | |
| Carbon tetrachloride | ND | 250 | 110 | 103 | 6.6 | 88 | 83 | 5.8 | 70 - 130 | 30 | |
| Chlorobenzene | ND | 250 | 109 | 105 | 3.7 | 99 | 93 | 6.3 | 70 - 130 | 30 | |
| Chloroethane | ND | 250 | 49 | 46 | 6.3 | 94 | 91 | 3.2 | 70 - 130 | 30 | I |
| Chloroform | ND | 250 | 103 | 96 | 7.0 | 88 | 81 | 8.3 | 70 - 130 | 30 | |
| Chloromethane | ND | 250 | 119 | 108 | 9.7 | 93 | 85 | 9.0 | 70 - 130 | 30 | |
| cis-1,2-Dichloroethene | ND | 250 | 89 | 85 | 4.6 | 91 | 87 | 4.5 | 70 - 130 | 30 | |
| cis-1,3-Dichloropropene | ND | 250 | 106 | 101 | 4.8 | 91 | 85 | 6.8 | 70 - 130 | 30 | |
| Dibromochloromethane | ND | 150 | 110 | 104 | 5.6 | 96 | 90 | 6.5 | 70 - 130 | 30 | |
| Dibromomethane | ND | 250 | 99 | 95 | 4.1 | 91 | 85 | 6.8 | 70 - 130 | 30 | |
| Dichlorodifluoromethane | ND | 250 | 136 | 129 | 5.3 | 117 | 106 | 9.9 | 70 - 130 | 30 | I |
| Ethylbenzene | ND | 250 | 112 | 108 | 3.6 | 102 | 96 | 6.1 | 70 - 130 | 30 | |
| Hexachlorobutadiene | ND | 250 | 132 | 124 | 6.3 | 112 | 102 | 9.3 | 70 - 130 | 30 | I |
| Isopropylbenzene | ND | 250 | 110 | 107 | 2.8 | 102 | 95 | 7.1 | 70 - 130 | 30 | |
| m&p-Xylene | ND | 250 | 112 | 107 | 4.6 | 101 | 95 | 6.1 | 70 - 130 | 30 | |
| Methyl ethyl ketone | ND | 250 | 107 | 95 | 11.9 | 86 | 83 | 3.6 | 70 - 130 | 30 | |
| Methyl t-butyl ether (MTBE) | ND | 250 | 97 | 92 | 5.3 | 82 | 77 | 6.3 | 70 - 130 | 30 | |
| Methylene chloride | ND | 250 | 95 | 90 | 5.4 | 81 | 75 | 7.7 | 70 - 130 | 30 | |
| Naphthalene | ND | 250 | 118 | 112 | 5.2 | 97 | 92 | 5.3 | 70 - 130 | 30 | |
| n-Butylbenzene | ND | 250 | 121 | 116 | 4.2 | 108 | 99 | 8.7 | 70 - 130 | 30 | |
| n-Propylbenzene | ND | 250 | 113 | 110 | 2.7 | 104 | 95 | 9.0 | 70 - 130 | 30 | |
| o-Xylene | ND | 250 | 110 | 107 | 2.8 | 100 | 93 | 7.3 | 70 - 130 | 30 | |
| p-Isopropyltoluene | ND | 250 | 116 | 111 | 4.4 | 105 | 97 | 7.9 | 70 - 130 | 30 | |
| sec-Butylbenzene | ND | 250 | 120 | 116 | 3.4 | 111 | 102 | 8.5 | 70 - 130 | 30 | |
| Styrene | ND | 250 | 108 | 105 | 2.8 | 96 | 91 | 5.3 | 70 - 130 | 30 | |
| tert-butyl alcohol | ND | 5000 | 101 | 97 | 4.0 | 93 | 87 | 6.7 | 70 - 130 | 30 | |
| tert-Butylbenzene | ND | 250 | 109 | 105 | 3.7 | 102 | 93 | 9.2 | 70 - 130 | 30 | |
| Tetrachloroethene | ND | 250 | 114 | 111 | 2.7 | 106 | 97 | 8.9 | 70 - 130 | 30 | |
| Tetrahydrofuran (THF) | ND | 250 | 106 | 100 | 5.8 | 97 | 92 | 5.3 | 70 - 130 | 30 | |
| Toluene | ND | 250 | 109 | 105 | 3.7 | 100 | 93 | 7.3 | 70 - 130 | 30 | |
| trans-1,2-Dichloroethene | ND | 250 | 121 | 116 | 4.2 | 104 | 96 | 8.0 | 70 - 130 | 30 | |
| trans-1,3-Dichloropropene | ND | 250 | 103 | 99 | 4.0 | 89 | 83 | 7.0 | 70 - 130 | 30 | |
| trans-1,4-dichloro-2-butene | ND | 250 | 123 | 118 | 4.1 | 99 | 93 | 6.3 | 70 - 130 | 30 | |
| Trichloroethene | ND | 250 | 109 | 106 | 2.8 | 102 | 94 | 8.2 | 70 - 130 | 30 | |
| Trichlorofluoromethane | ND | 250 | 33 | 32 | 3.1 | 106 | 97 | 8.9 | 70 - 130 | 30 | I |
| Trichlorotrifluoroethane | ND | 250 | 110 | 109 | 0.9 | 102 | 93 | 9.2 | 70 - 130 | 30 | |
| Vinyl chloride | ND | 250 | 140 | 134 | 4.4 | 109 | 101 | 7.6 | 70 - 130 | 30 | I |
| % 1,2-dichlorobenzene-d4 | 100 | % | 102 | 100 | 2.0 | 98 | 99 | 1.0 | 70 - 130 | 30 | |
| % Bromofluorobenzene | 97 | % | 99 | 100 | 1.0 | 99 | 99 | 0.0 | 70 - 130 | 30 | |
| % Dibromofluoromethane | 93 | % | 98 | 97 | 1.0 | 90 | 91 | 1.1 | 70 - 130 | 30 | |
| % Toluene-d8 | 100 | % | 100 | 99 | 1.0 | 100 | 99 | 1.0 | 70 - 130 | 30 | |

Comment:

Additional 8260 criteria: 10% of LCS/LCSD compounds can be outside of acceptance criteria as long as recovery is 40-160%, 25-160% for Chloroethane-HL and Trichlorofluoromethane-HL.

QA/QC Batch 540513H (ug/kg), QC Sample No: CG47561 50X (CG47121 (50X) )

## Volatiles - Soil (High Level)

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1,2,4-Trimethylbenzene | ND | 250 | 98 | 98 | 0.0 | 98 | 101 | 3.0 | 70 - 130 | 30 | |
| 1,3,5-Trimethylbenzene | ND | 250 | 98 | 98 | 0.0 | 100 | 102 | 2.0 | 70 - 130 | 30 | |
| Benzene | ND | 250 | 102 | 102 | 0.0 | 103 | 106 | 2.9 | 70 - 130 | 30 | |
| Ethylbenzene | ND | 250 | 105 | 105 | 0.0 | 108 | 110 | 1.8 | 70 - 130 | 30 | |

| Parameter | Blank | Blk RL | LCS % | LCSD % | LCS RPD | MS % | MSD % | MS RPD | % Rec Limits | % RPD Limits |
|---|---|---|---|---|---|---|---|---|---|---|
| m&p-Xylene | ND | 250 | 105 | 105 | 0.0 | 107 | 109 | 1.9 | 70 - 130 | 30 |
| o-Xylene | ND | 250 | 103 | 102 | 1.0 | 104 | 107 | 2.8 | 70 - 130 | 30 |
| Toluene | ND | 250 | 103 | 102 | 1.0 | 104 | 106 | 1.9 | 70 - 130 | 30 |
| % 1,2-dichlorobenzene-d4 | 101 | % | 100 | 100 | 0.0 | 102 | 101 | 1.0 | 70 - 130 | 30 |
| % Bromofluorobenzene | 98 | % | 101 | 100 | 1.0 | 100 | 100 | 0.0 | 70 - 130 | 30 |
| % Dibromofluoromethane | 89 | % | 92 | 90 | 2.2 | 90 | 91 | 1.1 | 70 - 130 | 30 |
| % Toluene-d8 | 99 | % | 100 | 101 | 1.0 | 101 | 100 | 1.0 | 70 - 130 | 30 |

Comment:

Additional 8260 criteria: 10% of LCS/LCSD compounds can be outside of acceptance criteria as long as recovery is 40-160%, 25-160% for Chloroethane-HL and Trichlorofluoromethane-HL.

QA/QC Batch 540332 (ug/kg), QC Sample No: CG47912 (CG47122, CG47123)

## Volatiles - Soil (Low Level)

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,1,1,2-Tetrachloroethane | ND | 5.0 | 85 | 87 | 2.3 | | | | 70 - 130 | 30 |
| 1,1,1-Trichloroethane | ND | 5.0 | 83 | 84 | 1.2 | | | | 70 - 130 | 30 |
| 1,1,2,2-Tetrachloroethane | ND | 3.0 | 84 | 87 | 3.5 | | | | 70 - 130 | 30 |
| 1,1,2-Trichloroethane | ND | 5.0 | 83 | 84 | 1.2 | | | | 70 - 130 | 30 |
| 1,1-Dichloroethane | ND | 5.0 | 84 | 85 | 1.2 | | | | 70 - 130 | 30 |
| 1,1-Dichloroethene | ND | 5.0 | 93 | 91 | 2.2 | | | | 70 - 130 | 30 |
| 1,1-Dichloropropene | ND | 5.0 | 94 | 95 | 1.1 | | | | 70 - 130 | 30 |
| 1,2,3-Trichlorobenzene | ND | 5.0 | 78 | 81 | 3.8 | | | | 70 - 130 | 30 |
| 1,2,3-Trichloropropane | ND | 5.0 | 83 | 85 | 2.4 | | | | 70 - 130 | 30 |
| 1,2,4-Trichlorobenzene | ND | 5.0 | 75 | 78 | 3.9 | | | | 70 - 130 | 30 |
| 1,2,4-Trimethylbenzene | ND | 1.0 | 82 | 84 | 2.4 | | | | 70 - 130 | 30 |
| 1,2-Dibromo-3-chloropropane | ND | 5.0 | 75 | 81 | 7.7 | | | | 70 - 130 | 30 |
| 1,2-Dibromoethane | ND | 5.0 | 82 | 84 | 2.4 | | | | 70 - 130 | 30 |
| 1,2-Dichlorobenzene | ND | 5.0 | 81 | 82 | 1.2 | | | | 70 - 130 | 30 |
| 1,2-Dichloroethane | ND | 5.0 | 85 | 86 | 1.2 | | | | 70 - 130 | 30 |
| 1,2-Dichloropropane | ND | 5.0 | 87 | 88 | 1.1 | | | | 70 - 130 | 30 |
| 1,3,5-Trimethylbenzene | ND | 1.0 | 84 | 85 | 1.2 | | | | 70 - 130 | 30 |
| 1,3-Dichlorobenzene | ND | 5.0 | 81 | 82 | 1.2 | | | | 70 - 130 | 30 |
| 1,3-Dichloropropane | ND | 5.0 | 86 | 87 | 1.2 | | | | 70 - 130 | 30 |
| 1,4-Dichlorobenzene | ND | 5.0 | 79 | 80 | 1.3 | | | | 70 - 130 | 30 |
| 1,4-dioxane | ND | 100 | 92 | 111 | 18.7 | | | | 70 - 130 | 30 |
| 2,2-Dichloropropane | ND | 5.0 | 82 | 86 | 4.8 | | | | 70 - 130 | 30 |
| 2-Chlorotoluene | ND | 5.0 | 86 | 86 | 0.0 | | | | 70 - 130 | 30 |
| 2-Hexanone | ND | 25 | 80 | 84 | 4.9 | | | | 70 - 130 | 30 |
| 2-Isopropyltoluene | ND | 5.0 | 88 | 90 | 2.2 | | | | 70 - 130 | 30 |
| 4-Chlorotoluene | ND | 5.0 | 82 | 84 | 2.4 | | | | 70 - 130 | 30 |
| 4-Methyl-2-pentanone | ND | 25 | 83 | 87 | 4.7 | | | | 70 - 130 | 30 |
| Acetone | ND | 10 | 88 | 91 | 3.4 | | | | 70 - 130 | 30 |
| Acrolein | ND | 25 | 66 | 70 | 5.9 | | | | 70 - 130 | 30 |
| Acrylonitrile | ND | 5.0 | 78 | 81 | 3.8 | | | | 70 - 130 | 30 |
| Benzene | ND | 1.0 | 90 | 91 | 1.1 | | | | 70 - 130 | 30 |
| Bromobenzene | ND | 5.0 | 82 | 84 | 2.4 | | | | 70 - 130 | 30 |
| Bromochloromethane | ND | 5.0 | 81 | 82 | 1.2 | | | | 70 - 130 | 30 |
| Bromodichloromethane | ND | 5.0 | 83 | 85 | 2.4 | | | | 70 - 130 | 30 |
| Bromoform | ND | 5.0 | 78 | 80 | 2.5 | | | | 70 - 130 | 30 |
| Bromomethane | ND | 5.0 | 88 | 87 | 1.1 | | | | 70 - 130 | 30 |
| Carbon Disulfide | ND | 5.0 | 91 | 92 | 1.1 | | | | 70 - 130 | 30 |
| Carbon tetrachloride | ND | 5.0 | 84 | 84 | 0.0 | | | | 70 - 130 | 30 |
| Chlorobenzene | ND | 5.0 | 88 | 87 | 1.1 | | | | 70 - 130 | 30 |
| Chloroethane | ND | 5.0 | 90 | 88 | 2.2 | | | | 70 - 130 | 30 |

# QA/QC Data

SDG I.D.: GCG47119

| Parameter | Blank | Blk RL | LCS % | LCSD % | LCS RPD | MS % | MSD % | MS RPD | % Rec Limits | % RPD Limits |
|---|---|---|---|---|---|---|---|---|---|---|
| Chloroform | ND | 5.0 | 80 | 82 | 2.5 | | | | 70 - 130 | 30 |
| Chloromethane | ND | 5.0 | 84 | 85 | 1.2 | | | | 70 - 130 | 30 |
| cis-1,2-Dichloroethene | ND | 5.0 | 87 | 85 | 2.3 | | | | 70 - 130 | 30 |
| cis-1,3-Dichloropropene | ND | 5.0 | 83 | 84 | 1.2 | | | | 70 - 130 | 30 |
| Dibromochloromethane | ND | 3.0 | 87 | 88 | 1.1 | | | | 70 - 130 | 30 |
| Dibromomethane | ND | 5.0 | 82 | 83 | 1.2 | | | | 70 - 130 | 30 |
| Dichlorodifluoromethane | ND | 5.0 | 101 | 99 | 2.0 | | | | 70 - 130 | 30 |
| Ethylbenzene | ND | 1.0 | 91 | 91 | 0.0 | | | | 70 - 130 | 30 |
| Hexachlorobutadiene | ND | 5.0 | 91 | 93 | 2.2 | | | | 70 - 130 | 30 |
| Isopropylbenzene | ND | 1.0 | 89 | 91 | 2.2 | | | | 70 - 130 | 30 |
| m&p-Xylene | ND | 2.0 | 88 | 89 | 1.1 | | | | 70 - 130 | 30 |
| Methyl ethyl ketone | ND | 5.0 | 79 | 87 | 9.6 | | | | 70 - 130 | 30 |
| Methyl t-butyl ether (MTBE) | ND | 1.0 | 73 | 76 | 4.0 | | | | 70 - 130 | 30 |
| Methylene chloride | ND | 5.0 | 75 | 76 | 1.3 | | | | 70 - 130 | 30 |
| Naphthalene | ND | 5.0 | 82 | 86 | 4.8 | | | | 70 - 130 | 30 |
| n-Butylbenzene | ND | 1.0 | 87 | 88 | 1.1 | | | | 70 - 130 | 30 |
| n-Propylbenzene | ND | 1.0 | 87 | 89 | 2.3 | | | | 70 - 130 | 30 |
| o-Xylene | ND | 2.0 | 88 | 89 | 1.1 | | | | 70 - 130 | 30 |
| p-Isopropyltoluene | ND | 1.0 | 88 | 90 | 2.2 | | | | 70 - 130 | 30 |
| sec-Butylbenzene | ND | 1.0 | 95 | 97 | 2.1 | | | | 70 - 130 | 30 |
| Styrene | ND | 5.0 | 85 | 86 | 1.2 | | | | 70 - 130 | 30 |
| tert-butyl alcohol | ND | 100 | 80 | 94 | 16.1 | | | | 70 - 130 | 30 |
| tert-Butylbenzene | ND | 1.0 | 88 | 90 | 2.2 | | | | 70 - 130 | 30 |
| Tetrachloroethene | ND | 5.0 | 93 | 93 | 0.0 | | | | 70 - 130 | 30 |
| Tetrahydrofuran (THF) | ND | 5.0 | 80 | 83 | 3.7 | | | | 70 - 130 | 30 |
| Toluene | ND | 1.0 | 90 | 91 | 1.1 | | | | 70 - 130 | 30 |
| trans-1,2-Dichloroethene | ND | 5.0 | 94 | 94 | 0.0 | | | | 70 - 130 | 30 |
| trans-1,3-Dichloropropene | ND | 5.0 | 81 | 82 | 1.2 | | | | 70 - 130 | 30 |
| trans-1,4-dichloro-2-butene | ND | 5.0 | 85 | 88 | 3.5 | | | | 70 - 130 | 30 |
| Trichloroethene | ND | 5.0 | 91 | 92 | 1.1 | | | | 70 - 130 | 30 |
| Trichlorofluoromethane | ND | 5.0 | 96 | 98 | 2.1 | | | | 70 - 130 | 30 |
| Trichlorotrifluoroethane | ND | 5.0 | 92 | 92 | 0.0 | | | | 70 - 130 | 30 |
| Vinyl chloride | ND | 5.0 | 99 | 100 | 1.0 | | | | 70 - 130 | 30 |
| % 1,2-dichlorobenzene-d4 | 100 | % | 100 | 100 | 0.0 | | | | 70 - 130 | 30 |
| % Bromofluorobenzene | 98 | % | 100 | 100 | 0.0 | | | | 70 - 130 | 30 |
| % Dibromofluoromethane | 95 | % | 93 | 95 | 2.1 | | | | 70 - 130 | 30 |
| % Toluene-d8 | 99 | % | 101 | 100 | 1.0 | | | | 70 - 130 | 30 |

Comment:

The Low Level MS/MSD are not reported for this batch.

Additional 8260 criteria: 10% of LCS/LCSD compounds can be outside of acceptance criteria as long as recovery is 40-160%, 25-160% for Chloroethane-HL and Trichlorofluoromethane-HL.

l = This parameter is outside laboratory LCS/LCSD specified recovery limits.
m = This parameter is outside laboratory MS/MSD specified recovery limits.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference
LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample Duplicate
MS - Matrix Spike
MS Dup - Matrix Spike Duplicate
NC - No Criteria
Intf - Interference

Phyllis Shiller, Laboratory Director
August 07, 2020

Friday, August 07, 2020

Criteria: NJ: RC; NY: 375, 375GWP, 375RRS; PA: REG

State: NY

# Sample Criteria Exceedances Report

## GCG47119 - EBC

| SampNo | Acode | Phoenix Analyte | Criteria | Result | RL | Criteria | RL Criteria | Analysis Units |
|---|---|---|---|---|---|---|---|---|
| CG47119 | $8270SMRDP | N-Nitrosodimethylamine | PA / Reg Fill Limits GP-1a / Organics | ND | 72 | 0.17 | 0.17 | ug/Kg |
| CG47119 | $8270SMRDP | N-Nitrosodi-n-propylamine | PA / Reg Fill Limits GP-1a / Organics | ND | 72 | 5.1 | 5.1 | ug/Kg |
| CG47119 | $8270SMRDP | Bis(2-chloroethyl)ether | PA / Reg Fill Limits GP-1a / Organics | ND | 72 | 17 | 17 | ug/Kg |
| CG47119 | $PESTSM_NY | Dieldrin | NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil | 22 | 3.5 | 5 | 5 | ug/Kg |
| CG47119 | CU-SM | Copper | NY / 375-6.8 Metals / Unrestricted Use Soil | 90.7 | 0.7 | 50 | 50 | mg/kg |
| CG47120 | $8270SMRDP | Bis(2-chloroethyl)ether | PA / Reg Fill Limits GP-1a / Organics | ND | 77 | 17 | 17 | ug/Kg |
| CG47120 | $8270SMRDP | N-Nitrosodimethylamine | PA / Reg Fill Limits GP-1a / Organics | ND | 77 | 0.17 | 0.17 | ug/Kg |
| CG47120 | $8270SMRDP | N-Nitrosodi-n-propylamine | PA / Reg Fill Limits GP-1a / Organics | ND | 77 | 5.1 | 5.1 | ug/Kg |
| CG47121 | $8260MADPR | Benzene | NJ / Soil Remediation Standard / Res. Direct Contact | 3100 | 300 | 2000 | 5 | ug/Kg |
| CG47121 | $8260MADPR | Toluene | NY / 375-6.8 Volatiles / Ground Water Protection | 1500 | 300 | 700 | 700 | ug/Kg |
| CG47121 | $8260MADPR | Benzene | NY / 375-6.8 Volatiles / Ground Water Protection | 3100 | 300 | 60 | 60 | ug/Kg |
| CG47121 | $8260MADPR | Toluene | NY / 375-6.8 Volatiles / Unrestricted Use Soil | 1500 | 300 | 700 | 700 | ug/Kg |
| CG47121 | $8260MADPR | Benzene | NY / 375-6.8 Volatiles / Unrestricted Use Soil | 3100 | 300 | 60 | 60 | ug/Kg |
| CG47121 | $8260MADPR | Benzene | PA / Reg Fill Limits GP-1a / Organics | 3100 | 300 | 130 | 130 | ug/Kg |
| CG47121 | $8270SMRDP | Bis(2-chloroethyl)ether | PA / Reg Fill Limits GP-1a / Organics | ND | 73 | 17 | 17 | ug/Kg |
| CG47121 | $8270SMRDP | N-Nitrosodimethylamine | PA / Reg Fill Limits GP-1a / Organics | ND | 73 | 0.17 | 0.17 | ug/Kg |
| CG47121 | $8270SMRDP | N-Nitrosodi-n-propylamine | PA / Reg Fill Limits GP-1a / Organics | ND | 73 | 5.1 | 5.1 | ug/Kg |
| CG47121 | CU-SM | Copper | NY / 375-6.8 Metals / Unrestricted Use Soil | 111 | 0.7 | 50 | 50 | mg/kg |
| CG47121 | HG-SM | Mercury | NY / 375-6.8 Metals / Unrestricted Use Soil | 0.53 | 0.07 | 0.18 | 0.18 | mg/Kg |
| CG47121 | NI-SM | Nickel | NY / 375-6.8 Metals / Unrestricted Use Soil | 32.1 | 0.36 | 30 | 30 | mg/Kg |
| CG47121 | PB-SMDP | Lead | NY / 375-6.8 Metals / Unrestricted Use Soil | 275 | 0.7 | 63 | 63 | mg/Kg |
| CG47121 | ZN-SMDP | Zinc | NY / 375-6.8 Metals / Unrestricted Use Soil | 133 | 0.7 | 109 | 109 | mg/Kg |
| CG47122 | $8270SMRDP | N-Nitrosodimethylamine | PA / Reg Fill Limits GP-1a / Organics | ND | 73 | 0.17 | 0.17 | ug/Kg |
| CG47122 | $8270SMRDP | N-Nitrosodi-n-propylamine | PA / Reg Fill Limits GP-1a / Organics | ND | 73 | 5.1 | 5.1 | ug/Kg |
| CG47122 | $8270SMRDP | Bis(2-chloroethyl)ether | PA / Reg Fill Limits GP-1a / Organics | ND | 73 | 17 | 17 | ug/Kg |
| CG47122 | HG-SM | Mercury | NY / 375-6.8 Metals / Ground Water Protection | 1.17 | 0.07 | 0.73 | 0.73 | mg/Kg |
| CG47122 | HG-SM | Mercury | NY / 375-6.8 Metals / Residential Restricted | 1.17 | 0.07 | 0.81 | 0.81 | mg/Kg |
| CG47122 | HG-SM | Mercury | NY / 375-6.8 Metals / Unrestricted Use Soil | 1.17 | 0.07 | 0.18 | 0.18 | mg/Kg |
| CG47122 | NI-SM | Nickel | NY / 375-6.8 Metals / Unrestricted Use Soil | 34.2 | 0.34 | 30 | 30 | mg/Kg |
| CG47122 | PB-SMDP | Lead | NY / 375-6.8 Metals / Unrestricted Use Soil | 191 | 0.7 | 63 | 63 | mg/Kg |
| CG47123 | $8270SMRDP | N-Nitrosodi-n-propylamine | PA / Reg Fill Limits GP-1a / Organics | ND | 79 | 5.1 | 5.1 | ug/Kg |
| CG47123 | $8270SMRDP | Bis(2-chloroethyl)ether | PA / Reg Fill Limits GP-1a / Organics | ND | 79 | 17 | 17 | ug/Kg |
| CG47123 | $8270SMRDP | N-Nitrosodimethylamine | PA / Reg Fill Limits GP-1a / Organics | ND | 79 | 0.17 | 0.17 | ug/Kg |
| CG47123 | CR-SM | Chromium | NY / 375-6.8 Metals / Unrestricted Use Soil | 30.5 | 0.37 | 30 | | mg/Kg |
| CG47123 | CU-SM | Copper | NY / 375-6.8 Metals / Unrestricted Use Soil | 68.3 | 0.7 | 50 | 50 | mg/kg |
| CG47123 | HG-SM | Mercury | NY / 375-6.8 Metals / Ground Water Protection | 1.40 | 0.07 | 0.73 | 0.73 | mg/Kg |
| CG47123 | HG-SM | Mercury | NY / 375-6.8 Metals / Residential Restricted | 1.40 | 0.07 | 0.81 | 0.81 | mg/Kg |
| CG47123 | HG-SM | Mercury | NY / 375-6.8 Metals / Unrestricted Use Soil | 1.40 | 0.07 | 0.18 | 0.18 | mg/Kg |
| CG47123 | PB-SMDP | Lead | NJ / Soil Remediation Standard / Res. Direct Contact | 531 | 0.7 | 400 | 1 | mg/Kg |

Friday, August 07, 2020

Criteria: NJ: RC; NY: 375, 375GWP, 375RRS; PA: REG

State: NY

# Sample Criteria Exceedances Report

## GCG47119 - EBC

| SampNo | Acode | Phoenix Analyte | Criteria | Result | RL | Criteria | RL Criteria | Analysis Units |
|---|---|---|---|---|---|---|---|---|
| CG47123 | PB-SMDP | Lead | NY / 375-6.8 Metals / Ground Water Protection | 531 | 0.7 | 450 | 450 | mg/Kg |
| CG47123 | PB-SMDP | Lead | NY / 375-6.8 Metals / Residential Restricted | 531 | 0.7 | 400 | 400 | mg/Kg |
| CG47123 | PB-SMDP | Lead | NY / 375-6.8 Metals / Unrestricted Use Soil | 531 | 0.7 | 63 | 63 | mg/Kg |
| CG47123 | PB-SMDP | Lead | PA / Reg Fill Limits GP-1a / Metals & Inorganics | 531 | 0.7 | 450 | 450 | mg/Kg |
| CG47123 | ZN-SMDP | Zinc | NY / 375-6.8 Metals / Unrestricted Use Soil | 192 | 0.7 | 109 | 109 | mg/Kg |

Phoenix Laboratories does not assume responsibility for the data contained in this exceedance report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.

**Environmental Laboratories, Inc.**
**587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045**
**Tel. (860) 645-1102 Fax (860) 645-0823**

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

# Analysis Comments

August 07, 2020 SDG I.D.: GCG47119

The following analysis comments are made regarding exceptions to criteria not already noted in the Analysis Report or QA/QC Report:

### *PCB Narration*

**AU-ECD29 08/05/20-1:** CG47120, CG47122, CG47123

The following Continuing Calibration compounds did not meet % deviation criteria:
Samples: CG47123
Preceding CC 805B032 - PCB 1260 18%L (%)
Succeeding CC 805B045 - None.

### *PEST Narration*

**AU-ECD35 08/05/20-1:** CG47120, CG47122

The following Continuing Calibration compounds did not meet % deviation criteria:
Samples: CG47120, CG47122
Preceding CC 805A041 - b-BHC 28%L (20%)
Succeeding CC 805A051 - b-BHC 26%L (20%)
A low "1A" standard was run after the samples to demonstrate capability to detect any compounds outside of the CC acceptance criteria. All reported samples were ND for the affected compounds.

**AU-ECD4 08/05/20-1:** CG47119, CG47121, CG47123

The following Continuing Calibration compounds did not meet % deviation criteria:
Samples: CG47119, CG47121, CG47123
Preceding CC 805A032 - g-BHC 25%H (20%)
Succeeding CC 805A045 - g-BHC 23%H (20%)

### *SVOA Narration*

**CHEM28 08/04/20-1:** CG47119, CG47120, CG47121, CG47122

For 8270 full list, the DDT breakdown and pentachlorophenol & benzidine peak tailing were evaluated in the DFTPP tune and were found to be in control.
For 8270 BN list, benzidine peak tailing was evaluated in the DFTPP tune and was found to be in control.

The following Initial Calibration compounds did not meet recommended response factors: 2-Nitrophenol 0.061 (0.1), Hexachlorobenzene 0.081 (0.1)
The following Initial Calibration compounds did not meet minimum response factors: None.

The following Continuing Calibration compounds did not meet recommended response factors: 2-Nitrophenol 0.065 (0.1), Hexachlorobenzene 0.081 (0.1)
The following Continuing Calibration compounds did not meet minimum response factors: None.

Up to eight compounds can be outside of ICAL %RSD criteria and up to sixteen compounds can be outside of CCAL %Dev criteria if less than 40%.

**CHEM69 08/04/20-1:** CG47123

The following Initial Calibration compounds did not meet recommended response factors: 2-Nitrophenol 0.065 (0.1), Hexachlorobenzene 0.097 (0.1)
The following Initial Calibration compounds did not meet minimum response factors: None.

The following Continuing Calibration compounds did not meet recommended response factors: 2-Nitrophenol 0.079 (0.1)
The following Continuing Calibration compounds did not meet minimum response factors: None.

Up to eight compounds can be outside of ICAL %RSD criteria and up to sixteen compounds can be outside of CCAL %Dev criteria if less than 40%.

**Environmental Laboratories, Inc.**
**587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045**
**Tel. (860) 645-1102 Fax (860) 645-0823**

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

# Analysis Comments

August 07, 2020 SDG I.D.: GCG47119

## *VOA Narration*

**CHEM31 08/05/20-2:** CG47119, CG47120, CG47121, CG47124, CG47125

The following Initial Calibration compounds did not meet RSD% criteria: Methylene chloride 25% (20%)
The following Initial Calibration compounds did not meet maximum RSD% criteria: None.
The following Initial Calibration compounds did not meet recommended response factors: Acetone 0.075 (0.1), Tetrachloroethene 0.172 (0.2)
The following Initial Calibration compounds did not meet minimum response factors: None.

Up to eight compounds can be outside of ICAL %RSD criteria and up to sixteen compounds can be outside of CCAL %Dev criteria if less than 40%.

**CHEM31 08/05/20-3:** CG47122, CG47123

The following Initial Calibration compounds did not meet RSD% criteria: Methylene chloride 25% (20%)
The following Initial Calibration compounds did not meet maximum RSD% criteria: None.
The following Initial Calibration compounds did not meet recommended response factors: Acetone 0.075 (0.1), Tetrachloroethene 0.172 (0.2)
The following Initial Calibration compounds did not meet minimum response factors: None.

The following Continuing Calibration compounds did not meet recommended response factors: Acrolein 0.049 (0.05)
The following Continuing Calibration compounds did not meet minimum response factors: Acrolein 0.050 (0.05)

Up to eight compounds can be outside of ICAL %RSD criteria and up to sixteen compounds can be outside of CCAL %Dev criteria if less than 40%.

**Environmental Laboratories, Inc.**
**587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045**
**Tel. (860) 645-1102 Fax (860) 645-0823**

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

# NY Temperature Narration

**August 07, 2020**

**SDG I.D.: GCG47119**

The samples in this delivery group were received at 1.0°C.
(Note acceptance criteria for relevant matrices is above freezing up to 6°C)

Cooler: Yes ☑ No ☐
Coolant: IPK ☑ ICE ☐ No ☐

# PHOENIX
*Environmental Laboratories, Inc.*

## CHAIN OF CUSTODY RECORD

Temp 1.0 °C Pg 1 of 1

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: info@phoenixlabs.com Fax (860) 645-0823
**Client Services (860) 645-8726**

**Data Delivery:**
☐ Fax #:
■ Emai Kbrussee@ebcincny.com

Customer: Environmental Business Consultants
Address: 1808 Middle Country Road
Ridge, New York 11961

Project: 64 Centre Ave, New Rochelle NY
Report to: EBC
Invoice to: EBC
Phone #: 631.504.6000
Fax #: 631.924.2870

Project P.O:

This section MUST be completed with Bottle Quantities.

**Client Sample - Information - Identification**

Sampler's Signature: Derek Merker Date: 8/3/20

**Matrix Code:**
**DW**=Drinking Water **GW**=Ground Water **SW**=Surface Water **WW**=Waste Water
**RW**=Raw Water **SE**=Sediment **SL**=Sludge **S**=Soil **SD**=Solid **W**=Wipe
**OIL**=Oil **B**=Bulk **L**=Liquid

Analysis Request

| PHOENIX USE ONLY SAMPLE # | Customer Sample Identification | Sample Matrix | Date Sampled | Time Sampled | VOCs 8260 + 1,4-Dioxine | SVOCs 8270 + Pyridine | PCBs | Pesticides | TAL Metals (+ Hex Cr + Mo and Cyanide) | + | + | + | + | + | + | Soil VOA Vials [ ] methanol [ ] H2O | GL Soil container ( 8 ) oz | GL Soil container ( 4 ) oz | 5 g Encores | GL Amber 1000ml [ ] As is [ ] H2SO4 | PL As is [ ] 250ml [ ] 500ml [ ] 1000ml | PL H2SO4 [ ] 250ml [ ] 500ml | PL HNO3 250ml | PL NaOH 250ml | Bacteria Bottle |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 47119 | 64B1 Fill | Soil | 8/3/2020 | 11:28 | X | X | X | X | X | | | | | | | 3 | 1 | | | | | | | | |
| 47120 | 64B2 Fill | Soil | 8/3/2020 | 11:00 | X | X | X | X | X | | | | | | | 3 | 1 | | | | | | | | |
| 47121 | 64B3 Fill | Soil | 8/3/2020 | 11:42 | X | X | X | X | X | | | | | | | 3 | 1 | | | | | | | | |
| 47122 | 64B4 Fill | Soil | 8/3/2020 | 11:58 | X | X | X | X | X | | | | | | | 3 | 1 | | | | | | | | |
| 47123 | 64B5 Fill | Soil | 8/3/2020 | 12:15 | X | X | X | X | X | | | | | | | 3 | 1 | | | | | | | | |
| 47124 | Tripblanks HL | | | | X | | | | | | | | | | | | | | | | | | | | |
| 47125 | Tripblanks LL | | | | X | | | | | | | | | | | | | | | | | | | | |

| Relinquished by: | Accepted by: | Date: | Time: |
|---|---|---|---|
| Derek Merker | | 8.4.20 | 10.55 |
| | | 8/4 | 1552 |

**Comments, Special Requirements or Regulations:**

* SVOC list to include atrazine, benzaldehyde, 1,1-bipheny, and caprolactam.

Quote# EB030217SB

* VOC list to include acrolein, TBA, and total xylenes

**Turnaround:**
☐ 1 Day*
☐ 2 Days*
☐ 3 Days*
■ Standard
☐ Other
* SURCHARGE APPLIES

**NJ**
■ Direct Contact (Residential)
☐ GW
☐ Other

**NY**
■ UUSCOs
■ RRSCOs
■ NJ Residential
■ PA Regulated Fill
☐ GB Mobility
☐ Residential DEC
☐ I/C DEC
☐ Other

**MA**
☐ MCP Certification
☐ GW-1
☐ GW-2
☐ GW-3
☐ S-1
☐ S-2
☐ S-3
☐ MWRA eSMART
☐ Other

**State where samples were collected:** NY

**Data Format**
■ Excel
■ PDF
☐ GIS/Key
☐ EQuIS
☐ Other

**Data Package**
☐ Tier II Checklist
ASP B Deliverables*
☐ Phoenix Std Report
☐ Other