CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | LaBella Associates P.C. | Date Collected: | 07/12/23 |
| Project: | Mackenna Parcels | Date Received: | 07/17/23 |
| Client Sample ID: | DUP | SDG No.: | O3645 |
| Lab Sample ID: | O3645-07 | Matrix: | SOIL |
| Analytical Method: | SW8270 | % Solid: | 80.8 |
| Sample Wt/Vol: | 30.02 Units: g | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | SVOCMS Group1 |
| Extraction Type : | Decanted : N | Level : | LOW |
| Injection Volume : | GPC Factor : 1.0 | GPC Cleanup : | N PH : |
| Prep Method : | SW3541 | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BG058571.D | 1 | 07/18/23 09:45 | 08/02/23 09:59 | PB154258 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 100-52-7 | Benzaldehyde | 410 | U | 180 | 410 | ug/Kg |
| 108-95-2 | Phenol | 210 | U | 92.0 | 210 | ug/Kg |
| 111-44-4 | bis(2-Chloroethyl)ether | 210 | U | 110 | 210 | ug/Kg |
| 95-57-8 | 2-Chlorophenol | 210 | U | 89.0 | 210 | ug/Kg |
| 95-48-7 | 2-Methylphenol | 210 | U | 140 | 210 | ug/Kg |
| 108-60-1 | 2,2-oxybis(1-Chloropropane) | 210 | U | 130 | 210 | ug/Kg |
| 98-86-2 | Acetophenone | 210 | U | 110 | 210 | ug/Kg |
| 65794-96-9 | 3+4-Methylphenols | 410 | U | 130 | 410 | ug/Kg |
| 621-64-7 | n-Nitroso-di-n-propylamine | 98.9 | U | 73.0 | 98.9 | ug/Kg |
| 67-72-1 | Hexachloroethane | 210 | U | 91.0 | 210 | ug/Kg |
| 98-95-3 | Nitrobenzene | 210 | U | 93.0 | 210 | ug/Kg |
| 78-59-1 | Isophorone | 210 | U | 84.2 | 210 | ug/Kg |
| 88-75-5 | 2-Nitrophenol | 210 | U | 120 | 210 | ug/Kg |
| 105-67-9 | 2,4-Dimethylphenol | 210 | U | 120 | 210 | ug/Kg |
| 111-91-1 | bis(2-Chloroethoxy)methane | 210 | U | 140 | 210 | ug/Kg |
| 120-83-2 | 2,4-Dichlorophenol | 210 | U | 96.6 | 210 | ug/Kg |
| 91-20-3 | Naphthalene | 210 | U | 100 | 210 | ug/Kg |
| 106-47-8 | 4-Chloroaniline | 210 | U | 130 | 210 | ug/Kg |
| 87-68-3 | Hexachlorobutadiene | 210 | U | 100 | 210 | ug/Kg |
| 105-60-2 | Caprolactam | 410 | U | 140 | 410 | ug/Kg |
| 59-50-7 | 4-Chloro-3-methylphenol | 210 | U | 100 | 210 | ug/Kg |
| 91-57-6 | 2-Methylnaphthalene | 210 | U | 120 | 210 | ug/Kg |
| 77-47-4 | Hexachlorocyclopentadiene | 410 | U | 260 | 410 | ug/Kg |
| 88-06-2 | 2,4,6-Trichlorophenol | 210 | U | 95.4 | 210 | ug/Kg |
| 95-95-4 | 2,4,5-Trichlorophenol | 210 | U | 110 | 210 | ug/Kg |
| 92-52-4 | 1,1-Biphenyl | 210 | U | 110 | 210 | ug/Kg |
| 91-58-7 | 2-Chloronaphthalene | 210 | U | 100 | 210 | ug/Kg |
| 88-74-4 | 2-Nitroaniline | 210 | U | 120 | 210 | ug/Kg |
| 131-11-3 | Dimethylphthalate | 210 | U | 110 | 210 | ug/Kg |
| 208-96-8 | Acenaphthylene | 210 | U | 110 | 210 | ug/Kg |
| 606-20-2 | 2,6-Dinitrotoluene | 210 | U | 110 | 210 | ug/Kg |

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|---|---|---|---|---|---|---|
| 99-09-2 | 3-Nitroaniline | 210 | U | 120 | 210 | ug/Kg |
| 83-32-9 | Acenaphthene | 210 | U | 99.3 | 210 | ug/Kg |
| 51-28-5 | 2,4-Dinitrophenol | 410 | U | 220 | 410 | ug/Kg |
| 100-02-7 | 4-Nitrophenol | 410 | U | 140 | 410 | ug/Kg |
| 132-64-9 | Dibenzofuran | 210 | U | 95.1 | 210 | ug/Kg |
| 121-14-2 | 2,4-Dinitrotoluene | 210 | U | 120 | 210 | ug/Kg |
| 84-66-2 | Diethylphthalate | 210 | U | 110 | 210 | ug/Kg |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 210 | U | 110 | 210 | ug/Kg |
| 86-73-7 | Fluorene | 210 | U | 100 | 210 | ug/Kg |
| 100-01-6 | 4-Nitroaniline | 210 | U | 130 | 210 | ug/Kg |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 410 | U | 110 | 410 | ug/Kg |
| 86-30-6 | n-Nitrosodiphenylamine | 210 | U | 120 | 210 | ug/Kg |
| 101-55-3 | 4-Bromophenyl-phenylether | 210 | U | 120 | 210 | ug/Kg |
| 118-74-1 | Hexachlorobenzene | 210 | U | 120 | 210 | ug/Kg |
| 1912-24-9 | Atrazine | 210 | U | 120 | 210 | ug/Kg |
| 87-86-5 | Pentachlorophenol | 410 | U | 140 | 410 | ug/Kg |
| 85-01-8 | Phenanthrene | 210 | U | 110 | 210 | ug/Kg |
| 120-12-7 | Anthracene | 210 | U | 130 | 210 | ug/Kg |
| 86-74-8 | Carbazole | 210 | U | 110 | 210 | ug/Kg |
| 84-74-2 | Di-n-butylphthalate | 210 | U | 130 | 210 | ug/Kg |
| 206-44-0 | Fluoranthene | 210 | U | 120 | 210 | ug/Kg |
| 129-00-0 | Pyrene | 210 | U | 100 | 210 | ug/Kg |
| 85-68-7 | Butylbenzylphthalate | 210 | U | 130 | 210 | ug/Kg |
| 91-94-1 | 3,3-Dichlorobenzidine | 410 | U | 200 | 410 | ug/Kg |
| 56-55-3 | Benzo(a)anthracene | 210 | U | 100 | 210 | ug/Kg |
| 218-01-9 | Chrysene | 210 | U | 110 | 210 | ug/Kg |
| 117-81-7 | Bis(2-ethylhexyl)phthalate | 210 | U | 140 | 210 | ug/Kg |
| 117-84-0 | Di-n-octyl phthalate | 410 | U | 150 | 410 | ug/Kg |
| 205-99-2 | Benzo(b)fluoranthene | 210 | U | 99.3 | 210 | ug/Kg |
| 207-08-9 | Benzo(k)fluoranthene | 210 | U | 110 | 210 | ug/Kg |
| 50-32-8 | Benzo(a)pyrene | 210 | U | 120 | 210 | ug/Kg |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 210 | U | 130 | 210 | ug/Kg |
| 53-70-3 | Dibenzo(a,h)anthracene | 210 | U | 120 | 210 | ug/Kg |

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|---|---|---|---|---|---|---|
| 191-24-2 | Benzo(g,h,i)perylene | 210 | U | 110 | 210 | ug/Kg |
| 95-94-3 | 1,2,4,5-Tetrachlorobenzene | 210 | U | 110 | 210 | ug/Kg |
| 123-91-1 | 1,4-Dioxane | 210 | U | 140 | 210 | ug/Kg |
| 58-90-2 | 2,3,4,6-Tetrachlorophenol | 210 | U | 100 | 210 | ug/Kg |
| **SURROGATES** | | | | | | |
| 367-12-4 | 2-Fluorophenol | 120 | | 18 - 112 | 80% | SPK: 150 |
| 13127-88-3 | Phenol-d6 | 118 | | 15 - 107 | 78% | SPK: 150 |
| 4165-60-0 | Nitrobenzene-d5 | 72.1 | | 18 - 107 | 72% | SPK: 100 |
| 321-60-8 | 2-Fluorobiphenyl | 70.9 | | 20 - 109 | 71% | SPK: 100 |
| 118-79-6 | 2,4,6-Tribromophenol | 97.4 | | 10 - 110 | 65% | SPK: 150 |
| 1718-51-0 | Terphenyl-d14 | 76.5 | | 14 - 112 | 76% | SPK: 100 |
| **INTERNAL STANDARDS** | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 54100 | 7.811 | | | |
| 1146-65-2 | Naphthalene-d8 | 235000 | 10.614 | | | |
| 15067-26-2 | Acenaphthene-d10 | 165000 | 14.462 | | | |
| 1517-22-2 | Phenanthrene-d10 | 370000 | 17.206 | | | |
| 1719-03-5 | Chrysene-d12 | 322000 | 21.448 | | | |
| 1520-96-3 | Perylene-d12 | 402000 | 24.521 | | | |
| **TENTATIVE IDENTIFIED COMPOUNDS** | | | | | | |
| 000057-10-3 | n-Hexadecanoic acid | 130 | J | | 18.1 | ug/Kg |

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products