284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | JACOBS Engineering Group, Inc. | Date Collected: | 08/19/24 |
| Project: | Former Schlumberger Site Princeton NJ | Date Received: | 08/19/24 |
| Client Sample ID: | S-904-J-SO-0-0.5-081924DL | SDG No.: | P3671 |
| Lab Sample ID: | P3671-01DL | Matrix: | SOIL |
| Analytical Method: | 8270E | % Solid: | 71.3 |
| Sample Wt/Vol: | 30.04 Units: g | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | SVOCMS Group5 |
| 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 |
|---|---|---|---|---|
| BF139161.D | 5 | 08/21/24 08:50 | 08/26/24 10:51 | PB162876 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 110-86-1 | Pyridine | 560 | UD | 560 | 1200 | ug/Kg |
| 100-52-7 | Benzaldehyde | 1300 | UD | 1300 | 2300 | ug/Kg |
| 95-48-7 | 2-Methylphenol | 560 | UD | 560 | 1200 | ug/Kg |
| 65794-96-9 | 3+4-Methylphenols | 560 | UD | 560 | 2300 | ug/Kg |
| 67-72-1 | Hexachloroethane | 580 | UD | 580 | 1200 | ug/Kg |
| 98-95-3 | Nitrobenzene | 640 | UD | 640 | 1200 | ug/Kg |
| 91-20-3 | Naphthalene | 580 | UD | 580 | 1200 | ug/Kg |
| 87-68-3 | Hexachlorobutadiene | 580 | UD | 580 | 1200 | ug/Kg |
| 91-57-6 | 2-Methylnaphthalene | 580 | UD | 580 | 1200 | ug/Kg |
| 88-06-2 | 2,4,6-Trichlorophenol | 500 | UD | 500 | 1200 | ug/Kg |
| 95-95-4 | 2,4,5-Trichlorophenol | 520 | UD | 520 | 1200 | ug/Kg |
| 208-96-8 | Acenaphthylene | 610 | UD | 610 | 1200 | ug/Kg |
| 83-32-9 | Acenaphthene | 790 | JD | 570 | 1200 | ug/Kg |
| 132-64-9 | Dibenzofuran | 590 | UD | 590 | 1200 | ug/Kg |
| 121-14-2 | 2,4-Dinitrotoluene | 600 | UD | 600 | 1200 | ug/Kg |
| 86-73-7 | Fluorene | 930 | JD | 600 | 1200 | ug/Kg |
| 118-74-1 | Hexachlorobenzene | 600 | UD | 600 | 1200 | ug/Kg |
| 87-86-5 | Pentachlorophenol | 540 | UD | 540 | 2300 | ug/Kg |
| 85-01-8 | Phenanthrene | 8200 | D | 590 | 1200 | ug/Kg |
| 120-12-7 | Anthracene | 2200 | D | 590 | 1200 | ug/Kg |
| 86-74-8 | Carbazole | 910 | JD | 560 | 1200 | ug/Kg |
| 84-74-2 | Di-n-butylphthalate | 590 | UD | 590 | 1200 | ug/Kg |
| 206-44-0 | Fluoranthene | 7700 | D | 570 | 1200 | ug/Kg |
| 129-00-0 | Pyrene | 7300 | D | 580 | 1200 | ug/Kg |
| 56-55-3 | Benzo(a)anthracene | 3700 | D | 570 | 1200 | ug/Kg |
| 218-01-9 | Chrysene | 3700 | D | 560 | 1200 | ug/Kg |
| 117-81-7 | Bis(2-ethylhexyl)phthalate | 640 | UD | 640 | 1200 | ug/Kg |
| 205-99-2 | Benzo(b)fluoranthene | 3800 | D | 570 | 1200 | ug/Kg |
| 207-08-9 | Benzo(k)fluoranthene | 1400 | D | 580 | 1200 | ug/Kg |

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| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| 50-32-8 | Benzo(a)pyrene | 3300 | D | 650 | 1200 | ug/Kg |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 1500 | D | 550 | 1200 | ug/Kg |
| 53-70-3 | Dibenzo(a,h)anthracene | 570 | UD | 570 | 1200 | ug/Kg |
| 191-24-2 | Benzo(g,h,i)perylene | 2100 | D | 560 | 1200 | ug/Kg |
| 123-91-1 | 1,4-Dioxane | 770 | UD | 770 | 1200 | ug/Kg |
| 90-12-0 | 1-Methylnaphthalene | 580 | UD | 580 | 1200 | ug/Kg |
| **SURROGATES** | | | | | | |
| 367-12-4 | 2-Fluorophenol | 73.3 | | 30 (18) - 130 (112) | 49% | SPK: 150 |
| 13127-88-3 | Phenol-d6 | 77.7 | | 30 (15) - 130 (107) | 52% | SPK: 150 |
| 4165-60-0 | Nitrobenzene-d5 | 64.4 | | 30 (18) - 130 (107) | 64% | SPK: 100 |
| 321-60-8 | 2-Fluorobiphenyl | 45.1 | | 30 (20) - 130 (109) | 45% | SPK: 100 |
| 118-79-6 | 2,4,6-Tribromophenol | 68.7 | | 30 (10) - 130 (116) | 46% | SPK: 150 |
| 1718-51-0 | Terphenyl-d14 | 40.6 | | 30 (10) - 130 (105) | 41% | SPK: 100 |
| **INTERNAL STANDARDS** | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 92500 | 6.898 | | | |
| 1146-65-2 | Naphthalene-d8 | 348000 | 8.181 | | | |
| 15067-26-2 | Acenaphthene-d10 | 199000 | 9.933 | | | |
| 1517-22-2 | Phenanthrene-d10 | 323000 | 11.422 | | | |
| 1719-03-5 | Chrysene-d12 | 172000 | 14.057 | | | |
| 1520-96-3 | Perylene-d12 | 177000 | 15.539 | | | |

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