

## 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-903-J-SO-0.5-1.0-081924             | SDG No.:        | P3671         |
| Lab Sample ID:     | P3671-12                              | Matrix:         | SOIL          |
| Analytical Method: | SW8270                                | % Solid:        | 85.8          |
| Sample Wt/Vol:     | 30.01 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 |
| BF139135.D        | 1         | 08/21/24 08:50 | 08/22/24 21:20 | PB162876      |

| CAS Number     | Parameter                  | Conc. | Qualifier | MDL  | LOQ / CRQL | Units(Dry Weight) |
|----------------|----------------------------|-------|-----------|------|------------|-------------------|
| <b>TARGETS</b> |                            |       |           |      |            |                   |
| 110-86-1       | Pyridine                   | 93.1  | U         | 93.1 | 200        | ug/Kg             |
| 100-52-7       | Benzaldehyde               | 210   | U         | 210  | 380        | ug/Kg             |
| 95-48-7        | 2-Methylphenol             | 93.9  | U         | 93.9 | 200        | ug/Kg             |
| 98-86-2        | Acetophenone               | 100   | U         | 100  | 200        | ug/Kg             |
| 65794-96-9     | 3+4-Methylphenols          | 93.0  | U         | 93.0 | 380        | ug/Kg             |
| 98-95-3        | Nitrobenzene               | 110   | U         | 110  | 200        | ug/Kg             |
| 120-83-2       | 2,4-Dichlorophenol         | 88.0  | U         | 88.0 | 200        | ug/Kg             |
| 91-20-3        | Naphthalene                | 96.2  | U         | 96.2 | 200        | ug/Kg             |
| 91-57-6        | 2-Methylnaphthalene        | 96.1  | U         | 96.1 | 200        | ug/Kg             |
| 88-06-2        | 2,4,6-Trichlorophenol      | 83.2  | U         | 83.2 | 200        | ug/Kg             |
| 95-95-4        | 2,4,5-Trichlorophenol      | 86.2  | U         | 86.2 | 200        | ug/Kg             |
| 208-96-8       | Acenaphthylene             | 100   | U         | 100  | 200        | ug/Kg             |
| 83-32-9        | Acenaphthene               | 94.5  | U         | 94.5 | 200        | ug/Kg             |
| 132-64-9       | Dibenzofuran               | 98.3  | U         | 98.3 | 200        | ug/Kg             |
| 86-73-7        | Fluorene                   | 99.6  | U         | 99.6 | 200        | ug/Kg             |
| 118-74-1       | Hexachlorobenzene          | 99.0  | U         | 99.0 | 200        | ug/Kg             |
| 87-86-5        | Pentachlorophenol          | 90.1  | U         | 90.1 | 380        | ug/Kg             |
| 85-01-8        | Phenanthrene               | 230   |           | 97.9 | 200        | ug/Kg             |
| 86-74-8        | Carbazole                  | 93.6  | U         | 93.6 | 200        | ug/Kg             |
| 84-74-2        | Di-n-butylphthalate        | 98.2  | U         | 98.2 | 200        | ug/Kg             |
| 206-44-0       | Fluoranthene               | 510   |           | 95.2 | 200        | ug/Kg             |
| 129-00-0       | Pyrene                     | 360   |           | 96.7 | 200        | ug/Kg             |
| 56-55-3        | Benzo(a)anthracene         | 190   | J         | 94.0 | 200        | ug/Kg             |
| 218-01-9       | Chrysene                   | 210   |           | 92.6 | 200        | ug/Kg             |
| 117-81-7       | Bis(2-ethylhexyl)phthalate | 110   | U         | 110  | 200        | ug/Kg             |
| 205-99-2       | Benzo(b)fluoranthene       | 250   |           | 94.5 | 200        | ug/Kg             |
| 207-08-9       | Benzo(k)fluoranthene       | 130   | J         | 96.2 | 200        | ug/Kg             |
| 50-32-8        | Benzo(a)pyrene             | 200   |           | 110  | 200        | ug/Kg             |
| 193-39-5       | Indeno(1,2,3-cd)pyrene     | 110   | J         | 91.0 | 200        | ug/Kg             |

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|---------------------------|------------------------|--------|-----------|---------------------|------------|-------------------|
| 53-70-3                   | Dibenzo(a,h)anthracene | 94.6   | U         | 94.6                | 200        | ug/Kg             |
| 191-24-2                  | Benzo(g,h,i)perylene   | 220    |           | 93.3                | 200        | ug/Kg             |
| 123-91-1                  | 1,4-Dioxane            | 130    | U         | 130                 | 200        | ug/Kg             |
| 90-12-0                   | 1-Methylnaphthalene    | 96.9   | U         | 96.9                | 200        | ug/Kg             |
| <b>SURROGATES</b>         |                        |        |           |                     |            |                   |
| 367-12-4                  | 2-Fluorophenol         | 97.6   |           | 30 (18) - 130 (112) | 65%        | SPK: 150          |
| 13127-88-3                | Phenol-d6              | 96.1   |           | 30 (15) - 130 (107) | 64%        | SPK: 150          |
| 4165-60-0                 | Nitrobenzene-d5        | 91.0   |           | 30 (18) - 130 (107) | 91%        | SPK: 100          |
| 321-60-8                  | 2-Fluorobiphenyl       | 71.5   |           | 30 (20) - 130 (109) | 72%        | SPK: 100          |
| 118-79-6                  | 2,4,6-Tribromophenol   | 114    |           | 30 (10) - 130 (116) | 76%        | SPK: 150          |
| 1718-51-0                 | Terphenyl-d14          | 63.1   |           | 30 (10) - 130 (105) | 63%        | SPK: 100          |
| <b>INTERNAL STANDARDS</b> |                        |        |           |                     |            |                   |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4 | 85200  | 6.898     |                     |            |                   |
| 1146-65-2                 | Naphthalene-d8         | 280000 | 8.181     |                     |            |                   |
| 15067-26-2                | Acenaphthene-d10       | 127000 | 9.934     |                     |            |                   |
| 1517-22-2                 | Phenanthrene-d10       | 218000 | 11.416    |                     |            |                   |
| 1719-03-5                 | Chrysene-d12           | 158000 | 14.057    |                     |            |                   |
| 1520-96-3                 | Perylene-d12           | 125000 | 15.533    |                     |            |                   |

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