

## Report of Analysis

|                    |                    |                  |                 |                 |
|--------------------|--------------------|------------------|-----------------|-----------------|
| Client:            | USEPA CLP Organics |                  | Date Collected: |                 |
| Project:           | 51486              |                  | Date Received:  |                 |
| Client Sample ID:  | PB163717BS         |                  | SDG No.:        | P4022           |
| Lab Sample ID:     | PB163717BS         |                  | Matrix:         | Water           |
| Analytical Method: | SFAM_SVOC          |                  | % Solid:        | 0               |
| Sample Wt/Vol:     | 1000               | Units: mL        | Final Vol:      | 1000 uL         |
| Soil Aliquot Vol:  |                    | uL               | Test:           | SPLP BNA Group1 |
| Extraction Type :  |                    | Decanted : N     | Level :         | LOW             |
| Injection Volume : |                    | GPC Factor : 1.0 | GPC Cleanup :   | N PH :          |
| Prep Method :      |                    |                  |                 |                 |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BP022125.D        | 1         | 09/26/24 08:20 | 09/30/24 23:29 | PB163717      |

| CAS Number     | Parameter                   | Conc. | Qualifier | MDL  | LOQ / CRQL | Units |
|----------------|-----------------------------|-------|-----------|------|------------|-------|
| <b>TARGETS</b> |                             |       |           |      |            |       |
| 123-91-1       | 1,4-Dioxane                 | 10.0  |           | 0.35 | 2.00       | ug/L  |
| 100-52-7       | Benzaldehyde                | 26.0  |           | 1.10 | 10.0       | ug/L  |
| 108-95-2       | Phenol                      | 25.0  |           | 1.60 | 10.0       | ug/L  |
| 111-44-4       | Bis(2-Chloroethyl)ether     | 25.0  |           | 1.40 | 10.0       | ug/L  |
| 95-57-8        | 2-Chlorophenol              | 26.0  |           | 0.91 | 5.00       | ug/L  |
| 95-48-7        | 2-Methylphenol              | 25.0  |           | 1.50 | 10.0       | ug/L  |
| 108-60-1       | 2,2-oxybis(1-Chloropropane) | 24.0  |           | 1.90 | 10.0       | ug/L  |
| 98-86-2        | Acetophenone                | 25.0  |           | 1.50 | 10.0       | ug/L  |
| 106-44-5       | 4-Methylphenol              | 25.0  |           | 1.70 | 10.0       | ug/L  |
| 621-64-7       | N-Nitroso-di-n-propylamine  | 25.0  |           | 1.90 | 5.00       | ug/L  |
| 67-72-1        | Hexachloroethane            | 26.0  |           | 1.10 | 5.00       | ug/L  |
| 98-95-3        | Nitrobenzene                | 26.0  |           | 1.40 | 5.00       | ug/L  |
| 78-59-1        | Isophorone                  | 26.0  |           | 1.70 | 5.00       | ug/L  |
| 88-75-5        | 2-Nitrophenol               | 28.0  |           | 1.20 | 5.00       | ug/L  |
| 105-67-9       | 2,4-Dimethylphenol          | 24.0  |           | 0.69 | 5.00       | ug/L  |
| 111-91-1       | Bis(2-Chloroethoxy)methane  | 26.0  |           | 1.50 | 5.00       | ug/L  |
| 120-83-2       | 2,4-Dichlorophenol          | 27.0  |           | 1.10 | 5.00       | ug/L  |
| 91-20-3        | Naphthalene                 | 26.0  |           | 0.94 | 5.00       | ug/L  |
| 106-47-8       | 4-Chloroaniline             | 20.0  |           | 0.94 | 10.0       | ug/L  |
| 87-68-3        | Hexachlorobutadiene         | 26.0  |           | 1.50 | 5.00       | ug/L  |
| 105-60-2       | Caprolactam                 | 25.0  |           | 2.60 | 10.0       | ug/L  |
| 59-50-7        | 4-Chloro-3-methylphenol     | 27.0  |           | 1.60 | 5.00       | ug/L  |
| 90-12-0        | 1-Methylnaphthalene         | 26.0  |           | 0.91 | 5.00       | ug/L  |
| 91-57-6        | 2-Methylnaphthalene         | 26.0  |           | 1.10 | 5.00       | ug/L  |
| 77-47-4        | Hexachlorocyclopentadiene   | 24.0  |           | 3.10 | 10.0       | ug/L  |
| 88-06-2        | 2,4,6-Trichlorophenol       | 27.0  |           | 2.00 | 5.00       | ug/L  |
| 95-95-4        | 2,4,5-Trichlorophenol       | 28.0  |           | 1.60 | 5.00       | ug/L  |
| 92-52-4        | 1,1-Biphenyl                | 26.0  |           | 1.10 | 5.00       | ug/L  |
| 91-58-7        | 2-Chloronaphthalene         | 26.0  |           | 1.10 | 5.00       | ug/L  |

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| Project:           | 51486              |                  | Date Received:  |                 |
| Client Sample ID:  | PB163717BS         |                  | SDG No.:        | P4022           |
| Lab Sample ID:     | PB163717BS         |                  | Matrix:         | Water           |
| Analytical Method: | SFAM_SVOC          |                  | % Solid:        | 0               |
| Sample Wt/Vol:     | 1000               | Units: mL        | Final Vol:      | 1000 uL         |
| Soil Aliquot Vol:  |                    | uL               | Test:           | SPLP BNA Group1 |
| Extraction Type :  |                    | Decanted : N     | Level :         | LOW             |
| Injection Volume : |                    | GPC Factor : 1.0 | GPC Cleanup :   | N PH :          |
| Prep Method :      |                    |                  |                 |                 |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BP022125.D        | 1         | 09/26/24 08:20 | 09/30/24 23:29 | PB163717      |

| CAS Number | Parameter                  | Conc. | Qualifier | MDL  | LOQ / CRQL | Units |
|------------|----------------------------|-------|-----------|------|------------|-------|
| 88-74-4    | 2-Nitroaniline             | 28.0  |           | 1.80 | 5.00       | ug/L  |
| 131-11-3   | Dimethylphthalate          | 26.0  |           | 1.10 | 5.00       | ug/L  |
| 606-20-2   | 2,6-Dinitrotoluene         | 28.0  |           | 1.70 | 5.00       | ug/L  |
| 208-96-8   | Acenaphthylene             | 27.0  |           | 1.20 | 5.00       | ug/L  |
| 99-09-2    | 3-Nitroaniline             | 27.0  |           | 1.60 | 10.0       | ug/L  |
| 83-32-9    | Acenaphthene               | 26.0  |           | 0.96 | 5.00       | ug/L  |
| 51-28-5    | 2,4-Dinitrophenol          | 23.0  |           | 1.80 | 10.0       | ug/L  |
| 100-02-7   | 4-Nitrophenol              | 26.0  |           | 1.40 | 10.0       | ug/L  |
| 132-64-9   | Dibenzofuran               | 26.0  |           | 1.10 | 5.00       | ug/L  |
| 121-14-2   | 2,4-Dinitrotoluene         | 28.0  |           | 1.50 | 5.00       | ug/L  |
| 84-66-2    | Diethylphthalate           | 26.0  |           | 1.30 | 5.00       | ug/L  |
| 86-73-7    | Fluorene                   | 26.0  |           | 0.94 | 5.00       | ug/L  |
| 7005-72-3  | 4-Chlorophenyl-phenylether | 26.0  |           | 1.10 | 5.00       | ug/L  |
| 100-01-6   | 4-Nitroaniline             | 30.0  |           | 0.83 | 10.0       | ug/L  |
| 534-52-1   | 4,6-Dinitro-2-methylphenol | 27.0  |           | 2.40 | 10.0       | ug/L  |
| 86-30-6    | N-Nitrosodiphenylamine     | 27.0  |           | 1.30 | 5.00       | ug/L  |
| 95-94-3    | 1,2,4,5-Tetrachlorobenzene | 27.0  |           | 1.40 | 5.00       | ug/L  |
| 101-55-3   | 4-Bromophenyl-phenylether  | 27.0  |           | 0.95 | 5.00       | ug/L  |
| 118-74-1   | Hexachlorobenzene          | 27.0  |           | 1.20 | 5.00       | ug/L  |
| 1912-24-9  | Atrazine                   | 20.0  |           | 1.80 | 10.0       | ug/L  |
| 87-86-5    | Pentachlorophenol          | 25.0  |           | 1.90 | 10.0       | ug/L  |
| 85-01-8    | Phenanthrene               | 27.0  |           | 1.20 | 5.00       | ug/L  |
| 120-12-7   | Anthracene                 | 26.0  |           | 1.10 | 5.00       | ug/L  |
| 86-74-8    | Carbazole                  | 27.0  |           | 1.10 | 10.0       | ug/L  |
| 84-74-2    | Di-n-butylphthalate        | 26.0  |           | 1.90 | 5.00       | ug/L  |
| 206-44-0   | Fluoranthene               | 26.0  |           | 1.90 | 5.00       | ug/L  |
| 129-00-0   | Pyrene                     | 26.0  |           | 1.80 | 5.00       | ug/L  |
| 85-68-7    | Butylbenzylphthalate       | 26.0  |           | 2.70 | 5.00       | ug/L  |
| 91-94-1    | 3,3-Dichlorobenzidine      | 28.0  |           | 1.40 | 10.0       | ug/L  |
| 56-55-3    | Benzo(a)anthracene         | 26.0  |           | 1.10 | 5.00       | ug/L  |
| 218-01-9   | Chrysene                   | 26.0  |           | 1.10 | 5.00       | ug/L  |

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| Project:           | 51486              |                  | Date Received:  |                 |
| Client Sample ID:  | PB163717BS         |                  | SDG No.:        | P4022           |
| Lab Sample ID:     | PB163717BS         |                  | Matrix:         | Water           |
| Analytical Method: | SFAM_SVOC          |                  | % Solid:        | 0               |
| Sample Wt/Vol:     | 1000               | Units: mL        | Final Vol:      | 1000 uL         |
| Soil Aliquot Vol:  |                    | uL               | Test:           | SPLP BNA Group1 |
| Extraction Type :  |                    | Decanted : N     | Level :         | LOW             |
| Injection Volume : |                    | GPC Factor : 1.0 | GPC Cleanup :   | N PH :          |
| Prep Method :      |                    |                  |                 |                 |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BP022125.D        | 1         | 09/26/24 08:20 | 09/30/24 23:29 | PB163717      |

| CAS Number        | Parameter                     | Conc. | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|-------------------------------|-------|-----------|----------|------------|---------|
| 117-81-7          | Bis(2-ethylhexyl)phthalate    | 26.0  |           | 3.00     | 5.00       | ug/L    |
| 117-84-0          | Di-n-octyl phthalate          | 24.0  |           | 2.40     | 10.0       | ug/L    |
| 205-99-2          | Benzo(b)fluoranthene          | 27.0  |           | 1.40     | 5.00       | ug/L    |
| 207-08-9          | Benzo(k)fluoranthene          | 26.0  |           | 1.40     | 5.00       | ug/L    |
| 50-32-8           | Benzo(a)pyrene                | 26.0  |           | 1.10     | 5.00       | ug/L    |
| 193-39-5          | Indeno(1,2,3-cd)pyrene        | 27.0  |           | 1.40     | 5.00       | ug/L    |
| 53-70-3           | Dibenzo(a,h)anthracene        | 27.0  |           | 1.30     | 5.00       | ug/L    |
| 191-24-2          | Benzo(g,h,i)perylene          | 27.0  |           | 1.20     | 5.00       | ug/L    |
| 58-90-2           | 2,3,4,6-Tetrachlorophenol     | 26.0  |           | 1.50     | 5.00       | ug/L    |
| <b>SURROGATES</b> |                               |       |           |          |            |         |
| 17647-74-4        | 1,4-Dioxane-d8                | 5.10  |           | 15 - 120 | 64%        | SPK: 8  |
| 7291-22-7         | Pyridine-d5                   | 25.1  |           | 20 - 120 | 63%        | SPK: 40 |
| 4165-62-2         | Phenol-d5                     | 25.4  |           | 10 - 130 | 63%        | SPK: 40 |
| 93952-02-4        | Bis-(2-Chloroethyl)ether-d8   | 24.7  |           | 25 - 120 | 62%        | SPK: 40 |
| 93951-73-6        | 2-Chlorophenol-d4             | 27.2  |           | 20 - 130 | 68%        | SPK: 40 |
| 190780-66-6       | 4-Methylphenol-d8             | 25.7  |           | 25 - 125 | 64%        | SPK: 40 |
| 4165-60-0         | Nitrobenzene-d5               | 27.8  |           | 20 - 125 | 69%        | SPK: 40 |
| 93951-78-1        | 2-Nitrophenol-d4              | 28.8  |           | 20 - 130 | 72%        | SPK: 40 |
| 93951-74-7        | 2,4-Dichlorophenol-d3         | 27.9  |           | 20 - 120 | 70%        | SPK: 40 |
| 191656-33-4       | 4-Chloroaniline-d4            | 24.5  |           | 1 - 146  | 61%        | SPK: 40 |
| 85448-30-2        | Dimethylphthalate-d6          | 26.8  |           | 25 - 130 | 67%        | SPK: 40 |
| 93951-97-4        | Acenaphthylene-d8             | 27.5  |           | 10 - 130 | 69%        | SPK: 40 |
| 93951-79-2        | 4-Nitrophenol-d4              | 25.7  |           | 10 - 150 | 64%        | SPK: 40 |
| 81103-79-9        | Fluorene-d10                  | 26.1  |           | 25 - 125 | 65%        | SPK: 40 |
| 93951-76-9        | 4,6-Dinitro-2-methylphenol-d2 | 26.6  |           | 10 - 130 | 66%        | SPK: 40 |
| 1719-06-8         | Anthracene-d10                | 26.5  |           | 25 - 130 | 66%        | SPK: 40 |
| 1718-52-1         | Pyrene-d10                    | 26.4  |           | 15 - 130 | 66%        | SPK: 40 |
| 63466-71-7        | Benzo(a)pyrene-d12            | 27.4  |           | 20 - 130 | 69%        | SPK: 40 |

### INTERNAL STANDARDS

|           |                        |        |       |
|-----------|------------------------|--------|-------|
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 111000 | 7.699 |
|-----------|------------------------|--------|-------|

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| Project:           | 51486              |                  | Date Received:  |                 |
| Client Sample ID:  | PB163717BS         |                  | SDG No.:        | P4022           |
| Lab Sample ID:     | PB163717BS         |                  | Matrix:         | Water           |
| Analytical Method: | SFAM_SVOC          |                  | % Solid:        | 0               |
| Sample Wt/Vol:     | 1000               | Units: mL        | Final Vol:      | 1000 uL         |
| Soil Aliquot Vol:  |                    | uL               | Test:           | SPLP BNA Group1 |
| Extraction Type :  |                    | Decanted : N     | Level :         | LOW             |
| Injection Volume : |                    | GPC Factor : 1.0 | GPC Cleanup :   | N PH :          |
| Prep Method :      |                    |                  |                 |                 |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BP022125.D        | 1         | 09/26/24 08:20 | 09/30/24 23:29 | PB163717      |

| CAS Number                            | Parameter        | Conc.   | Qualifier | MDL | LOQ / CRQL | Units |
|---------------------------------------|------------------|---------|-----------|-----|------------|-------|
| 1146-65-2                             | Naphthalene-d8   | 415000  | 10.457    |     |            |       |
| 15067-26-2                            | Acenaphthene-d10 | 312000  | 14.316    |     |            |       |
| 1517-22-2                             | Phenanthrene-d10 | 747000  | 17.11     |     |            |       |
| 1719-03-5                             | Chrysene-d12     | 874000  | 21.533    |     |            |       |
| 1520-96-3                             | Perylene-d12     | 1060000 | 24.821    |     |            |       |
| <b>TENTATIVE IDENTIFIED COMPOUNDS</b> |                  |         |           |     |            |       |
| E966796                               | Total Alkanes    | 0       |           |     | 99.0       | ug/L  |

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