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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BP091624 SAS No.: BP091624 SDG No.: BP091624

Instrument ID: BNA_P Calibration Date/Time: 9/16/2024 12 13:53

Lab File ID: BP021932.D Init. Calib. Date(s):

EPA Sample No.: SSTDICCC040 Init. Calib. Time(s):

GC Column: ZB-GR ID: 0.25 (mm)

| COMPOUND | RRF | RRF040 | MIN RRF | %D | MAX%D |
|---|---|---|---|---|---|
| n-Nitrosodimethylamine | 0.669 | 0.681 | | 1.794 | |
| Pyridine | 1.117 | 1.248 | | 11.728 | |
| 2-Fluorophenol | 1.108 | 1.058 | | -4.513 | |
| Benzaldehyde | 0.724 | 0.771 | | 6.492 | |
| Aniline | 1.227 | 1.246 | | 1.548 | |
| Phenol-d6 | 1.358 | 1.390 | | 2.356 | |
| Phenol | 1.352 | 1.385 | | 2.441 | 20.0 |
| bis(2-Chloroethyl)ether | 1.084 | 1.106 | | 2.03 | |
| 2-Chlorophenol | 1.155 | 1.161 | | 0.519 | |
| 1,2-Dichlorobenzene | 1.392 | 1.391 | | -0.072 | |
| 1,3-Dichlorobenzene | 1.437 | 1.450 | | 0.905 | |
| 1,4-Dichlorobenzene | 1.455 | 1.455 | | 0.0 | 20.0 |
| Benzyl Alcohol | 1.042 | 1.026 | | -1.536 | |
| 2-Methylphenol | 0.944 | 0.962 | | 1.907 | |
| 2,2-oxybis(1-Chloropropane) | 1.200 | 1.268 | | 5.667 | |
| Acetophenone | 0.470 | 0.359 | | -23.617 | |
| 3+4-Methylphenols | 1.324 | 1.357 | | 2.492 | |
| n-Nitroso-di-n-propylamine | 0.913 | 0.944 | 0.050 | 3.395 | |
| Nitrobenzene-d5 | 0.365 | 0.281 | | -23.014 | |
| Hexachloroethane | 0.535 | 0.557 | | 4.112 | |
| Nitrobenzene | 0.377 | 0.292 | | -22.546 | |
| Isophorone | 0.583 | 0.486 | | -16.638 | |
| 2-Nitrophenol | 0.149 | 0.122 | | -18.121 | 20.0 |
| 2,4-Dimethylphenol | 0.185 | 0.153 | | -17.297 | |
| bis(2-Chloroethoxy)methane | 0.386 | 0.397 | | 2.85 | |
| 2,4-Dichlorophenol | 0.316 | 0.321 | | 1.582 | 20.0 |
| 1,2,4-Trichlorobenzene | 0.385 | 0.384 | | -0.26 | |
| Benzoic acid | 0.202 | 0.165 | | -18.317 | |
| Naphthalene | 1.000 | 1.002 | | 0.2 | |
| 4-Chloroaniline | 0.368 | 0.372 | | 1.087 | |
| Hexachlorobutadiene | 0.266 | 0.253 | | -4.887 | 20.0 |
| Caprolactam | 0.096 | 0.101 | | 5.208 | |
| 4-Chloro-3-methylphenol | 0.343 | 0.338 | | -1.458 | 20.0 |
| 2-Methylnaphthalene | 0.727 | 0.718 | | -1.238 | |
| Hexachlorocyclopentadiene | 0.209 | 0.199 | 0.050 | -4.785 | |
| 2,4,6-Trichlorophenol | 0.384 | 0.390 | | 1.563 | 20.0 |
| 2-Fluorobiphenyl | 1.312 | 1.268 | | -3.354 | |
| 2,4,5-Trichlorophenol | 0.440 | 0.439 | | -0.227 | |
| 1,1-Biphenyl | 1.363 | 1.339 | | -1.761 | |

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BP091624 SAS No.: BP091624 SDG No.: BP091624

Instrument ID: BNA_P Calibration Date/Time: 9/16/2024 12 13:53

Lab File ID: BP021932.D Init. Calib. Date(s):

EPA Sample No.: SSTDICCC040 Init. Calib. Time(s):

GC Column: ZB-GR ID: 0.25 (mm)

| COMPOUND | RRF | RRF040 | MIN RRF | %D | MAX%D |
|---|---|---|---|---|---|
| 2-Chloronaphthalene | 1.094 | 1.081 | | -1.188 | |
| 2-Nitroaniline | 0.301 | 0.309 | | 2.658 | |
| Dimethylphthalate | 1.432 | 1.392 | | -2.793 | |
| Acenaphthylene | 1.567 | 1.566 | | -0.064 | |
| 2,6-Dinitrotoluene | 0.315 | 0.319 | | 1.27 | |
| 3-Nitroaniline | 0.289 | 0.302 | | 4.498 | |
| Acenaphthene | 1.021 | 1.002 | | -1.861 | 20.0 |
| 2,4-Dinitrophenol | 0.164 | 0.164 | 0.050 | 0.0 | |
| 4-Nitrophenol | 0.252 | 0.268 | 0.050 | 6.349 | |
| Dibenzofuran | 1.631 | 1.674 | | 2.636 | |
| 2,4-Dinitrotoluene | 0.426 | 0.444 | | 4.225 | |
| Diethylphthalate | 1.414 | 1.393 | | -1.485 | |
| 4-Chlorophenyl-phenylether | 0.716 | 0.725 | | 1.257 | |
| Fluorene | 1.335 | 1.365 | | 2.247 | |
| 4-Nitroaniline | 0.305 | 0.322 | | 5.574 | |
| 4,6-Dinitro-2-methylphenol | 0.106 | 0.106 | | 0.0 | |
| n-Nitrosodiphenylamine | 0.512 | 0.506 | | -1.172 | 20.0 |
| Azobenzene | 1.234 | 1.273 | | 3.16 | |
| 2,4,6-Tribromophenol | 0.263 | 0.254 | | -3.422 | |
| 4-Bromophenyl-phenylether | 0.204 | 0.199 | | -2.451 | |
| Hexachlorobenzene | 0.243 | 0.232 | | -4.527 | |
| Atrazine | 0.187 | 0.185 | | -1.07 | |
| Pentachlorophenol | 0.163 | 0.160 | | -1.84 | 20.0 |
| Phenanthrene | 0.983 | 0.974 | | -0.916 | |
| Anthracene | 0.944 | 0.941 | | -0.318 | |
| Carbazole | 0.936 | 0.939 | | 0.321 | |
| Di-n-butylphthalate | 1.092 | 1.073 | | -1.74 | |
| Fluoranthene | 1.283 | 1.290 | | 0.546 | 20.0 |
| Benzidine | 0.291 | 0.228 | | -21.649 | |
| Pyrene | 1.278 | 1.312 | | 2.66 | |
| Terphenyl-d14 | 1.013 | 0.983 | | -2.962 | |
| Butylbenzylphthalate | 0.483 | 0.482 | | -0.207 | |
| 3,3-Dichlorobenzidine | 0.429 | 0.441 | | 2.797 | |
| Benzo(a)anthracene | 1.288 | 1.276 | | -0.932 | |
| Chrysene | 1.232 | 1.221 | | -0.893 | |
| Bis(2-ethylhexyl)phthalate | 0.705 | 0.711 | | 0.851 | |
| Di-n-octyl phthalate | 1.163 | 1.172 | | 0.774 | 20.0 |
| Benzo(b)fluoranthene | 1.143 | 1.179 | | 3.15 | |
| Benzo(k)fluoranthene | 1.085 | 1.138 | | 4.885 | |

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BP091624 SAS No.: BP091624 SDG No.: BP091624

Instrument ID: BNA_P Calibration Date/Time: 9/16/2024 12 13:53

Lab File ID: BP021932.D Init. Calib. Date(s):

EPA Sample No.: SSTDICCC040 Init. Calib. Time(s):

GC Column: ZB-GR ID: 0.25 (mm)

| COMPOUND | RRF | RRF040 | MIN RRF | %D | MAX%D |
|---|---|---|---|---|---|
| Benzo(a)pyrene | 1.016 | 1.017 | | 0.098 | 20.0 |
| Indeno(1,2,3-cd)pyrene | 1.284 | 1.258 | | -2.025 | |
| Dibenzo(a,h)anthracene | 1.063 | 1.031 | | -3.01 | |
| Benzo(g,h,i)perylene | 1.106 | 1.090 | | -1.447 | |
| 1,2,4,5-Tetrachlorobenzene | 0.600 | 0.590 | | -1.667 | |
| 1,4-Dioxane | 0.481 | 0.615 | | 27.859 | 20.0 |
| 2,3,4,6-Tetrachlorophenol | 0.375 | 0.391 | | 4.267 | |
| 1-Methylnaphthalene | 0.721 | 0.715 | | -0.832 | |

All other compounds must meet a minimum RRF of 0.010.

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

# Report of Analysis

| | | | | | |
|---|---|---|---|---|---|
| Client: | | | | Date Collected: | |
| Project: | | | | Date Received: | |
| Client Sample ID: | ICVBP091624 | | | SDG No.: | BP091624 |
| Lab Sample ID: | SSTDICV040 | | | Matrix: | Water |
| Analytical Method: | 8270E | | | % Moisture: | 100 |
| Sample Wt/Vol: | 1000 | Units: | mL | Final Vol: | 1000000 uL |
| Soil Aliquot Vol: | | | uL | Test: | |
| Extraction Type : | | | Decanted : | Level : | LOW |
| Injection Volume : | | | GPC Factor : | GPC Cleanup : | PH : |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BP021936.D | 1 | | 9/16/2024 12:00:00 AM | |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 62-75-9 | n-Nitrosodimethylamine | 36000 | | 1000 | 8000 | 10000 | ug/L |
| 110-86-1 | Pyridine | 40200 | | 1600 | 4000 | 5000 | ug/L |
| 100-52-7 | Benzaldehyde | 43400 | | 4000 | 8000 | 10000 | ug/L |
| 62-53-3 | Aniline | 38300 | | 1600 | 4000 | 5000 | ug/L |
| 108-95-2 | Phenol | 38900 | | 930 | 4000 | 5000 | ug/L |
| 111-44-4 | bis(2-Chloroethyl)ether | 38700 | | 1200 | 4000 | 5000 | ug/L |
| 95-57-8 | 2-Chlorophenol | 39000 | | 710 | 4000 | 5000 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | 39200 | | 880 | 4000 | 5000 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | 39800 | | 800 | 4000 | 5000 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 39400 | | 840 | 4000 | 5000 | ug/L |
| 100-51-6 | Benzyl Alcohol | 38800 | | 1600 | 8000 | 10000 | ug/L |
| 95-48-7 | 2-Methylphenol | 38800 | | 1100 | 4000 | 5000 | ug/L |
| 108-60-1 | 2,2-oxybis(1-Chloropropane) | 38200 | | 1400 | 4000 | 5000 | ug/L |
| 98-86-2 | Acetophenone | 40200 | | 1100 | 4000 | 5000 | ug/L |
| 65794-96-9 | 3+4-Methylphenols | 38300 | | 1200 | 8000 | 10000 | ug/L |
| 621-64-7 | n-Nitroso-di-n-propylamine | 37900 | | 1500 | 2500 | 2500 | ug/L |
| 67-72-1 | Hexachloroethane | 40400 | | 1000 | 4000 | 5000 | ug/L |
| 98-95-3 | Nitrobenzene | 41000 | | 1300 | 4000 | 5000 | ug/L |
| 78-59-1 | Isophorone | 42600 | | 1100 | 4000 | 5000 | ug/L |
| 88-75-5 | 2-Nitrophenol | 44400 | | 2000 | 4000 | 5000 | ug/L |
| 105-67-9 | 2,4-Dimethylphenol | 42600 | | 1500 | 4000 | 5000 | ug/L |
| 111-91-1 | bis(2-Chloroethoxy)methane | 39500 | | 1000 | 4000 | 5000 | ug/L |
| 120-83-2 | 2,4-Dichlorophenol | 40900 | | 880 | 4000 | 5000 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | 39600 | | 1100 | 4000 | 5000 | ug/L |
| 65-85-0 | Benzoic acid | 42500 | | 5500 | 8000 | 10000 | ug/L |
| 91-20-3 | Naphthalene | 39200 | | 1000 | 4000 | 5000 | ug/L |
| 106-47-8 | 4-Chloroaniline | 38800 | | 1300 | 4000 | 5000 | ug/L |
| 87-68-3 | Hexachlorobutadiene | 40700 | | 1300 | 4000 | 5000 | ug/L |

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

# Report of Analysis

| | | | | | |
|---|---|---|---|---|---|
| Client: | | | Date Collected: | | |
| Project: | | | Date Received: | | |
| Client Sample ID: | ICVBP091624 | | SDG No.: | BP091624 | |
| Lab Sample ID: | SSTDICV040 | | Matrix: | Water | |
| Analytical Method: | 8270E | | % Moisture: | 100 | |
| Sample Wt/Vol: | 1000 Units: | mL | Final Vol: | 1000000 | uL |
| Soil Aliquot Vol: | | uL | Test: | | |
| Extraction Type : | | Decanted : | Level : | LOW | |
| Injection Volume : | | GPC Factor : | GPC Cleanup : | | PH : |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BP021936.D | 1 | | 9/16/2024 12:00:00 AM | |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| 105-60-2 | Caprolactam | 39800 | | 1700 | 8000 | 10000 | ug/L |
| 59-50-7 | 4-Chloro-3-methylphenol | 40700 | | 840 | 4000 | 5000 | ug/L |
| 91-57-6 | 2-Methylnaphthalene | 40000 | | 1100 | 4000 | 5000 | ug/L |
| 77-47-4 | Hexachlorocyclopentadiene | 30400 | | 5000 | 8000 | 10000 | ug/L |
| 88-06-2 | 2,4,6-Trichlorophenol | 31800 | | 890 | 4000 | 5000 | ug/L |
| 95-95-4 | 2,4,5-Trichlorophenol | 31000 | | 1000 | 4000 | 5000 | ug/L |
| 92-52-4 | 1,1-Biphenyl | 30700 | | 910 | 4000 | 5000 | ug/L |
| 91-58-7 | 2-Chloronaphthalene | 30900 | | 970 | 4000 | 5000 | ug/L |
| 88-74-4 | 2-Nitroaniline | 32100 | | 1400 | 4000 | 5000 | ug/L |
| 131-11-3 | Dimethylphthalate | 33300 | | 930 | 4000 | 5000 | ug/L |
| 208-96-8 | Acenaphthylene | 40000 | | 1000 | 4000 | 5000 | ug/L |
| 606-20-2 | 2,6-Dinitrotoluene | 35800 | | 1200 | 4000 | 5000 | ug/L |
| 99-09-2 | 3-Nitroaniline | 40700 | | 1400 | 4000 | 5000 | ug/L |
| 83-32-9 | Acenaphthene | 38600 | | 810 | 4000 | 5000 | ug/L |
| Total PAH | Total PAH | 635700 | | 17360 | 4000 | 80000 | ug/L |
| 51-28-5 | 2,4-Dinitrophenol | 40200 | | 6400 | 8000 | 10000 | ug/L |
| 100-02-7 | 4-Nitrophenol | 41100 | | 2000 | 8000 | 10000 | ug/L |
| 132-64-9 | Dibenzofuran | 40900 | | 930 | 4000 | 5000 | ug/L |
| 121-14-2 | 2,4-Dinitrotoluene | 41200 | | 1500 | 4000 | 5000 | ug/L |
| 25321-14-6 | 2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixtur | 77000 | | 2700 | 4000 | 10000 | ug/L |
| 84-66-2 | Diethylphthalate | 37900 | | 1000 | 4000 | 5000 | ug/L |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 39700 | | 980 | 4000 | 5000 | ug/L |
| 86-73-7 | Fluorene | 40200 | | 960 | 4000 | 5000 | ug/L |
| 100-01-6 | 4-Nitroaniline | 40500 | | 2000 | 4000 | 5000 | ug/L |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 40500 | | 3100 | 8000 | 10000 | ug/L |
| 86-30-6 | n-Nitrosodiphenylamine | 40600 | | 890 | 4000 | 5000 | ug/L |
| 103-33-3 | Azobenzene | 39300 | | 1200 | 4000 | 5000 | ug/L |
| 101-55-3 | 4-Bromophenyl-phenylether | 39800 | | 950 | 4000 | 5000 | ug/L |
| 118-74-1 | Hexachlorobenzene | 39400 | | 1100 | 4000 | 5000 | ug/L |
| 1912-24-9 | Atrazine | 38600 | | 1300 | 4000 | 5000 | ug/L |

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

# Report of Analysis

| | | | | | |
|---|---|---|---|---|---|
| Client: | | | | Date Collected: | |
| Project: | | | | Date Received: | |
| Client Sample ID: | ICVBP091624 | | | SDG No.: | BP091624 |
| Lab Sample ID: | SSTDICV040 | | | Matrix: | Water |
| Analytical Method: | 8270E | | | % Moisture: | 100 |
| Sample Wt/Vol: | 1000 | Units: | mL | Final Vol: | 1000000 uL |
| Soil Aliquot Vol: | | | uL | Test: | |
| Extraction Type : | | | Decanted : | Level : | LOW |
| Injection Volume : | | | GPC Factor : | GPC Cleanup : | PH : |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BP021936.D | 1 | | 9/16/2024 12:00:00 AM | |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| 87-86-5 | Pentachlorophenol | 40300 | | 1900 | 8000 | 10000 | ug/L |
| 85-01-8 | Phenanthrene | 39700 | | 890 | 4000 | 5000 | ug/L |
| 120-12-7 | Anthracene | 39800 | | 1100 | 4000 | 5000 | ug/L |
| 86-74-8 | Carbazole | 40300 | | 1200 | 4000 | 5000 | ug/L |
| 84-74-2 | Di-n-butylphthalate | 34900 | | 1500 | 4000 | 5000 | ug/L |
| 206-44-0 | Fluoranthene | 39500 | | 1300 | 4000 | 5000 | ug/L |
| 92-87-5 | Benzidine | 34400 | | 4100 | 8000 | 10000 | ug/L |
| 129-00-0 | Pyrene | 40900 | | 1100 | 4000 | 5000 | ug/L |
| 85-68-7 | Butylbenzylphthalate | 39200 | | 2100 | 4000 | 5000 | ug/L |
| 91-94-1 | 3,3-Dichlorobenzidine | 41700 | | 1300 | 8000 | 10000 | ug/L |
| 56-55-3 | Benzo(a)anthracene | 39500 | | 940 | 4000 | 5000 | ug/L |
| 218-01-9 | Chrysene | 38900 | | 860 | 4000 | 5000 | ug/L |
| 117-81-7 | Bis(2-ethylhexyl)phthalate | 39600 | | 1900 | 4000 | 5000 | ug/L |
| 117-84-0 | Di-n-octyl phthalate | 32200 | | 2500 | 8000 | 10000 | ug/L |
| 205-99-2 | Benzo(b)fluoranthene | 40400 | | 1100 | 4000 | 5000 | ug/L |
| 207-08-9 | Benzo(k)fluoranthene | 41700 | | 1200 | 4000 | 5000 | ug/L |
| 50-32-8 | Benzo(a)pyrene | 39700 | | 1700 | 4000 | 5000 | ug/L |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 39300 | | 1000 | 4000 | 5000 | ug/L |
| 53-70-3 | Dibenzo(a,h)anthracene | 38900 | | 1200 | 4000 | 5000 | ug/L |
| 191-24-2 | Benzo(g,h,i)perylene | 39400 | | 1200 | 4000 | 5000 | ug/L |
| 95-94-3 | 1,2,4,5-Tetrachlorobenzene | 29100 | | 1100 | 4000 | 5000 | ug/L |
| 123-91-1 | 1,4-Dioxane | 36400 | | 1300 | 4000 | 5000 | ug/L |
| 58-90-2 | 2,3,4,6-Tetrachlorophenol | 41300 | | 790 | 4000 | 5000 | ug/L |
| 90-12-0 | 1-Methylnaphthalene | 40100 | | 860 | 4000 | 5000 | ug/L |
| **SURROGATES** | | | | | | | |
| 367-12-4 | 2-Fluorophenol | 75094 | * | 10-139 | | 50063 | SPK: -150 |
| 13127-88-3 | Phenol-d6 | 78812 | * | 10-134 | | 52541 | SPK: -150 |
| 4165-60-0 | Nitrobenzene-d5 | 82446 | * | 49-133 | | 82446 | SPK: -100 |
| 321-60-8 | 2-Fluorobiphenyl | 60600 | * | 52-132 | | 60600 | SPK: -100 |

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

# Report of Analysis

| | | | | | |
|---|---|---|---|---|---|
| Client: | | | | Date Collected: | |
| Project: | | | | Date Received: | |
| Client Sample ID: | ICVBP091624 | | | SDG No.: | BP091624 |
| Lab Sample ID: | SSTDICV040 | | | Matrix: | Water |
| Analytical Method: | 8270E | | | % Moisture: | 100 |
| Sample Wt/Vol: | 1000 | Units: | mL | Final Vol: | 1000000 uL |
| Soil Aliquot Vol: | | | uL | Test: | |
| Extraction Type : | | | Decanted : | Level : | LOW |
| Injection Volume : | | | GPC Factor : | GPC Cleanup : | PH : |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BP021936.D | 1 | | 9/16/2024 12:00:00 AM | |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| 118-79-6 | 2,4,6-Tribromophenol | 76181 | * | 44-137 | | 50787 | SPK: -150 |
| 1718-51-0 | Terphenyl-d14 | 78206 | * | 48-125 | | 78206 | SPK: -100 |
| **INTERNAL STANDARDS** | | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 120317 | 7.746 | | | | |
| 1146-65-2 | Naphthalene-d8 | 444569 | 10.51 | | | | |
| 15067-26-2 | Acenaphthene-d10 | 465447 | 14.363 | | | | |
| 1517-22-2 | Phenanthrene-d10 | 1025609 | 17.145 | | | | |
| 1719-03-5 | Chrysene-d12 | 1049686 | 21.586 | | | | |
| 1520-96-3 | Perylene-d12 | 1189524 | 24.892 | | | | |

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

# Report of Analysis

| | | | | | |
|---|---|---|---|---|---|
| Client: | | | | Date Collected: | 8/30/2024 12:00:00 AM |
| Project: | | | | Date Received: | 8/30/2024 12:00:00 AM |
| Client Sample ID: | PB163076BL | | | SDG No.: | BP091624 |
| Lab Sample ID: | PB163076BL | | | Matrix: | Solid |
| Analytical Method: | 8270E | | | % Moisture: | 0 |
| Sample Wt/Vol: | 30.02 | Units: | g | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | | | uL | Test: | |
| Extraction Type : | | | Decanted : | Level : | LOW |
| Injection Volume : | | | GPC Factor : | GPC Cleanup : | PH : |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BP021937.D | 1 | 8/30/2024 12:00:00 AM | 9/16/2024 12:00:00 AM | PB163076 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 62-75-9 | n-Nitrosodimethylamine | 86.7 | U | 86.7 | 270 | 330 | ug/Kg |
| 110-86-1 | Pyridine | 79.8 | U | 79.8 | 130 | 170 | ug/Kg |
| 100-52-7 | Benzaldehyde | 180 | U | 180 | 270 | 330 | ug/Kg |
| 62-53-3 | Aniline | 96.8 | U | 96.8 | 130 | 170 | ug/Kg |
| 108-95-2 | Phenol | 82.8 | U | 82.8 | 130 | 170 | ug/Kg |
| 111-44-4 | bis(2-Chloroethyl)ether | 83.6 | U | 83.6 | 130 | 170 | ug/Kg |
| 95-57-8 | 2-Chlorophenol | 83.4 | U | 83.4 | 130 | 170 | ug/Kg |
| 95-50-1 | 1,2-Dichlorobenzene | 84.5 | U | 84.5 | 130 | 170 | ug/Kg |
| 541-73-1 | 1,3-Dichlorobenzene | 85.9 | U | 85.9 | 130 | 170 | ug/Kg |
| 106-46-7 | 1,4-Dichlorobenzene | 86.4 | U | 86.4 | 130 | 170 | ug/Kg |
| 100-51-6 | Benzyl Alcohol | 82.9 | U | 82.9 | 270 | 330 | ug/Kg |
| 95-48-7 | 2-Methylphenol | 80.5 | U | 80.5 | 130 | 170 | ug/Kg |
| 108-60-1 | 2,2-oxybis(1-Chloropropane) | 90.8 | U | 90.8 | 130 | 170 | ug/Kg |
| 98-86-2 | Acetophenone | 86.8 | U | 86.8 | 130 | 170 | ug/Kg |
| 65794-96-9 | 3+4-Methylphenols | 79.7 | U | 79.7 | 270 | 330 | ug/Kg |
| 621-64-7 | n-Nitroso-di-n-propylamine | 40.3 | U | 40.3 | 79.9 | 79.9 | ug/Kg |
| 67-72-1 | Hexachloroethane | 82.9 | U | 82.9 | 130 | 170 | ug/Kg |
| 98-95-3 | Nitrobenzene | 90.7 | U | 90.7 | 130 | 170 | ug/Kg |
| 78-59-1 | Isophorone | 84.5 | U | 84.5 | 130 | 170 | ug/Kg |
| 88-75-5 | 2-Nitrophenol | 94.4 | U | 94.4 | 130 | 170 | ug/Kg |
| 105-67-9 | 2,4-Dimethylphenol | 93.1 | U | 93.1 | 130 | 170 | ug/Kg |
| 111-91-1 | bis(2-Chloroethoxy)methane | 85.7 | U | 85.7 | 130 | 170 | ug/Kg |
| 120-83-2 | 2,4-Dichlorophenol | 75.4 | U | 75.4 | 130 | 170 | ug/Kg |
| 120-82-1 | 1,2,4-Trichlorobenzene | 85.3 | U | 85.3 | 130 | 170 | ug/Kg |
| 65-85-0 | Benzoic acid | 240 | U | 240 | 270 | 330 | ug/Kg |
| 91-20-3 | Naphthalene | 82.5 | U | 82.5 | 130 | 170 | ug/Kg |
| 106-47-8 | 4-Chloroaniline | 82.5 | U | 82.5 | 130 | 170 | ug/Kg |
| 87-68-3 | Hexachlorobutadiene | 83.2 | U | 83.2 | 130 | 170 | ug/Kg |

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

# Report of Analysis

| | | | | | |
|---|---|---|---|---|---|
| Client: | | | | Date Collected: | 8/30/2024 12:00:00 AM |
| Project: | | | | Date Received: | 8/30/2024 12:00:00 AM |
| Client Sample ID: | PB163076BL | | | SDG No.: | BP091624 |
| Lab Sample ID: | PB163076BL | | | Matrix: | Solid |
| Analytical Method: | 8270E | | | % Moisture: | 0 |
| Sample Wt/Vol: | 30.02 | Units: | g | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | | | uL | Test: | |
| Extraction Type : | | | Decanted : | Level : | LOW |
| Injection Volume : | | | GPC Factor : | GPC Cleanup : | PH : |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BP021937.D | 1 | 8/30/2024 12:00:00 AM | 9/16/2024 12:00:00 AM | PB163076 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| 105-60-2 | Caprolactam | 86.7 | U | 86.7 | 270 | 330 | ug/Kg |
| 59-50-7 | 4-Chloro-3-methylphenol | 77.4 | U | 77.4 | 130 | 170 | ug/Kg |
| 91-57-6 | 2-Methylnaphthalene | 82.4 | U | 82.4 | 130 | 170 | ug/Kg |
| 77-47-4 | Hexachlorocyclopentadiene | 160 | U | 160 | 270 | 330 | ug/Kg |
| 88-06-2 | 2,4,6-Trichlorophenol | 71.4 | U | 71.4 | 130 | 170 | ug/Kg |
| 95-95-4 | 2,4,5-Trichlorophenol | 74 | U | 74 | 130 | 170 | ug/Kg |
| 92-52-4 | 1,1-Biphenyl | 87.3 | U | 87.3 | 130 | 170 | ug/Kg |
| 91-58-7 | 2-Chloronaphthalene | 83.2 | U | 83.2 | 130 | 170 | ug/Kg |
| 88-74-4 | 2-Nitroaniline | 94.9 | U | 94.9 | 130 | 170 | ug/Kg |
| 131-11-3 | Dimethylphthalate | 81.6 | U | 81.6 | 130 | 170 | ug/Kg |
| 208-96-8 | Acenaphthylene | 86.4 | U | 86.4 | 130 | 170 | ug/Kg |
| 606-20-2 | 2,6-Dinitrotoluene | 83.1 | U | 83.1 | 130 | 170 | ug/Kg |
| 99-09-2 | 3-Nitroaniline | 89.1 | U | 89.1 | 130 | 170 | ug/Kg |
| 83-32-9 | Acenaphthene | 81 | U | 81 | 130 | 170 | ug/Kg |
| Total PAH | Total PAH | 1323.5 | U | 1323.5 | 130 | 2720 | ug/Kg |
| 51-28-5 | 2,4-Dinitrophenol | 240 | U | 240 | 270 | 330 | ug/Kg |
| 100-02-7 | 4-Nitrophenol | 120 | U | 120 | 270 | 330 | ug/Kg |
| 132-64-9 | Dibenzofuran | 84.3 | U | 84.3 | 130 | 170 | ug/Kg |
| 25321-14-6 | 2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture | 169.2 | U | 169.2 | 130 | 340 | ug/Kg |
| 121-14-2 | 2,4-Dinitrotoluene | 86.1 | U | 86.1 | 130 | 170 | ug/Kg |
| 84-66-2 | Diethylphthalate | 80 | U | 80 | 130 | 170 | ug/Kg |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 85.5 | U | 85.5 | 130 | 170 | ug/Kg |
| 86-73-7 | Fluorene | 85.4 | U | 85.4 | 130 | 170 | ug/Kg |
| 100-01-6 | 4-Nitroaniline | 110 | U | 110 | 130 | 170 | ug/Kg |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 120 | U | 120 | 270 | 330 | ug/Kg |
| 86-30-6 | n-Nitrosodiphenylamine | 81.5 | U | 81.5 | 130 | 170 | ug/Kg |
| 103-33-3 | Azobenzene | 79.5 | U | 79.5 | 130 | 170 | ug/Kg |
| 101-55-3 | 4-Bromophenyl-phenylether | 78.8 | U | 78.8 | 130 | 170 | ug/Kg |
| 118-74-1 | Hexachlorobenzene | 84.9 | U | 84.9 | 130 | 170 | ug/Kg |
| 1912-24-9 | Atrazine | 91.3 | U | 91.3 | 130 | 170 | ug/Kg |

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

# Report of Analysis

| | | | | | |
|---|---|---|---|---|---|
| Client: | | | | Date Collected: | 8/30/2024 12:00:00 AM |
| Project: | | | | Date Received: | 8/30/2024 12:00:00 AM |
| Client Sample ID: | PB163076BL | | | SDG No.: | BP091624 |
| Lab Sample ID: | PB163076BL | | | Matrix: | Solid |
| Analytical Method: | 8270E | | | % Moisture: | 0 |
| Sample Wt/Vol: | 30.02 | Units: | g | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | | | uL | Test: | |
| Extraction Type : | | | Decanted : | Level : | LOW |
| Injection Volume : | | | GPC Factor : | GPC Cleanup : | PH : |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BP021937.D | 1 | 8/30/2024 12:00:00 AM | 9/16/2024 12:00:00 AM | PB163076 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| 87-86-5 | Pentachlorophenol | 77.2 | U | 77.2 | 270 | 330 | ug/Kg |
| 85-01-8 | Phenanthrene | 83.9 | U | 83.9 | 130 | 170 | ug/Kg |
| 120-12-7 | Anthracene | 84.3 | U | 84.3 | 130 | 170 | ug/Kg |
| 86-74-8 | Carbazole | 80.2 | U | 80.2 | 130 | 170 | ug/Kg |
| 84-74-2 | Di-n-butylphthalate | 84.2 | U | 84.2 | 130 | 170 | ug/Kg |
| 206-44-0 | Fluoranthene | 81.6 | U | 81.6 | 130 | 170 | ug/Kg |
| 92-87-5 | Benzidine | 160 | U | 160 | 270 | 330 | ug/Kg |
| 129-00-0 | Pyrene | 82.9 | U | 82.9 | 130 | 170 | ug/Kg |
| 85-68-7 | Butylbenzylphthalate | 96.7 | U | 96.7 | 130 | 170 | ug/Kg |
| 91-94-1 | 3,3-Dichlorobenzidine | 98.5 | U | 98.5 | 270 | 330 | ug/Kg |
| 56-55-3 | Benzo(a)anthracene | 80.6 | U | 80.6 | 130 | 170 | ug/Kg |
| 218-01-9 | Chrysene | 79.4 | U | 79.4 | 130 | 170 | ug/Kg |
| 117-81-7 | Bis(2-ethylhexyl)phthalate | 90.9 | U | 90.9 | 130 | 170 | ug/Kg |
| 117-84-0 | Di-n-octyl phthalate | 110 | U | 110 | 270 | 330 | ug/Kg |
| 205-99-2 | Benzo(b)fluoranthene | 81 | U | 81 | 130 | 170 | ug/Kg |
| 207-08-9 | Benzo(k)fluoranthene | 82.5 | U | 82.5 | 130 | 170 | ug/Kg |
| 50-32-8 | Benzo(a)pyrene | 92.9 | U | 92.9 | 130 | 170 | ug/Kg |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 78 | U | 78 | 130 | 170 | ug/Kg |
| 53-70-3 | Dibenzo(a,h)anthracene | 81.1 | U | 81.1 | 130 | 170 | ug/Kg |
| 191-24-2 | Benzo(g,h,i)perylene | 80 | U | 80 | 130 | 170 | ug/Kg |
| 95-94-3 | 1,2,4,5-Tetrachlorobenzene | 86.7 | U | 86.7 | 130 | 170 | ug/Kg |
| 123-91-1 | 1,4-Dioxane | 110 | U | 110 | 130 | 170 | ug/Kg |
| 58-90-2 | 2,3,4,6-Tetrachlorophenol | 74.7 | U | 74.7 | 130 | 170 | ug/Kg |
| 90-12-0 | 1-Methylnaphthalene | 83.1 | U | 83.1 | 170 | 170 | ug/Kg |
| **SURROGATES** | | | | | | | |
| 367-12-4 | 2-Fluorophenol | 130.162 | | 18-112 | | 87 | SPK: -150 |
| 13127-88-3 | Phenol-d6 | 112.889 | | 15-107 | | 75 | SPK: -150 |
| 4165-60-0 | Nitrobenzene-d5 | 122.958 | * | 18-107 | | 123 | SPK: -100 |
| 321-60-8 | 2-Fluorobiphenyl | 83.639 | | 20-109 | | 84 | SPK: -100 |

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

# Report of Analysis

| | | | | | |
|---|---|---|---|---|---|
| Client: | | | | Date Collected: | 8/30/2024 12:00:00 AM |
| Project: | | | | Date Received: | 8/30/2024 12:00:00 AM |
| Client Sample ID: | PB163076BL | | | SDG No.: | BP091624 |
| Lab Sample ID: | PB163076BL | | | Matrix: | Solid |
| Analytical Method: | 8270E | | | % Moisture: | 0 |
| Sample Wt/Vol: | 30.02 | Units: | g | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | | | uL | Test: | |
| Extraction Type : | | | Decanted : | Level : | LOW |
| Injection Volume : | | | GPC Factor : | GPC Cleanup : | PH : |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BP021937.D | 1 | 8/30/2024 12:00:00 AM | 9/16/2024 12:00:00 AM | PB163076 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| 118-79-6 | 2,4,6-Tribromophenol | 116.014 | | 10-116 | | 77 | SPK: -150 |
| 1718-51-0 | Terphenyl-d14 | 84.049 | | 10-105 | | 84 | SPK: -100 |
| **INTERNAL STANDARDS** | | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 247840 | 7.699 | | | | |
| 1146-65-2 | Naphthalene-d8 | 640886 | 10.475 | | | | |
| 15067-26-2 | Acenaphthene-d10 | 612448 | 14.345 | | | | |
| 1517-22-2 | Phenanthrene-d10 | 1343596 | 17.133 | | | | |
| 1719-03-5 | Chrysene-d12 | 1392486 | 21.586 | | | | |
| 1520-96-3 | Perylene-d12 | 1501306 | 24.898 | | | | |
| **TENTATIVE IDENTIFIED COMPOUNDS** | | | | | | | |
| 000123-42-2 | 2-Pentanone, 4-hydroxy-4-methyl- | 160 | A | | | 4.875 | |
| 000629-94-7 | Heneicosane | 87.3 | J | | | 25.045 | |

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

# Hit Summary Sheet
**SW-846**

**SDG No.:** BP091624

**Client:**

| Sample ID | Client ID | | Parameter | Concentration | C | MDL | RDL | Units |
|---|---|---|---|---|---|---|---|---|
| **Client ID :** | **ICVBP091624** | | | | | | | |
| SSTDICV040 | ICVBP091624 | Water | 1,1-Biphenyl | 30,700.000 | | 910 | 5000 | ug/L |
| SSTDICV040 | ICVBP091624 | Water | 1,2,4,5-Tetrachlorobenzene | 29,100.000 | | 1100 | 5000 | ug/L |
| SSTDICV040 | ICVBP091624 | Water | 1,2,4-Trichlorobenzene | 39,600.000 | | 1100 | 5000 | ug/L |
| SSTDICV040 | ICVBP091624 | Water | 1,2-Dichlorobenzene | 39,200.000 | | 880 | 5000 | ug/L |
| SSTDICV040 | ICVBP091624 | Water | 1,3-Dichlorobenzene | 39,800.000 | | 800 | 5000 | ug/L |
| SSTDICV040 | ICVBP091624 | Water | 1,4-Dichlorobenzene | 39,400.000 | | 840 | 5000 | ug/L |
| SSTDICV040 | ICVBP091624 | Water | 1,4-Dioxane | 36,400.000 | | 1300 | 5000 | ug/L |
| SSTDICV040 | ICVBP091624 | Water | 1-Methylnaphthalene | 40,100.000 | | 860 | 5000 | ug/L |
| SSTDICV040 | ICVBP091624 | Water | 2,2-oxybis(1-Chloropropane) | 38,200.000 | | 1400 | 5000 | ug/L |
| SSTDICV040 | ICVBP091624 | Water | 2,3,4,6-Tetrachlorophenol | 41,300.000 | | 790 | 5000 | ug/L |
| SSTDICV040 | ICVBP091624 | Water | 2,4,5-Trichlorophenol | 31,000.000 | | 1000 | 5000 | ug/L |
| SSTDICV040 | ICVBP091624 | Water | 2,4,6-Trichlorophenol | 31,800.000 | | 890 | 5000 | ug/L |
| SSTDICV040 | ICVBP091624 | Water | 2,4-Dichlorophenol | 40,900.000 | | 880 | 5000 | ug/L |
| SSTDICV040 | ICVBP091624 | Water | 2,4-Dimethylphenol | 42,600.000 | | 1500 | 5000 | ug/L |
| SSTDICV040 | ICVBP091624 | Water | 2,4-Dinitrophenol | 40,200.000 | | 6400 | 10000 | ug/L |
| SSTDICV040 | ICVBP091624 | Water | 2,4-Dinitrotoluene | 41,200.000 | | 1500 | 5000 | ug/L |
| SSTDICV040 | ICVBP091624 | Water | 2,6-Dinitrotoluene | 35,800.000 | | 1200 | 5000 | ug/L |
| SSTDICV040 | ICVBP091624 | Water | 2-Chloronaphthalene | 30,900.000 | | 970 | 5000 | ug/L |
| SSTDICV040 | ICVBP091624 | Water | 2-Chlorophenol | 39,000.000 | | 710 | 5000 | ug/L |
| SSTDICV040 | ICVBP091624 | Water | 2-Methylnaphthalene | 40,000.000 | | 1100 | 5000 | ug/L |
| SSTDICV040 | ICVBP091624 | Water | 2-Methylphenol | 38,800.000 | | 1100 | 5000 | ug/L |
| SSTDICV040 | ICVBP091624 | Water | 2-Nitroaniline | 32,100.000 | | 1400 | 5000 | ug/L |
| SSTDICV040 | ICVBP091624 | Water | 2-Nitrophenol | 44,400.000 | | 2000 | 5000 | ug/L |
| SSTDICV040 | ICVBP091624 | Water | 3+4-Methylphenols | 38,300.000 | | 1200 | 10000 | ug/L |
| SSTDICV040 | ICVBP091624 | Water | 3,3-Dichlorobenzidine | 41,700.000 | | 1300 | 10000 | ug/L |
| SSTDICV040 | ICVBP091624 | Water | 3-Nitroaniline | 40,700.000 | | 1400 | 5000 | ug/L |
| SSTDICV040 | ICVBP091624 | Water | 4,6-Dinitro-2-methylphenol | 40,500.000 | | 3100 | 10000 | ug/L |
| SSTDICV040 | ICVBP091624 | Water | 4-Bromophenyl-phenylether | 39,800.000 | | 950 | 5000 | ug/L |
| SSTDICV040 | ICVBP091624 | Water | 4-Chloro-3-methylphenol | 40,700.000 | | 840 | 5000 | ug/L |
| SSTDICV040 | ICVBP091624 | Water | 4-Chloroaniline | 38,800.000 | | 1300 | 5000 | ug/L |
| SSTDICV040 | ICVBP091624 | Water | 4-Chlorophenyl-phenylether | 39,700.000 | | 980 | 5000 | ug/L |
| SSTDICV040 | ICVBP091624 | Water | 4-Nitroaniline | 40,500.000 | | 2000 | 5000 | ug/L |
| SSTDICV040 | ICVBP091624 | Water | 4-Nitrophenol | 41,100.000 | | 2000 | 10000 | ug/L |
| SSTDICV040 | ICVBP091624 | Water | Acenaphthene | 38,600.000 | | 810 | 5000 | ug/L |
| SSTDICV040 | ICVBP091624 | Water | Acenaphthylene | 40,000.000 | | 1000 | 5000 | ug/L |
| SSTDICV040 | ICVBP091624 | Water | Acetophenone | 40,200.000 | | 1100 | 5000 | ug/L |
| SSTDICV040 | ICVBP091624 | Water | Aniline | 38,300.000 | | 1600 | 5000 | ug/L |

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

# Hit Summary Sheet
**SW-846**

**SDG No.:** BP091624

**Client:**

| Sample ID | Client ID | | Parameter | Concentration | C | MDL | RDL | Units |
|---|---|---|---|---|---|---|---|---|
| SSTDICV040 | ICVBP091624 | Water | Anthracene | 39,800.000 | | 1100 | 5000 | ug/L |
| SSTDICV040 | ICVBP091624 | Water | Atrazine | 38,600.000 | | 1300 | 5000 | ug/L |
| SSTDICV040 | ICVBP091624 | Water | Azobenzene | 39,300.000 | | 1200 | 5000 | ug/L |
| SSTDICV040 | ICVBP091624 | Water | Benzaldehyde | 43,400.000 | | 4000 | 10000 | ug/L |
| SSTDICV040 | ICVBP091624 | Water | Benzidine | 34,400.000 | | 4100 | 10000 | ug/L |
| SSTDICV040 | ICVBP091624 | Water | Benzo(a)anthracene | 39,500.000 | | 940 | 5000 | ug/L |
| SSTDICV040 | ICVBP091624 | Water | Benzo(a)pyrene | 39,700.000 | | 1700 | 5000 | ug/L |
| SSTDICV040 | ICVBP091624 | Water | Benzo(b)fluoranthene | 40,400.000 | | 1100 | 5000 | ug/L |
| SSTDICV040 | ICVBP091624 | Water | Benzo(g,h,i)perylene | 39,400.000 | | 1200 | 5000 | ug/L |
| SSTDICV040 | ICVBP091624 | Water | Benzo(k)fluoranthene | 41,700.000 | | 1200 | 5000 | ug/L |
| SSTDICV040 | ICVBP091624 | Water | Benzoic acid | 42,500.000 | | 5500 | 10000 | ug/L |
| SSTDICV040 | ICVBP091624 | Water | Benzyl Alcohol | 38,800.000 | | 1600 | 10000 | ug/L |
| SSTDICV040 | ICVBP091624 | Water | bis(2-Chloroethoxy)methane | 39,500.000 | | 1000 | 5000 | ug/L |
| SSTDICV040 | ICVBP091624 | Water | bis(2-Chloroethyl)ether | 38,700.000 | | 1200 | 5000 | ug/L |
| SSTDICV040 | ICVBP091624 | Water | Bis(2-ethylhexyl)phthalate | 39,600.000 | | 1900 | 5000 | ug/L |
| SSTDICV040 | ICVBP091624 | Water | Butylbenzylphthalate | 39,200.000 | | 2100 | 5000 | ug/L |
| SSTDICV040 | ICVBP091624 | Water | Caprolactam | 39,800.000 | | 1700 | 10000 | ug/L |
| SSTDICV040 | ICVBP091624 | Water | Carbazole | 40,300.000 | | 1200 | 5000 | ug/L |
| SSTDICV040 | ICVBP091624 | Water | Chrysene | 38,900.000 | | 860 | 5000 | ug/L |
| SSTDICV040 | ICVBP091624 | Water | Di-n-butylphthalate | 34,900.000 | | 1500 | 5000 | ug/L |
| SSTDICV040 | ICVBP091624 | Water | Di-n-octyl phthalate | 32,200.000 | | 2500 | 10000 | ug/L |
| SSTDICV040 | ICVBP091624 | Water | Dibenzo(a,h)anthracene | 38,900.000 | | 1200 | 5000 | ug/L |
| SSTDICV040 | ICVBP091624 | Water | Dibenzofuran | 40,900.000 | | 930 | 5000 | ug/L |
| SSTDICV040 | ICVBP091624 | Water | Diethylphthalate | 37,900.000 | | 1000 | 5000 | ug/L |
| SSTDICV040 | ICVBP091624 | Water | Dimethylphthalate | 33,300.000 | | 930 | 5000 | ug/L |
| SSTDICV040 | ICVBP091624 | Water | Fluoranthene | 39,500.000 | | 1300 | 5000 | ug/L |
| SSTDICV040 | ICVBP091624 | Water | Fluorene | 40,200.000 | | 960 | 5000 | ug/L |
| SSTDICV040 | ICVBP091624 | Water | Hexachlorobenzene | 39,400.000 | | 1100 | 5000 | ug/L |
| SSTDICV040 | ICVBP091624 | Water | Hexachlorobutadiene | 40,700.000 | | 1300 | 5000 | ug/L |
| SSTDICV040 | ICVBP091624 | Water | Hexachlorocyclopentadiene | 30,400.000 | | 5000 | 10000 | ug/L |
| SSTDICV040 | ICVBP091624 | Water | Hexachloroethane | 40,400.000 | | 1000 | 5000 | ug/L |
| SSTDICV040 | ICVBP091624 | Water | Indeno(1,2,3-cd)pyrene | 39,300.000 | | 1000 | 5000 | ug/L |
| SSTDICV040 | ICVBP091624 | Water | Isophorone | 42,600.000 | | 1100 | 5000 | ug/L |
| SSTDICV040 | ICVBP091624 | Water | n-Nitroso-di-n-propylamine | 37,900.000 | | 1500 | 2500 | ug/L |
| SSTDICV040 | ICVBP091624 | Water | n-Nitrosodimethylamine | 36,000.000 | | 1000 | 10000 | ug/L |
| SSTDICV040 | ICVBP091624 | Water | n-Nitrosodiphenylamine | 40,600.000 | | 890 | 5000 | ug/L |
| SSTDICV040 | ICVBP091624 | Water | Naphthalene | 39,200.000 | | 1000 | 5000 | ug/L |
| SSTDICV040 | ICVBP091624 | Water | Nitrobenzene | 41,000.000 | | 1300 | 5000 | ug/L |
| SSTDICV040 | ICVBP091624 | Water | Pentachlorophenol | 40,300.000 | | 1900 | 10000 | ug/L |
| SSTDICV040 | ICVBP091624 | Water | Phenanthrene | 39,700.000 | | 890 | 5000 | ug/L |

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

# Hit Summary Sheet
**SW-846**

**SDG No.:** BP091624

**Client:**

| Sample ID | Client ID | | Parameter | Concentration | C | MDL | RDL | Units |
|---|---|---|---|---|---|---|---|---|
| SSTDICV040 | ICVBP091624 | Water | Phenol | 38,900.000 | | 930 | 5000 | ug/L |
| SSTDICV040 | ICVBP091624 | Water | Pyrene | 40,900.000 | | 1100 | 5000 | ug/L |
| SSTDICV040 | ICVBP091624 | Water | Pyridine | 40,200.000 | | 1600 | 5000 | ug/L |
| SSTDICV040 | ICVBP091624 | Water | 2,4-Dinitrotoluene/2,6-Dinitrotolu | 77,000.000 | | 2700 | 10000 | ug/L |
| SSTDICV040 | ICVBP091624 | Water | Total PAH | 635,700.000 | | 17360 | 80000 | ug/L |
| | | | **Total Svoc :** | **3,812,900.00** | | | | |
| | | | **Total Concentration:** | **3,812,900.00** | | | | |

CHEMTECH

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BP091624 SAS No.: BP091624 SDG No.: BP091624

Instrument ID: Calibration Date(s): 9/16/2024

Calibration Time(s): 11:10

LAB FILE ID: RRF2.5 = BP021928.D RRF005 = BP021929.D RRF010 = BP021930.D
RRF020 = BP021931.D RRF040 = BP021932.D RRF050 = BP021933.D

| COMPOUND | RRF2.5 | RRF005 | RRF010 | RRF020 | RRF040 | RRF050 | RRF | % RSD |
|---|---|---|---|---|---|---|---|---|
| n-Nitrosodimethylamine | | 0.717 | 0.716 | 0.637 | 0.681 | 0.442 | 0.669 | 19.1 |
| Pyridine | | 1.148 | 1.168 | 1.171 | 1.248 | 0.849 | 1.117 | 13.8 |
| 2-Fluorophenol | | 1.061 | 1.041 | 1.040 | 1.058 | 1.043 | 1.108 | 14.6 |
| Benzaldehyde | | 0.768 | 0.834 | 0.841 | 0.771 | 0.626 | 0.724 | 15.3 |
| Aniline | | 1.203 | 1.199 | 1.221 | 1.246 | 1.259 | 1.227 | 2.7 |
| Phenol-d6 | | 1.363 | 1.344 | 1.362 | 1.390 | 1.190 | 1.358 | 6.0 |
| Phenol | | 1.378 | 1.333 | 1.369 | 1.385 | 1.178 | 1.352 | 6.0 |
| bis(2-Chloroethyl)ether | | 1.083 | 1.053 | 1.097 | 1.106 | 1.105 | 1.084 | 1.9 |
| 2-Chlorophenol | | 1.186 | 1.169 | 1.147 | 1.161 | 1.117 | 1.155 | 2.0 |
| 1,2-Dichlorobenzene | | 1.458 | 1.454 | 1.396 | 1.391 | 1.334 | 1.392 | 3.6 |
| 1,3-Dichlorobenzene | | 1.520 | 1.471 | 1.439 | 1.450 | 1.387 | 1.437 | 3.7 |
| 1,4-Dichlorobenzene | | 1.513 | 1.494 | 1.476 | 1.455 | 1.408 | 1.455 | 3.0 |
| Benzyl Alcohol | | 0.990 | 1.014 | 1.038 | 1.026 | 1.003 | 1.042 | 4.9 |
| 2-Methylphenol | | 0.919 | 0.915 | 0.939 | 0.962 | 0.934 | 0.944 | 2.5 |
| 2,2-oxybis(1-Chloropropane) | | 1.137 | 1.105 | 1.206 | 1.268 | 1.357 | 1.200 | 7.3 |
| Acetophenone | | 0.499 | 0.504 | 0.498 | 0.359 | 0.468 | 0.470 | 10.9 |
| 3+4-Methylphenols | | 1.225 | 1.277 | 1.321 | 1.357 | 1.326 | 1.324 | 4.3 |
| n-Nitroso-di-n-propylamine | 0.813 | 0.917 | 0.896 | 0.935 | 0.944 | 0.904 | 0.913 | 5.0 |
| Nitrobenzene-d5 | | 0.385 | 0.379 | 0.380 | 0.281 | 0.362 | 0.365 | 10.5 |
| Hexachloroethane | | 0.544 | 0.552 | 0.530 | 0.557 | 0.500 | 0.535 | 3.8 |
| Nitrobenzene | | 0.408 | 0.390 | 0.390 | 0.292 | 0.375 | 0.377 | 10.4 |
| Isophorone | | 0.602 | 0.610 | 0.638 | 0.486 | 0.441 | 0.583 | 14.6 |
| 2-Nitrophenol | | 0.137 | 0.144 | 0.155 | 0.122 | 0.139 | 0.149 | 12.7 |
| 2,4-Dimethylphenol | | 0.185 | 0.189 | 0.197 | 0.153 | 0.168 | 0.185 | 9.8 |
| bis(2-Chloroethoxy)methane | | 0.373 | 0.372 | 0.398 | 0.397 | 0.396 | 0.386 | 3.4 |
| 2,4-Dichlorophenol | | 0.292 | 0.303 | 0.321 | 0.321 | 0.320 | 0.316 | 4.4 |
| 1,2,4-Trichlorobenzene | | 0.412 | 0.388 | 0.385 | 0.384 | 0.377 | 0.385 | 3.7 |
| Benzoic acid | | 0.171 | 0.188 | 0.192 | 0.165 | 0.215 | 0.202 | 15.4 |
| Naphthalene | | 1.046 | 1.011 | 1.019 | 1.002 | 0.964 | 1.000 | 3.2 |
| 4-Chloroaniline | | 0.354 | 0.367 | 0.374 | 0.372 | 0.367 | 0.368 | 2.4 |
| Hexachlorobutadiene | | 0.296 | 0.283 | 0.266 | 0.253 | 0.243 | 0.266 | 7.1 |
| Caprolactam | | 0.083 | 0.090 | 0.095 | 0.101 | 0.101 | 0.096 | 7.5 |
| 4-Chloro-3-methylphenol | | 0.320 | 0.339 | 0.352 | 0.338 | 0.336 | 0.343 | 4.3 |
| 2-Methylnaphthalene | | 0.751 | 0.742 | 0.739 | 0.718 | 0.703 | 0.727 | 2.9 |
| Hexachlorocyclopentadiene | | 0.205 | 0.211 | 0.206 | 0.199 | 0.203 | 0.209 | 4.5 |
| 2,4,6-Trichlorophenol | | 0.363 | 0.350 | 0.375 | 0.390 | 0.394 | 0.384 | 5.7 |

All other compounds must meet a minimum RRF of 0.010.

CHEMTECH

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BP091624 SAS No.: BP091624 SDG No.: BP091624

Instrument ID: Calibration Date(s): 9/16/2024

Calibration Time(s): 11:10

LAB FILE ID: RRF2.5 = BP021928.D RRF005 = BP021929.D RRF010 = BP021930.D
RRF020 = BP021931.D RRF040 = BP021932.D RRF050 = BP021933.D

| COMPOUND | RRF2.5 | RRF005 | RRF010 | RRF020 | RRF040 | RRF050 | RRF | % RSD |
|---|---|---|---|---|---|---|---|---|
| 2-Fluorobiphenyl | | 1.429 | 1.313 | 1.323 | 1.268 | 1.248 | 1.312 | 4.7 |
| 2,4,5-Trichlorophenol | | 0.432 | 0.416 | 0.433 | 0.439 | 0.449 | 0.440 | 3.5 |
| 1,1-Biphenyl | | 1.469 | 1.353 | 1.386 | 1.339 | 1.332 | 1.363 | 3.9 |
| 2-Chloronaphthalene | | 1.159 | 1.090 | 1.091 | 1.081 | 1.071 | 1.094 | 2.9 |
| 2-Nitroaniline | | 0.253 | 0.276 | 0.301 | 0.309 | 0.305 | 0.301 | 9.3 |
| Dimethylphthalate | | 1.539 | 1.448 | 1.451 | 1.392 | 1.381 | 1.432 | 4.0 |
| Acenaphthylene | | 1.574 | 1.538 | 1.593 | 1.566 | 1.537 | 1.567 | 1.8 |
| 2,6-Dinitrotoluene | | 0.299 | 0.302 | 0.318 | 0.319 | 0.321 | 0.315 | 3.5 |
| 3-Nitroaniline | | 0.257 | 0.268 | 0.283 | 0.302 | 0.303 | 0.289 | 7.0 |
| Acenaphthene | | 1.054 | 1.028 | 1.031 | 1.002 | 0.993 | 1.021 | 2.9 |
| 2,4-Dinitrophenol | | 0.129 | 0.146 | 0.157 | 0.164 | 0.170 | 0.164 | 13.7 |
| 4-Nitrophenol | | 0.213 | 0.230 | 0.258 | 0.268 | 0.265 | 0.252 | 8.6 |
| Dibenzofuran | | 1.818 | 1.739 | 1.735 | 1.674 | 1.135 | 1.631 | 13.9 |
| 2,4-Dinitrotoluene | | 0.414 | 0.426 | 0.452 | 0.444 | 0.327 | 0.426 | 11.1 |
| Diethylphthalate | | 1.587 | 1.554 | 1.503 | 1.393 | 0.978 | 1.414 | 14.5 |
| 4-Chlorophenyl-phenylether | | 0.820 | 0.803 | 0.747 | 0.725 | 0.472 | 0.716 | 16.1 |
| Fluorene | | 1.495 | 1.470 | 1.421 | 1.365 | 0.883 | 1.335 | 15.6 |
| 4-Nitroaniline | | 0.295 | 0.320 | 0.320 | 0.322 | 0.218 | 0.305 | 13.2 |
| 4,6-Dinitro-2-methylphenol | | 0.095 | 0.097 | 0.102 | 0.106 | 0.103 | 0.106 | 9.1 |
| n-Nitrosodiphenylamine | | 0.523 | 0.525 | 0.533 | 0.506 | 0.469 | 0.512 | 4.2 |
| Azobenzene | | 1.294 | 1.350 | 1.328 | 1.273 | 0.855 | 1.234 | 13.9 |
| 2,4,6-Tribromophenol | | 0.279 | 0.287 | 0.269 | 0.254 | 0.191 | 0.263 | 12.8 |
| 4-Bromophenyl-phenylether | | 0.204 | 0.207 | 0.209 | 0.199 | 0.198 | 0.204 | 2.2 |
| Hexachlorobenzene | | 0.252 | 0.247 | 0.243 | 0.232 | 0.236 | 0.243 | 2.8 |
| Atrazine | | 0.199 | 0.200 | 0.198 | 0.185 | 0.182 | 0.187 | 6.4 |
| Pentachlorophenol | | 0.149 | 0.152 | 0.164 | 0.160 | 0.169 | 0.163 | 6.4 |
| Phenanthrene | | 1.046 | 0.984 | 1.004 | 0.974 | 0.944 | 0.983 | 3.5 |
| Anthracene | | 0.958 | 0.952 | 0.974 | 0.941 | 0.924 | 0.944 | 2.2 |
| Carbazole | | 0.959 | 0.939 | 0.984 | 0.939 | 0.926 | 0.936 | 3.3 |
| Di-n-butylphthalate | | 1.052 | 1.070 | 1.119 | 1.073 | 1.140 | 1.092 | 3.0 |
| Fluoranthene | | 1.318 | 1.291 | 1.322 | 1.290 | 1.289 | 1.283 | 2.8 |
| Benzidine | | 0.292 | 0.378 | 0.255 | 0.228 | 0.302 | 0.291 | 19.6 |
| Pyrene | | 1.207 | 1.267 | 1.258 | 1.312 | 1.266 | 1.278 | 3.2 |
| Terphenyl-d14 | | 1.005 | 1.059 | 0.986 | 0.983 | 0.983 | 1.013 | 3.1 |
| Butylbenzylphthalate | | 0.421 | 0.454 | 0.480 | 0.482 | 0.506 | 0.483 | 7.6 |
| 3,3-Dichlorobenzidine | | 0.406 | 0.416 | 0.442 | 0.441 | 0.447 | 0.429 | 3.9 |

All other compounds must meet a minimum RRF of 0.010.

CHEMTECH

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BP091624 SAS No.: BP091624 SDG No.: BP091624

Instrument ID: Calibration Date(s): 9/16/2024

Calibration Time(s): 11:10

LAB FILE ID: RRF2.5 = BP021928.D RRF005 = BP021929.D RRF010 = BP021930.D
RRF020 = BP021931.D RRF040 = BP021932.D RRF050 = BP021933.D

| COMPOUND | RRF2.5 | RRF005 | RRF010 | RRF020 | RRF040 | RRF050 | RRF | % RSD |
|---|---|---|---|---|---|---|---|---|
| Benzo(a)anthracene | | 1.291 | 1.293 | 1.315 | 1.276 | 1.266 | 1.288 | 1.3 |
| Chrysene | | 1.292 | 1.231 | 1.247 | 1.221 | 1.195 | 1.232 | 2.6 |
| Bis(2-ethylhexyl)phthalate | | 0.622 | 0.672 | 0.719 | 0.711 | 0.744 | 0.705 | 6.2 |
| Di-n-octyl phthalate | | 0.973 | 1.027 | 1.169 | 1.172 | 1.277 | 1.163 | 10.4 |
| Benzo(b)fluoranthene | | 1.138 | 1.126 | 0.935 | 1.179 | 1.201 | 1.143 | 8.6 |
| Benzo(k)fluoranthene | | 1.138 | 1.105 | 0.865 | 1.138 | 1.119 | 1.085 | 9.1 |
| Benzo(a)pyrene | | 0.988 | 0.973 | 1.020 | 1.017 | 1.032 | 1.016 | 2.6 |
| Indeno(1,2,3-cd)pyrene | | 1.348 | 1.290 | 1.265 | 1.258 | 1.236 | 1.284 | 2.8 |
| Dibenzo(a,h)anthracene | | 1.130 | 1.081 | 1.060 | 1.031 | 1.017 | 1.063 | 3.5 |
| Benzo(g,h,i)perylene | | 1.135 | 1.121 | 1.090 | 1.090 | 1.077 | 1.106 | 2.0 |
| 1,2,4,5-Tetrachlorobenzene | | 0.631 | 0.578 | 0.600 | 0.590 | 0.586 | 0.600 | 3.1 |
| 1,4-Dioxane | | 0.477 | 0.450 | 0.429 | 0.615 | 0.431 | 0.481 | 16.2 |
| 2,3,4,6-Tetrachlorophenol | | 0.395 | 0.388 | 0.390 | 0.391 | 0.259 | 0.375 | 13.7 |
| 1-Methylnaphthalene | | 0.744 | 0.737 | 0.731 | 0.715 | 0.701 | 0.721 | 2.7 |

All other compounds must meet a minimum RRF of 0.010.

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

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BP091624 SAS No.: BP091624 SDG NO.: BP091624

EPA Sample No.: SSTDICCC040 Date Analyzed: Sep 16 2024 12:00AM

Lab File ID: BP021932.D Time Analyzed: 16:35

Instrument ID: BNA_P GC Column: ZB-GR ID: 0.25 (mm)

| | | IS1 (DCB) AREA # | RT # | IS2 (NPT) AREA # | RT # | IS3 (ANT) AREA # | RT # |
|---|---|---|---|---|---|---|---|
| | 12 HOUR STD | 118788 | 7.746 | 626099 | 10.51 | 463586 | 14.35 |
| | UPPER LIMIT | 237576 | 8.246 | 1252198 | 11.01 | 927172 | 14.851 |
| | LOWER LIMIT | 59394 | 7.246 | 313049.5 | 10.01 | 231793 | 13.851 |
| | EPA SAMPLE NO. | | | | | | |
| 01 | ICVBP091624 | 120317 | 7.75 | 444569 | 10.51 | 465447 | 14.36 |
| 02 | PB163076BL | 247840 * | 7.70 | 640886 | 10.48 | 612448 | 14.35 |

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

# Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BP091624 SAS No.: BP091624 SDG NO.: BP091624

EPA Sample No.: SSTDICCC040 Date Analyzed: Sep 16 2024 12:00AM

Lab File ID: BP021932.D Time Analyzed: 16:35

Instrument ID: BNA_P GC Column: ZB-GR ID: 0.25 (mm)

| | | IS1 (DCB) AREA # | RT # | IS2 (NPT) AREA # | RT # | IS3 (ANT) AREA # | RT # |
|---|---|---|---|---|---|---|---|
| | 12 HOUR STD | 118788 | 7.746 | 626099 | 10.51 | 463586 | 14.35 |
| | UPPER LIMIT | 237576 | 8.246 | 1252198 | 11.01 | 927172 | 14.851 |
| | LOWER LIMIT | 59394 | 7.246 | 313049.5 | 10.01 | 231793 | 13.851 |
| | EPA SAMPLE NO. | | | | | | |
| 01 | ICVBP091624 | 120317 | 7.75 | 444569 | 10.51 | 465447 | 14.36 |
| 02 | PB163076BL | 247840 * | 7.70 | 640886 | 10.48 | 612448 | 14.35 |

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

# Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BP091624 SAS No.: BP091624 SDG NO.: BP091624

EPA Sample No.: SSTDICCC040 Date Analyzed: Sep 16 2024 12:00AM

Lab File ID: BP021932.D Time Analyzed: 16:35

Instrument ID: BNA_P GC Column: ZB-GR ID: 0.25 (mm)

| | | IS4 (PHN) AREA # | RT # | IS5 (CRY) AREA # | RT # | IS6 (PRY) AREA # | RT # |
|---|---|---|---|---|---|---|---|
| | 12 HOUR STD | 1.07216e+0( | 17.13$ | 1.11829e+ | 21.57$ | 1.2651e+00( | 24.868 |
| | UPPER LIMIT | 2144320 | 17.63$ | 2236580 | 22.07$ | 2530200 | 25.368 |
| | LOWER LIMIT | 536080 | 16.63$ | 559145 | 21.07$ | 632550 | 24.368 |
| | EPA SAMPLE NO. | | | | | | |
| 01 | ICVBP091624 | 1.02561 | 17.15 | 1.04969e+ | 21.59 | 1.18952e+ | 24.89 |
| 02 | PB163076BL | 1.3436e | 17.13 | 1.39249e+ | 21.59 | 1.50131e+ | 24.90 |

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

# Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BP091624 SAS No.: BP091624 SDG NO.: BP091624

EPA Sample No.: SSTDICCC040 Date Analyzed: Sep 16 2024 12:00AM

Lab File ID: BP021932.D Time Analyzed: 16:35

Instrument ID: BNA_P GC Column: ZB-GR ID: 0.25 (mm)

| | | IS4 (PHN) AREA # | RT # | IS5 (CRY) AREA # | RT # | IS6 (PRY) AREA # | RT # |
|---|---|---|---|---|---|---|---|
| | 12 HOUR STD | 1.07216e+0( | 17.13$ | 1.11829e+ | 21.57$ | 1.2651e+00( | 24.868 |
| | UPPER LIMIT | 2144320 | 17.63$ | 2236580 | 22.07$ | 2530200 | 25.368 |
| | LOWER LIMIT | 536080 | 16.63$ | 559145 | 21.07$ | 632550 | 24.368 |
| | EPA SAMPLE NO. | | | | | | |
| 01 | ICVBP091624 | 1.02561 | 17.15 | 1.04969e+ | 21.59 | 1.18952e+ | 24.89 |
| 02 | PB163076BL | 1.3436e | 17.13 | 1.39249e+ | 21.59 | 1.50131e+ | 24.90 |

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

# Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

ICVBP091624

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BP091624 SAS No.: BP091624 SDG NO.: BP091624

Lab File ID: BP021936.D Lab Sample ID: SSTDICV040

Instrument ID: BNA_P Date Extracted:

Matrix: (soil/water) Water Date Analyzed: 09/16/2024

Level: (low/med) LOW Time Analyzed: 16:35

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

| EPA SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED |
|---|---|---|---|
| ICVBP091624 | SSTDICV040 | BP021936.D | 09/16/2024 |

COMMENTS:

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

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB163076BL

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BP091624 SAS No.: BP091624 SDG NO.: BP091624

Lab File ID: BP021937.D Lab Sample ID: PB163076BL

Instrument ID: BNA_P Date Extracted: 08/30/2024

Matrix: (soil/water) Solid Date Analyzed: 09/16/2024

Level: (low/med) LOW Time Analyzed: 17:35

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

| EPA SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED |
|---|---|---|---|

COMMENTS:

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

# Surrogate Summary

**SW-846**

**SDG No.:** BP091624

**Client:**

**Analytical Method:** 8270E

| Lab Sample ID | Client ID | Datafile | Parameter | Spike (PPM) | Result (PPM) | Recovery (%) | Qual | Limits (%) Low | Limits (%) High |
|---|---|---|---|---|---|---|---|---|---|
| SSTDICV040 | ICVBP091624 | BP021936.D | 2-Fluorophenol | 150 | 75,094.00 | 50063 | * | 10 | 139 |
| | | | Phenol-d6 | 150 | 78,812.00 | 52541 | * | 10 | 134 |
| | | | Nitrobenzene-d5 | 100 | 82,446.00 | 82446 | * | 49 | 133 |
| | | | 2-Fluorobiphenyl | 100 | 60,600.00 | 60600 | * | 52 | 132 |
| | | | 2,4,6-Tribromophenol | 150 | 76,181.00 | 50787 | * | 44 | 137 |
| | | | Terphenyl-d14 | 100 | 78,206.00 | 78206 | * | 48 | 125 |

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

# Surrogate Summary

**SW-846**

**SDG No.:** BP091624

**Client:**

**Analytical Method:** 8270E

| Lab Sample ID | Client ID | Datafile | Parameter | Spike (PPM) | Result (PPM) | Recovery (%) | Qual | Limits (%) Low | Limits (%) High |
|---|---|---|---|---|---|---|---|---|---|
| PB163076BL | PB163076BL | BP021937.D | 2-Fluorophenol | 150 | 130.16 | 87 | | 18 | 112 |
| | | | Phenol-d6 | 150 | 112.89 | 75 | | 15 | 107 |
| | | | Nitrobenzene-d5 | 100 | 122.96 | 123 | * | 18 | 107 |
| | | | 2-Fluorobiphenyl | 100 | 83.64 | 84 | | 20 | 109 |
| | | | 2,4,6-Tribromophenol | 150 | 116.01 | 77 | | 10 | 116 |
| | | | Terphenyl-d14 | 100 | 84.05 | 84 | | 10 | 105 |

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

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: BP091624

Lab Code: CHEM SAS No.: BP091624 SDG NO.: BP091624

Lab File ID: BP021927.D DFTPP Injection Date: 09/16/2024

Instrument ID: BNA_P DFTPP Injection Time: 10:30

| m/e | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|---|---|---|
| 51 | 10.0 - 80.0% of mass 198 | 34.8 |
| 68 | Less than 2.0% of mass 69 | 0.7 ( 1.8 ) 1 |
| 69 | Mass 69 relative abundance | 37.3 |
| 70 | Less than 2.0% of mass 69 | 0.2 ( 0.5 ) 1 |
| 127 | 10.0 - 80.0% of mass 198 | 43.4 |
| 197 | Less than 2.0% of mass 198 | 0.7 |
| 198 | Base Peak, 100% relative abundance | 100 |
| 199 | 5.0 to 9.0% of mass 198 | 6.8 |
| 275 | 10.0 - 60.0% of mass 198 | 30.1 |
| 365 | Greater than 1% of mass 198 | 6 |
| 441 | Present, but less than mass 443 | 12.9 |
| 442 | Greater than 50% of mass 198 | 83.5 |
| 443 | 15.0 - 24.0% of mass 442 | 15.9 (19.1) 2 |

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

| EPA SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|---|---|---|---|---|
| SSTDICC2.5 | SSTDICC2.5 | BP021928.D | 09/16/2024 | 11:10 |
| SSTDICC005 | SSTDICC005 | BP021929.D | 09/16/2024 | 11:51 |
| SSTDICC010 | SSTDICC010 | BP021930.D | 09/16/2024 | 12:32 |
| SSTDICC020 | SSTDICC020 | BP021931.D | 09/16/2024 | 13:12 |
| SSTDICCC040 | SSTDICCC040 | BP021932.D | 09/16/2024 | 13:53 |
| SSTDICC050 | SSTDICC050 | BP021933.D | 09/16/2024 | 14:33 |
| SSTDICC060 | SSTDICC060 | BP021934.D | 09/16/2024 | 15:14 |
| SSTDICC080 | SSTDICC080 | BP021935.D | 09/16/2024 | 15:55 |
| ICVBP091624 | SSTDICV040 | BP021936.D | 09/16/2024 | 16:35 |
| PB163076BL | PB163076BL | BP021937.D | 09/16/2024 | 17:35 |