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.: BP091024 SAS No.: BP091024 SDG No.: BP091024

Instrument ID: BNA_P Calibration Date/Time: 9/10/2024 12 13:40

Lab File ID: BP021874.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 | 0.687 | 0.767 | | 11.645 | |
| Pyridine | 1.818 | 2.194 | | 20.682 | |
| 2-Fluorophenol | 1.385 | 1.801 | | 30.036 | |
| Benzaldehyde | 0.991 | 0.990 | | -0.101 | |
| Aniline | 1.641 | 1.644 | | 0.183 | |
| Phenol-d6 | 1.874 | 1.864 | | -0.534 | |
| Phenol | 1.904 | 1.854 | | -2.626 | 20.0 |
| bis(2-Chloroethyl)ether | 1.465 | 1.434 | | -2.116 | |
| 2-Chlorophenol | 1.274 | 1.292 | | 1.413 | |
| 1,2-Dichlorobenzene | 1.495 | 1.838 | | 22.943 | |
| 1,3-Dichlorobenzene | 1.477 | 1.472 | | -0.339 | |
| 1,4-Dichlorobenzene | 1.497 | 1.511 | | 0.935 | 20.0 |
| Benzyl Alcohol | 1.392 | 1.636 | | 17.529 | |
| 2-Methylphenol | 1.346 | 1.701 | | 26.374 | |
| 2,2-oxybis(1-Chloropropane) | 1.508 | 1.910 | | 26.658 | |
| Acetophenone | 0.617 | 0.613 | | -0.648 | |
| 3+4-Methylphenols | 1.854 | 2.378 | | 28.263 | |
| n-Nitroso-di-n-propylamine | 1.173 | 1.517 | 0.050 | 29.327 | |
| Nitrobenzene-d5 | 0.441 | 0.463 | | 4.989 | |
| Hexachloroethane | 0.624 | 0.795 | | 27.404 | |
| Nitrobenzene | 0.438 | 0.470 | | 7.306 | |
| Isophorone | 0.766 | 0.817 | | 6.658 | |
| 2-Nitrophenol | 0.152 | 0.162 | | 6.579 | 20.0 |
| 2,4-Dimethylphenol | 0.218 | 0.229 | | 5.046 | |
| bis(2-Chloroethoxy)methane | 0.498 | 0.526 | | 5.622 | |
| 2,4-Dichlorophenol | 0.284 | 0.301 | | 5.986 | 20.0 |
| 1,2,4-Trichlorobenzene | 0.327 | 0.333 | | 1.835 | |
| Benzoic acid | 0.241 | 0.252 | | 4.564 | |
| Naphthalene | 1.048 | 1.060 | | 1.145 | |
| 4-Chloroaniline | 0.384 | 0.409 | | 6.51 | |
| Hexachlorobutadiene | 0.203 | 0.204 | | 0.493 | 20.0 |
| Caprolactam | 0.118 | 0.126 | | 6.78 | |
| 4-Chloro-3-methylphenol | 0.410 | 0.428 | | 4.39 | 20.0 |
| 2-Methylnaphthalene | 0.701 | 0.716 | | 2.14 | |
| Hexachlorocyclopentadiene | 0.167 | 0.191 | 0.050 | 14.371 | |
| 2,4,6-Trichlorophenol | 0.332 | 0.366 | | 10.241 | 20.0 |
| 2-Fluorobiphenyl | 1.216 | 1.291 | | 6.168 | |
| 2,4,5-Trichlorophenol | 0.386 | 0.424 | | 9.845 | |
| 1,1-Biphenyl | 1.395 | 1.434 | | 2.796 | |

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BP091024 SAS No.: BP091024 SDG No.: BP091024

Instrument ID: BNA_P Calibration Date/Time: 9/10/2024 12 13:40

Lab File ID: BP021874.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 | 1.084 | 1.109 | | 2.306 | |
| 2-Nitroaniline | 0.378 | 0.406 | | 7.407 | |
| Dimethylphthalate | 1.377 | 1.401 | | 1.743 | |
| Acenaphthylene | 1.605 | 1.674 | | 4.299 | |
| 2,6-Dinitrotoluene | 0.305 | 0.323 | | 5.902 | |
| 3-Nitroaniline | 0.313 | 0.343 | | 9.585 | |
| Acenaphthene | 1.037 | 1.076 | | 3.761 | 20.0 |
| 2,4-Dinitrophenol | 0.145 | 0.158 | 0.050 | 8.966 | |
| 4-Nitrophenol | 0.271 | 0.301 | 0.050 | 11.07 | |
| Dibenzofuran | 1.632 | 1.706 | | 4.534 | |
| 2,4-Dinitrotoluene | 0.420 | 0.455 | | 8.333 | |
| Diethylphthalate | 1.429 | 1.404 | | -1.749 | |
| 4-Chlorophenyl-phenylether | 0.652 | 0.675 | | 3.528 | |
| Fluorene | 1.345 | 1.386 | | 3.048 | |
| 4-Nitroaniline | 0.342 | 0.367 | | 7.31 | |
| 4,6-Dinitro-2-methylphenol | 0.094 | 0.105 | | 11.702 | |
| n-Nitrosodiphenylamine | 0.512 | 0.548 | | 7.031 | 20.0 |
| Azobenzene | 1.608 | 1.692 | | 5.224 | |
| 2,4,6-Tribromophenol | 0.222 | 0.237 | | 6.757 | |
| 4-Bromophenyl-phenylether | 0.189 | 0.192 | | 1.587 | |
| Hexachlorobenzene | 0.225 | 0.227 | | 0.889 | |
| Atrazine | 0.150 | 0.134 | | -10.667 | |
| Pentachlorophenol | 0.144 | 0.157 | | 9.028 | 20.0 |
| Phenanthrene | 0.989 | 1.009 | | 2.022 | |
| Anthracene | 0.963 | 0.999 | | 3.738 | |
| Carbazole | 0.988 | 1.022 | | 3.441 | |
| Di-n-butylphthalate | 1.093 | 1.169 | | 6.953 | |
| Fluoranthene | 1.197 | 1.288 | | 7.602 | 20.0 |
| Benzidine | 0.276 | 0.421 | | 52.536 | |
| Pyrene | 1.262 | 1.094 | | -13.312 | |
| Terphenyl-d14 | 0.936 | 0.780 | | -16.667 | |
| Butylbenzylphthalate | 0.519 | 0.563 | | 8.478 | |
| 3,3-Dichlorobenzidine | 0.401 | 0.443 | | 10.474 | |
| Benzo(a)anthracene | 1.269 | 1.314 | | 3.546 | |
| Chrysene | 1.222 | 1.252 | | 2.455 | |
| Bis(2-ethylhexyl)phthalate | 0.744 | 0.796 | | 6.989 | |
| Di-n-octyl phthalate | 1.224 | 1.328 | | 8.497 | 20.0 |
| Benzo(b)fluoranthene | 1.152 | 1.199 | | 4.08 | |
| Benzo(k)fluoranthene | 1.117 | 1.157 | | 3.581 | |

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BP091024 SAS No.: BP091024 SDG No.: BP091024

Instrument ID: BNA_P Calibration Date/Time: 9/10/2024 12 13:40

Lab File ID: BP021874.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 | 0.998 | 1.062 | | 6.413 | 20.0 |
| Indeno(1,2,3-cd)pyrene | 1.258 | 1.295 | | 2.941 | |
| Dibenzo(a,h)anthracene | 1.040 | 1.070 | | 2.885 | |
| Benzo(g,h,i)perylene | 1.090 | 1.125 | | 3.211 | |
| 1,2,4,5-Tetrachlorobenzene | 0.516 | 0.552 | | 6.977 | |
| 1,4-Dioxane | 0.704 | 0.795 | | 12.926 | 20.0 |
| 2,3,4,6-Tetrachlorophenol | 0.339 | 0.357 | | 5.31 | |
| 1-Methylnaphthalene | 0.700 | 0.704 | | 0.571 | |

All other compounds must meet a minimum RRF of 0.010.

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# Report of Analysis

| | | | | | |
|---|---|---|---|---|---|
| Client: | | | | Date Collected: | |
| Project: | | | | Date Received: | |
| Client Sample ID: | ICVBP091024 | | | SDG No.: | BP091024 |
| 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 |
|---|---|---|---|---|
| BP021878.D | 1 | | 9/10/2024 12:00:00 AM | |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 62-75-9 | n-Nitrosodimethylamine | 42700 | | 1000 | 8000 | 10000 | ug/L |
| 110-86-1 | Pyridine | 41300 | | 1600 | 4000 | 5000 | ug/L |
| 100-52-7 | Benzaldehyde | 45800 | | 4000 | 8000 | 10000 | ug/L |
| 62-53-3 | Aniline | 37900 | | 1600 | 4000 | 5000 | ug/L |
| 108-95-2 | Phenol | 37100 | | 930 | 4000 | 5000 | ug/L |
| 111-44-4 | bis(2-Chloroethyl)ether | 36200 | | 1200 | 4000 | 5000 | ug/L |
| 95-57-8 | 2-Chlorophenol | 37400 | | 710 | 4000 | 5000 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | 34200 | | 880 | 4000 | 5000 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | 35300 | | 800 | 4000 | 5000 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 35300 | | 840 | 4000 | 5000 | ug/L |
| 100-51-6 | Benzyl Alcohol | 34900 | | 1600 | 8000 | 10000 | ug/L |
| 95-48-7 | 2-Methylphenol | 34700 | | 1100 | 4000 | 5000 | ug/L |
| 108-60-1 | 2,2-oxybis(1-Chloropropane) | 32600 | | 1400 | 4000 | 5000 | ug/L |
| 98-86-2 | Acetophenone | 33800 | | 1100 | 4000 | 5000 | ug/L |
| 65794-96-9 | 3+4-Methylphenols | 36100 | | 1200 | 8000 | 10000 | ug/L |
| 621-64-7 | n-Nitroso-di-n-propylamine | 34200 | | 1500 | 2500 | 2500 | ug/L |
| 67-72-1 | Hexachloroethane | 36200 | | 1000 | 4000 | 5000 | ug/L |
| 98-95-3 | Nitrobenzene | 34700 | | 1300 | 4000 | 5000 | ug/L |
| 78-59-1 | Isophorone | 35100 | | 1100 | 4000 | 5000 | ug/L |
| 88-75-5 | 2-Nitrophenol | 36900 | | 2000 | 4000 | 5000 | ug/L |
| 105-67-9 | 2,4-Dimethylphenol | 37000 | | 1500 | 4000 | 5000 | ug/L |
| 111-91-1 | bis(2-Chloroethoxy)methane | 34500 | | 1000 | 4000 | 5000 | ug/L |
| 120-83-2 | 2,4-Dichlorophenol | 37300 | | 880 | 4000 | 5000 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | 35600 | | 1100 | 4000 | 5000 | ug/L |
| 65-85-0 | Benzoic acid | 37500 | | 5500 | 8000 | 10000 | ug/L |
| 91-20-3 | Naphthalene | 35500 | | 1000 | 4000 | 5000 | ug/L |
| 106-47-8 | 4-Chloroaniline | 38100 | | 1300 | 4000 | 5000 | ug/L |
| 87-68-3 | Hexachlorobutadiene | 36600 | | 1300 | 4000 | 5000 | ug/L |

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# Report of Analysis

| | | | | | |
|---|---|---|---|---|---|
| Client: | | | Date Collected: | | |
| Project: | | | Date Received: | | |
| Client Sample ID: | ICVBP091024 | | SDG No.: | BP091024 | |
| 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 |
|---|---|---|---|---|
| BP021878.D | 1 | | 9/10/2024 12:00:00 AM | |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| 105-60-2 | Caprolactam | 38500 | | 1700 | 8000 | 10000 | ug/L |
| 59-50-7 | 4-Chloro-3-methylphenol | 38100 | | 840 | 4000 | 5000 | ug/L |
| 91-57-6 | 2-Methylnaphthalene | 36900 | | 1100 | 4000 | 5000 | ug/L |
| 77-47-4 | Hexachlorocyclopentadiene | 36600 | | 5000 | 8000 | 10000 | ug/L |
| 88-06-2 | 2,4,6-Trichlorophenol | 37700 | | 890 | 4000 | 5000 | ug/L |
| 95-95-4 | 2,4,5-Trichlorophenol | 36500 | | 1000 | 4000 | 5000 | ug/L |
| 92-52-4 | 1,1-Biphenyl | 34800 | | 910 | 4000 | 5000 | ug/L |
| 91-58-7 | 2-Chloronaphthalene | 34600 | | 970 | 4000 | 5000 | ug/L |
| 88-74-4 | 2-Nitroaniline | 35600 | | 1400 | 4000 | 5000 | ug/L |
| 131-11-3 | Dimethylphthalate | 36500 | | 930 | 4000 | 5000 | ug/L |
| 208-96-8 | Acenaphthylene | 35700 | | 1000 | 4000 | 5000 | ug/L |
| 606-20-2 | 2,6-Dinitrotoluene | 37900 | | 1200 | 4000 | 5000 | ug/L |
| 99-09-2 | 3-Nitroaniline | 37700 | | 1400 | 4000 | 5000 | ug/L |
| 83-32-9 | Acenaphthene | 35700 | | 810 | 4000 | 5000 | ug/L |
| Total PAH | Total PAH | 583900 | | 17360 | 4000 | 80000 | ug/L |
| 51-28-5 | 2,4-Dinitrophenol | 39200 | | 6400 | 8000 | 10000 | ug/L |
| 100-02-7 | 4-Nitrophenol | 39100 | | 2000 | 8000 | 10000 | ug/L |
| 132-64-9 | Dibenzofuran | 36500 | | 930 | 4000 | 5000 | ug/L |
| 121-14-2 | 2,4-Dinitrotoluene | 39100 | | 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 | 46400 | | 1000 | 4000 | 5000 | ug/L |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 46000 | | 980 | 4000 | 5000 | ug/L |
| 86-73-7 | Fluorene | 46100 | | 960 | 4000 | 5000 | ug/L |
| 100-01-6 | 4-Nitroaniline | 48400 | | 2000 | 4000 | 5000 | ug/L |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 35900 | | 3100 | 8000 | 10000 | ug/L |
| 86-30-6 | n-Nitrosodiphenylamine | 37300 | | 890 | 4000 | 5000 | ug/L |
| 103-33-3 | Azobenzene | 45900 | | 1200 | 4000 | 5000 | ug/L |
| 101-55-3 | 4-Bromophenyl-phenylether | 35800 | | 950 | 4000 | 5000 | ug/L |
| 118-74-1 | Hexachlorobenzene | 35400 | | 1100 | 4000 | 5000 | ug/L |
| 1912-24-9 | Atrazine | 31200 | | 1300 | 4000 | 5000 | ug/L |

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# Report of Analysis

| | | | | | |
|---|---|---|---|---|---|
| Client: | | | | Date Collected: | |
| Project: | | | | Date Received: | |
| Client Sample ID: | ICVBP091024 | | | SDG No.: | BP091024 |
| 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 |
|---|---|---|---|---|
| BP021878.D | 1 | | 9/10/2024 12:00:00 AM | |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| 87-86-5 | Pentachlorophenol | 37000 | | 1900 | 8000 | 10000 | ug/L |
| 85-01-8 | Phenanthrene | 35800 | | 890 | 4000 | 5000 | ug/L |
| 120-12-7 | Anthracene | 35500 | | 1100 | 4000 | 5000 | ug/L |
| 86-74-8 | Carbazole | 35600 | | 1200 | 4000 | 5000 | ug/L |
| 84-74-2 | Di-n-butylphthalate | 36700 | | 1500 | 4000 | 5000 | ug/L |
| 206-44-0 | Fluoranthene | 37000 | | 1300 | 4000 | 5000 | ug/L |
| 92-87-5 | Benzidine | 56400 | | 4100 | 8000 | 10000 | ug/L |
| 129-00-0 | Pyrene | 37500 | | 1100 | 4000 | 5000 | ug/L |
| 85-68-7 | Butylbenzylphthalate | 37200 | | 2100 | 4000 | 5000 | ug/L |
| 91-94-1 | 3,3-Dichlorobenzidine | 37900 | | 1300 | 8000 | 10000 | ug/L |
| 56-55-3 | Benzo(a)anthracene | 36600 | | 940 | 4000 | 5000 | ug/L |
| 218-01-9 | Chrysene | 35300 | | 860 | 4000 | 5000 | ug/L |
| 117-81-7 | Bis(2-ethylhexyl)phthalate | 37400 | | 1900 | 4000 | 5000 | ug/L |
| 117-84-0 | Di-n-octyl phthalate | 36800 | | 2500 | 8000 | 10000 | ug/L |
| 205-99-2 | Benzo(b)fluoranthene | 36200 | | 1100 | 4000 | 5000 | ug/L |
| 207-08-9 | Benzo(k)fluoranthene | 35800 | | 1200 | 4000 | 5000 | ug/L |
| 50-32-8 | Benzo(a)pyrene | 36200 | | 1700 | 4000 | 5000 | ug/L |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 35000 | | 1000 | 4000 | 5000 | ug/L |
| 53-70-3 | Dibenzo(a,h)anthracene | 35000 | | 1200 | 4000 | 5000 | ug/L |
| 191-24-2 | Benzo(g,h,i)perylene | 35000 | | 1200 | 4000 | 5000 | ug/L |
| 95-94-3 | 1,2,4,5-Tetrachlorobenzene | 35500 | | 1100 | 4000 | 5000 | ug/L |
| 123-91-1 | 1,4-Dioxane | 43600 | | 1300 | 4000 | 5000 | ug/L |
| 58-90-2 | 2,3,4,6-Tetrachlorophenol | 38000 | | 790 | 4000 | 5000 | ug/L |
| 90-12-0 | 1-Methylnaphthalene | 36800 | | 860 | 4000 | 5000 | ug/L |
| **SURROGATES** | | | | | | | |
| 367-12-4 | 2-Fluorophenol | 100006 | * | 10-139 | | 66671 | SPK: -150 |
| 13127-88-3 | Phenol-d6 | 85384 | * | 10-134 | | 56923 | SPK: -150 |
| 4165-60-0 | Nitrobenzene-d5 | 69126 | * | 49-133 | | 69126 | SPK: -100 |
| 321-60-8 | 2-Fluorobiphenyl | 72019 | * | 52-132 | | 72019 | SPK: -100 |

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# Report of Analysis

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Client: | | | | Date Collected: | | | |
| Project: | | | | Date Received: | | | |
| Client Sample ID: | ICVBP091024 | | | SDG No.: | BP091024 | | |
| 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 |
|---|---|---|---|---|
| BP021878.D | 1 | | 9/10/2024 12:00:00 AM | |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| 118-79-6 | 2,4,6-Tribromophenol | 95717 | * | 44-137 | | 63811 | SPK: -150 |
| 1718-51-0 | Terphenyl-d14 | 75895 | * | 48-125 | | 75895 | SPK: -100 |
| **INTERNAL STANDARDS** | | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 141958 | 7.758 | | | | |
| 1146-65-2 | Naphthalene-d8 | 625576 | 10.534 | | | | |
| 15067-26-2 | Acenaphthene-d10 | 449611 | 14.381 | | | | |
| 1517-22-2 | Phenanthrene-d10 | 1257426 | 17.175 | | | | |
| 1719-03-5 | Chrysene-d12 | 1226951 | 21.61 | | | | |
| 1520-96-3 | Perylene-d12 | 1403224 | 24.945 | | | | |

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# Report of Analysis

| | | | | | |
|---|---|---|---|---|---|
| Client: | | | | Date Collected: | 9/9/2024 12:00:00 AM |
| Project: | | | | Date Received: | 9/9/2024 12:00:00 AM |
| Client Sample ID: | PB163214BL | | | SDG No.: | BP091024 |
| Lab Sample ID: | PB163214BL | | | 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 |
|---|---|---|---|---|
| BP021879.D | 1 | 9/9/2024 12:00:00 AM | 9/10/2024 12:00:00 AM | PB163214 |

| 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
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Fax : 908 789 8922

# Report of Analysis

| | | | | | |
|---|---|---|---|---|---|
| Client: | | | | Date Collected: | 9/9/2024 12:00:00 AM |
| Project: | | | | Date Received: | 9/9/2024 12:00:00 AM |
| Client Sample ID: | PB163214BL | | | SDG No.: | BP091024 |
| Lab Sample ID: | PB163214BL | | | 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 |
|---|---|---|---|---|
| BP021879.D | 1 | 9/9/2024 12:00:00 AM | 9/10/2024 12:00:00 AM | PB163214 |

| 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 |

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Fax : 908 789 8922

# Report of Analysis

| | | | | | |
|---|---|---|---|---|---|
| Client: | | | | Date Collected: | 9/9/2024 12:00:00 AM |
| Project: | | | | Date Received: | 9/9/2024 12:00:00 AM |
| Client Sample ID: | PB163214BL | | | SDG No.: | BP091024 |
| Lab Sample ID: | PB163214BL | | | 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 |
|---|---|---|---|---|
| BP021879.D | 1 | 9/9/2024 12:00:00 AM | 9/10/2024 12:00:00 AM | PB163214 |

| 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 | 165.329 | | 18-112 | | 110 | SPK: -150 |
| 13127-88-3 | Phenol-d6 | 192.803 | * | 15-107 | | 129 | SPK: -150 |
| 4165-60-0 | Nitrobenzene-d5 | 73.916 | | 18-107 | | 74 | SPK: -100 |
| 321-60-8 | 2-Fluorobiphenyl | 104.336 | | 20-109 | | 104 | SPK: -100 |

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Fax : 908 789 8922

# Report of Analysis

| | | | | | |
|---|---|---|---|---|---|
| Client: | | | | Date Collected: | 9/9/2024 12:00:00 AM |
| Project: | | | | Date Received: | 9/9/2024 12:00:00 AM |
| Client Sample ID: | PB163214BL | | | SDG No.: | BP091024 |
| Lab Sample ID: | PB163214BL | | | 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 |
|---|---|---|---|---|
| BP021879.D | 1 | 9/9/2024 12:00:00 AM | 9/10/2024 12:00:00 AM | PB163214 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| 118-79-6 | 2,4,6-Tribromophenol | 148.315 | | 10-116 | | 99 | SPK: -150 |
| 1718-51-0 | Terphenyl-d14 | 110.842 | * | 10-105 | | 111 | SPK: -100 |
| **INTERNAL STANDARDS** | | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 163351 | 7.757 | | | | |
| 1146-65-2 | Naphthalene-d8 | 809715 | 10.534 | | | | |
| 15067-26-2 | Acenaphthene-d10 | 482544 | 14.375 | | | | |
| 1517-22-2 | Phenanthrene-d10 | 1034870 | 17.175 | | | | |
| 1719-03-5 | Chrysene-d12 | 951885 | 21.604 | | | | |
| 1520-96-3 | Perylene-d12 | 1019674 | 24.939 | | | | |
| **TENTATIVE IDENTIFIED COMPOUNDS** | | | | | | | |
| 000123-42-2 | 2-Pentanone, 4-hydroxy-4-methyl- | 200 | A | | | 4.911 | |

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# Hit Summary Sheet
**SW-846**

**SDG No.:** BP091024

**Client:**

| Sample ID | Client ID | | Parameter | Concentration | C | MDL | RDL | Units |
|---|---|---|---|---|---|---|---|---|
| **Client ID :** | **ICVBP091024** | | | | | | | |
| SSTDICV040 | ICVBP091024 | Water | 1,1-Biphenyl | 34,800.000 | | 910 | 5000 | ug/L |
| SSTDICV040 | ICVBP091024 | Water | 1,2,4,5-Tetrachlorobenzene | 35,500.000 | | 1100 | 5000 | ug/L |
| SSTDICV040 | ICVBP091024 | Water | 1,2,4-Trichlorobenzene | 35,600.000 | | 1100 | 5000 | ug/L |
| SSTDICV040 | ICVBP091024 | Water | 1,2-Dichlorobenzene | 34,200.000 | | 880 | 5000 | ug/L |
| SSTDICV040 | ICVBP091024 | Water | 1,3-Dichlorobenzene | 35,300.000 | | 800 | 5000 | ug/L |
| SSTDICV040 | ICVBP091024 | Water | 1,4-Dichlorobenzene | 35,300.000 | | 840 | 5000 | ug/L |
| SSTDICV040 | ICVBP091024 | Water | 1,4-Dioxane | 43,600.000 | | 1300 | 5000 | ug/L |
| SSTDICV040 | ICVBP091024 | Water | 1-Methylnaphthalene | 36,800.000 | | 860 | 5000 | ug/L |
| SSTDICV040 | ICVBP091024 | Water | 2,2-oxybis(1-Chloropropane) | 32,600.000 | | 1400 | 5000 | ug/L |
| SSTDICV040 | ICVBP091024 | Water | 2,3,4,6-Tetrachlorophenol | 38,000.000 | | 790 | 5000 | ug/L |
| SSTDICV040 | ICVBP091024 | Water | 2,4,5-Trichlorophenol | 36,500.000 | | 1000 | 5000 | ug/L |
| SSTDICV040 | ICVBP091024 | Water | 2,4,6-Trichlorophenol | 37,700.000 | | 890 | 5000 | ug/L |
| SSTDICV040 | ICVBP091024 | Water | 2,4-Dichlorophenol | 37,300.000 | | 880 | 5000 | ug/L |
| SSTDICV040 | ICVBP091024 | Water | 2,4-Dimethylphenol | 37,000.000 | | 1500 | 5000 | ug/L |
| SSTDICV040 | ICVBP091024 | Water | 2,4-Dinitrophenol | 39,200.000 | | 6400 | 10000 | ug/L |
| SSTDICV040 | ICVBP091024 | Water | 2,4-Dinitrotoluene | 39,100.000 | | 1500 | 5000 | ug/L |
| SSTDICV040 | ICVBP091024 | Water | 2,6-Dinitrotoluene | 37,900.000 | | 1200 | 5000 | ug/L |
| SSTDICV040 | ICVBP091024 | Water | 2-Chloronaphthalene | 34,600.000 | | 970 | 5000 | ug/L |
| SSTDICV040 | ICVBP091024 | Water | 2-Chlorophenol | 37,400.000 | | 710 | 5000 | ug/L |
| SSTDICV040 | ICVBP091024 | Water | 2-Methylnaphthalene | 36,900.000 | | 1100 | 5000 | ug/L |
| SSTDICV040 | ICVBP091024 | Water | 2-Methylphenol | 34,700.000 | | 1100 | 5000 | ug/L |
| SSTDICV040 | ICVBP091024 | Water | 2-Nitroaniline | 35,600.000 | | 1400 | 5000 | ug/L |
| SSTDICV040 | ICVBP091024 | Water | 2-Nitrophenol | 36,900.000 | | 2000 | 5000 | ug/L |
| SSTDICV040 | ICVBP091024 | Water | 3+4-Methylphenols | 36,100.000 | | 1200 | 10000 | ug/L |
| SSTDICV040 | ICVBP091024 | Water | 3,3-Dichlorobenzidine | 37,900.000 | | 1300 | 10000 | ug/L |
| SSTDICV040 | ICVBP091024 | Water | 3-Nitroaniline | 37,700.000 | | 1400 | 5000 | ug/L |
| SSTDICV040 | ICVBP091024 | Water | 4,6-Dinitro-2-methylphenol | 35,900.000 | | 3100 | 10000 | ug/L |
| SSTDICV040 | ICVBP091024 | Water | 4-Bromophenyl-phenylether | 35,800.000 | | 950 | 5000 | ug/L |
| SSTDICV040 | ICVBP091024 | Water | 4-Chloro-3-methylphenol | 38,100.000 | | 840 | 5000 | ug/L |
| SSTDICV040 | ICVBP091024 | Water | 4-Chloroaniline | 38,100.000 | | 1300 | 5000 | ug/L |
| SSTDICV040 | ICVBP091024 | Water | 4-Chlorophenyl-phenylether | 46,000.000 | | 980 | 5000 | ug/L |
| SSTDICV040 | ICVBP091024 | Water | 4-Nitroaniline | 48,400.000 | | 2000 | 5000 | ug/L |
| SSTDICV040 | ICVBP091024 | Water | 4-Nitrophenol | 39,100.000 | | 2000 | 10000 | ug/L |
| SSTDICV040 | ICVBP091024 | Water | Acenaphthene | 35,700.000 | | 810 | 5000 | ug/L |
| SSTDICV040 | ICVBP091024 | Water | Acenaphthylene | 35,700.000 | | 1000 | 5000 | ug/L |
| SSTDICV040 | ICVBP091024 | Water | Acetophenone | 33,800.000 | | 1100 | 5000 | ug/L |
| SSTDICV040 | ICVBP091024 | Water | Aniline | 37,900.000 | | 1600 | 5000 | ug/L |

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# Hit Summary Sheet
**SW-846**

**SDG No.:** BP091024

**Client:**

| Sample ID | Client ID | | Parameter | Concentration | C | MDL | RDL | Units |
|---|---|---|---|---|---|---|---|---|
| SSTDICV040 | ICVBP091024 | Water | Anthracene | 35,500.000 | | 1100 | 5000 | ug/L |
| SSTDICV040 | ICVBP091024 | Water | Atrazine | 31,200.000 | | 1300 | 5000 | ug/L |
| SSTDICV040 | ICVBP091024 | Water | Azobenzene | 45,900.000 | | 1200 | 5000 | ug/L |
| SSTDICV040 | ICVBP091024 | Water | Benzaldehyde | 45,800.000 | | 4000 | 10000 | ug/L |
| SSTDICV040 | ICVBP091024 | Water | Benzidine | 56,400.000 | | 4100 | 10000 | ug/L |
| SSTDICV040 | ICVBP091024 | Water | Benzo(a)anthracene | 36,600.000 | | 940 | 5000 | ug/L |
| SSTDICV040 | ICVBP091024 | Water | Benzo(a)pyrene | 36,200.000 | | 1700 | 5000 | ug/L |
| SSTDICV040 | ICVBP091024 | Water | Benzo(b)fluoranthene | 36,200.000 | | 1100 | 5000 | ug/L |
| SSTDICV040 | ICVBP091024 | Water | Benzo(g,h,i)perylene | 35,000.000 | | 1200 | 5000 | ug/L |
| SSTDICV040 | ICVBP091024 | Water | Benzo(k)fluoranthene | 35,800.000 | | 1200 | 5000 | ug/L |
| SSTDICV040 | ICVBP091024 | Water | Benzoic acid | 37,500.000 | | 5500 | 10000 | ug/L |
| SSTDICV040 | ICVBP091024 | Water | Benzyl Alcohol | 34,900.000 | | 1600 | 10000 | ug/L |
| SSTDICV040 | ICVBP091024 | Water | bis(2-Chloroethoxy)methane | 34,500.000 | | 1000 | 5000 | ug/L |
| SSTDICV040 | ICVBP091024 | Water | bis(2-Chloroethyl)ether | 36,200.000 | | 1200 | 5000 | ug/L |
| SSTDICV040 | ICVBP091024 | Water | Bis(2-ethylhexyl)phthalate | 37,400.000 | | 1900 | 5000 | ug/L |
| SSTDICV040 | ICVBP091024 | Water | Butylbenzylphthalate | 37,200.000 | | 2100 | 5000 | ug/L |
| SSTDICV040 | ICVBP091024 | Water | Caprolactam | 38,500.000 | | 1700 | 10000 | ug/L |
| SSTDICV040 | ICVBP091024 | Water | Carbazole | 35,600.000 | | 1200 | 5000 | ug/L |
| SSTDICV040 | ICVBP091024 | Water | Chrysene | 35,300.000 | | 860 | 5000 | ug/L |
| SSTDICV040 | ICVBP091024 | Water | Di-n-butylphthalate | 36,700.000 | | 1500 | 5000 | ug/L |
| SSTDICV040 | ICVBP091024 | Water | Di-n-octyl phthalate | 36,800.000 | | 2500 | 10000 | ug/L |
| SSTDICV040 | ICVBP091024 | Water | Dibenzo(a,h)anthracene | 35,000.000 | | 1200 | 5000 | ug/L |
| SSTDICV040 | ICVBP091024 | Water | Dibenzofuran | 36,500.000 | | 930 | 5000 | ug/L |
| SSTDICV040 | ICVBP091024 | Water | Diethylphthalate | 46,400.000 | | 1000 | 5000 | ug/L |
| SSTDICV040 | ICVBP091024 | Water | Dimethylphthalate | 36,500.000 | | 930 | 5000 | ug/L |
| SSTDICV040 | ICVBP091024 | Water | Fluoranthene | 37,000.000 | | 1300 | 5000 | ug/L |
| SSTDICV040 | ICVBP091024 | Water | Fluorene | 46,100.000 | | 960 | 5000 | ug/L |
| SSTDICV040 | ICVBP091024 | Water | Hexachlorobenzene | 35,400.000 | | 1100 | 5000 | ug/L |
| SSTDICV040 | ICVBP091024 | Water | Hexachlorobutadiene | 36,600.000 | | 1300 | 5000 | ug/L |
| SSTDICV040 | ICVBP091024 | Water | Hexachlorocyclopentadiene | 36,600.000 | | 5000 | 10000 | ug/L |
| SSTDICV040 | ICVBP091024 | Water | Hexachloroethane | 36,200.000 | | 1000 | 5000 | ug/L |
| SSTDICV040 | ICVBP091024 | Water | Indeno(1,2,3-cd)pyrene | 35,000.000 | | 1000 | 5000 | ug/L |
| SSTDICV040 | ICVBP091024 | Water | Isophorone | 35,100.000 | | 1100 | 5000 | ug/L |
| SSTDICV040 | ICVBP091024 | Water | n-Nitroso-di-n-propylamine | 34,200.000 | | 1500 | 2500 | ug/L |
| SSTDICV040 | ICVBP091024 | Water | n-Nitrosodimethylamine | 42,700.000 | | 1000 | 10000 | ug/L |
| SSTDICV040 | ICVBP091024 | Water | n-Nitrosodiphenylamine | 37,300.000 | | 890 | 5000 | ug/L |
| SSTDICV040 | ICVBP091024 | Water | Naphthalene | 35,500.000 | | 1000 | 5000 | ug/L |
| SSTDICV040 | ICVBP091024 | Water | Nitrobenzene | 34,700.000 | | 1300 | 5000 | ug/L |
| SSTDICV040 | ICVBP091024 | Water | Pentachlorophenol | 37,000.000 | | 1900 | 10000 | ug/L |
| SSTDICV040 | ICVBP091024 | Water | Phenanthrene | 35,800.000 | | 890 | 5000 | ug/L |

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Fax : 908 789 8922

# Hit Summary Sheet
**SW-846**

**SDG No.:** BP091024

**Client:**

| Sample ID | Client ID | | Parameter | Concentration | C | MDL | RDL | Units |
|---|---|---|---|---|---|---|---|---|
| SSTDICV040 | ICVBP091024 | Water | Phenol | 37,100.000 | | 930 | 5000 | ug/L |
| SSTDICV040 | ICVBP091024 | Water | Pyrene | 37,500.000 | | 1100 | 5000 | ug/L |
| SSTDICV040 | ICVBP091024 | Water | Pyridine | 41,300.000 | | 1600 | 5000 | ug/L |
| SSTDICV040 | ICVBP091024 | Water | 2,4-Dinitrotoluene/2,6-Dinitrotolu | 77,000.000 | | 2700 | 10000 | ug/L |
| SSTDICV040 | ICVBP091024 | Water | Total PAH | 583,900.000 | | 17360 | 80000 | ug/L |
| | | | **Total Svoc :** | **3,660,300.00** | | | | |
| | | | **Total Concentration:** | **3,660,300.00** | | | | |

CHEMTECH

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BP091024 SAS No.: BP091024 SDG No.: BP091024

Instrument ID: Calibration Date(s): 9/10/2024

Calibration Time(s): 10:08

LAB FILE ID: RRF2.5 = BP021870.D RRF005 = BP021871.D RRF010 = BP021872.D
RRF020 = BP021873.D RRF040 = BP021874.D RRF050 = BP021875.D

| COMPOUND | RRF2.5 | RRF005 | RRF010 | RRF020 | RRF040 | RRF050 | RRF | % RSD |
|---|---|---|---|---|---|---|---|---|
| n-Nitrosodimethylamine | | 0.675 | 0.910 | 0.615 | 0.767 | 0.560 | 0.687 | 19.1 |
| Pyridine | | 1.678 | 2.360 | 1.728 | 2.194 | 1.609 | 1.818 | 18.1 |
| 2-Fluorophenol | | 1.371 | 1.344 | 1.423 | 1.801 | 1.379 | 1.385 | 15.3 |
| Benzaldehyde | | 0.887 | 1.148 | 1.254 | 0.990 | 1.020 | 0.991 | 17.7 |
| Aniline | | 1.206 | 1.669 | 1.932 | 1.644 | 1.669 | 1.641 | 13.2 |
| Phenol-d6 | | 1.292 | 1.819 | 2.056 | 1.864 | 2.004 | 1.874 | 14.9 |
| Phenol | | 1.332 | 1.845 | 2.093 | 1.854 | 2.023 | 1.904 | 14.5 |
| bis(2-Chloroethyl)ether | | 1.076 | 1.424 | 1.649 | 1.434 | 1.532 | 1.465 | 13.0 |
| 2-Chlorophenol | | 0.996 | 1.283 | 1.364 | 1.292 | 1.289 | 1.274 | 10.0 |
| 1,2-Dichlorobenzene | | 1.531 | 1.424 | 1.522 | 1.838 | 1.364 | 1.495 | 11.1 |
| 1,3-Dichlorobenzene | | 1.565 | 1.480 | 1.544 | 1.472 | 1.418 | 1.477 | 4.1 |
| 1,4-Dichlorobenzene | | 1.549 | 1.515 | 1.556 | 1.511 | 1.429 | 1.497 | 3.4 |
| Benzyl Alcohol | | 1.193 | 1.265 | 1.422 | 1.636 | 1.367 | 1.392 | 10.2 |
| 2-Methylphenol | | 1.151 | 1.196 | 1.356 | 1.701 | 1.299 | 1.346 | 13.2 |
| 2,2-oxybis(1-Chloropropane) | | 1.459 | 1.322 | 1.558 | 1.910 | 1.431 | 1.508 | 12.7 |
| Acetophenone | | 0.600 | 0.592 | 0.621 | 0.613 | 0.765 | 0.617 | 11.6 |
| 3+4-Methylphenols | | 1.572 | 1.619 | 1.913 | 2.378 | 1.813 | 1.854 | 14.6 |
| n-Nitroso-di-n-propylamine | 1.042 | 1.091 | 1.050 | 1.270 | 1.517 | 1.156 | 1.173 | 13.9 |
| Nitrobenzene-d5 | | 0.434 | 0.420 | 0.397 | 0.463 | 0.490 | 0.441 | 6.9 |
| Hexachloroethane | | 0.662 | 0.646 | 0.559 | 0.795 | 0.538 | 0.624 | 14.4 |
| Nitrobenzene | | 0.454 | 0.432 | 0.395 | 0.470 | 0.414 | 0.438 | 6.0 |
| Isophorone | | 0.703 | 0.698 | 0.810 | 0.817 | 0.717 | 0.766 | 7.5 |
| 2-Nitrophenol | | 0.129 | 0.133 | 0.148 | 0.162 | 0.155 | 0.152 | 11.0 |
| 2,4-Dimethylphenol | | 0.201 | 0.204 | 0.225 | 0.229 | 0.212 | 0.218 | 5.9 |
| bis(2-Chloroethoxy)methane | | 0.494 | 0.469 | 0.529 | 0.526 | 0.454 | 0.498 | 5.7 |
| 2,4-Dichlorophenol | | 0.251 | 0.262 | 0.294 | 0.301 | 0.283 | 0.284 | 7.1 |
| 1,2,4-Trichlorobenzene | | 0.342 | 0.326 | 0.333 | 0.333 | 0.312 | 0.327 | 3.2 |
| Benzoic acid | | 0.177 | 0.212 | 0.232 | 0.252 | 0.262 | 0.241 | 15.2 |
| Naphthalene | | 1.091 | 1.068 | 1.080 | 1.060 | 0.992 | 1.048 | 3.7 |
| 4-Chloroaniline | | 0.367 | 0.380 | 0.409 | 0.409 | 0.375 | 0.384 | 4.9 |
| Hexachlorobutadiene | | 0.212 | 0.211 | 0.203 | 0.204 | 0.199 | 0.203 | 3.6 |
| Caprolactam | | 0.094 | 0.104 | 0.119 | 0.126 | 0.124 | 0.118 | 11.6 |
| 4-Chloro-3-methylphenol | | 0.339 | 0.389 | 0.426 | 0.428 | 0.432 | 0.410 | 8.6 |
| 2-Methylnaphthalene | | 0.709 | 0.680 | 0.727 | 0.716 | 0.698 | 0.701 | 2.7 |
| Hexachlorocyclopentadiene | | 0.158 | 0.165 | 0.173 | 0.191 | 0.138 | 0.167 | 9.7 |
| 2,4,6-Trichlorophenol | | 0.298 | 0.313 | 0.349 | 0.366 | 0.270 | 0.332 | 11.5 |

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.: BP091024 SAS No.: BP091024 SDG No.: BP091024

Instrument ID: Calibration Date(s): 9/10/2024

Calibration Time(s): 10:08

LAB FILE ID: RRF2.5 = BP021870.D RRF005 = BP021871.D RRF010 = BP021872.D
RRF020 = BP021873.D RRF040 = BP021874.D RRF050 = BP021875.D

| COMPOUND | RRF2.5 | RRF005 | RRF010 | RRF020 | RRF040 | RRF050 | RRF | % RSD |
|---|---|---|---|---|---|---|---|---|
| 2-Fluorobiphenyl | | 1.330 | 1.251 | 1.279 | 1.291 | 0.957 | 1.216 | 10.2 |
| 2,4,5-Trichlorophenol | | 0.353 | 0.371 | 0.411 | 0.424 | 0.314 | 0.386 | 10.6 |
| 1,1-Biphenyl | | 1.483 | 1.380 | 1.437 | 1.434 | 1.305 | 1.395 | 4.4 |
| 2-Chloronaphthalene | | 1.142 | 1.072 | 1.123 | 1.109 | 1.032 | 1.084 | 3.8 |
| 2-Nitroaniline | | 0.321 | 0.332 | 0.391 | 0.406 | 0.393 | 0.378 | 9.5 |
| Dimethylphthalate | | 1.363 | 1.381 | 1.446 | 1.401 | 1.339 | 1.377 | 2.7 |
| Acenaphthylene | | 1.539 | 1.568 | 1.674 | 1.674 | 1.553 | 1.605 | 3.6 |
| 2,6-Dinitrotoluene | | 0.255 | 0.289 | 0.316 | 0.323 | 0.312 | 0.305 | 8.0 |
| 3-Nitroaniline | | 0.269 | 0.294 | 0.322 | 0.343 | 0.317 | 0.313 | 7.8 |
| Acenaphthene | | 1.083 | 1.043 | 1.075 | 1.076 | 0.970 | 1.037 | 4.3 |
| 2,4-Dinitrophenol | | 0.098 | 0.119 | 0.139 | 0.158 | 0.162 | 0.145 | 19.2 |
| 4-Nitrophenol | | 0.181 | 0.243 | 0.288 | 0.301 | 0.294 | 0.271 | 16.4 |
| Dibenzofuran | | 1.512 | 1.720 | 1.734 | 1.706 | 1.572 | 1.632 | 5.4 |
| 2,4-Dinitrotoluene | | 0.299 | 0.398 | 0.442 | 0.455 | 0.448 | 0.420 | 13.5 |
| Diethylphthalate | | 1.405 | 1.504 | 1.506 | 1.404 | 1.391 | 1.429 | 3.7 |
| 4-Chlorophenyl-phenylether | | 0.677 | 0.675 | 0.686 | 0.675 | 0.622 | 0.652 | 5.0 |
| Fluorene | | 1.377 | 1.382 | 1.420 | 1.386 | 1.279 | 1.345 | 4.6 |
| 4-Nitroaniline | | 0.270 | 0.324 | 0.352 | 0.367 | 0.359 | 0.342 | 10.1 |
| 4,6-Dinitro-2-methylphenol | | | 0.060 | 0.091 | 0.105 | 0.102 | 0.094 | 21.0 |
| n-Nitrosodiphenylamine | | 0.520 | 0.385 | 0.540 | 0.548 | 0.504 | 0.512 | 11.9 |
| Azobenzene | | 1.492 | 1.595 | 1.726 | 1.692 | 1.591 | 1.608 | 5.0 |
| 2,4,6-Tribromophenol | | 0.199 | 0.235 | 0.207 | 0.237 | 0.222 | 0.222 | 6.4 |
| 4-Bromophenyl-phenylether | | 0.181 | 0.180 | 0.188 | 0.192 | 0.180 | 0.189 | 5.7 |
| Hexachlorobenzene | | 0.225 | 0.219 | 0.225 | 0.227 | 0.214 | 0.225 | 4.1 |
| Atrazine | | 0.166 | 0.160 | 0.146 | 0.134 | 0.161 | 0.150 | 11.6 |
| Pentachlorophenol | | 0.115 | 0.125 | 0.142 | 0.157 | 0.146 | 0.144 | 13.4 |
| Phenanthrene | | 1.039 | 1.006 | 1.011 | 1.009 | 0.932 | 0.989 | 3.8 |
| Anthracene | | 0.955 | 0.922 | 0.992 | 0.999 | 0.907 | 0.963 | 4.8 |
| Carbazole | | 0.963 | 0.954 | 1.011 | 1.022 | 0.942 | 0.988 | 4.5 |
| Di-n-butylphthalate | | 0.967 | 0.998 | 1.129 | 1.169 | 1.109 | 1.093 | 8.8 |
| Fluoranthene | | 1.202 | 1.204 | 1.270 | 1.288 | 1.188 | 1.197 | 11.5 |
| Benzidine | | 0.239 | 0.229 | 0.281 | 0.421 | 0.241 | 0.276 | 25.5 |
| Pyrene | | 1.212 | 1.226 | 1.307 | 1.094 | 1.299 | 1.262 | 7.4 |
| Terphenyl-d14 | | 0.957 | 0.939 | 0.999 | 0.780 | 0.949 | 0.936 | 8.3 |
| Butylbenzylphthalate | | 0.417 | 0.443 | 0.518 | 0.563 | 0.547 | 0.519 | 12.5 |
| 3,3-Dichlorobenzidine | | 0.336 | 0.371 | 0.413 | 0.443 | 0.416 | 0.401 | 8.8 |

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.: BP091024 SAS No.: BP091024 SDG No.: BP091024

Instrument ID: Calibration Date(s): 9/10/2024

Calibration Time(s): 10:08

LAB FILE ID: RRF2.5 = BP021870.D RRF005 = BP021871.D RRF010 = BP021872.D
RRF020 = BP021873.D RRF040 = BP021874.D RRF050 = BP021875.D

| COMPOUND | RRF2.5 | RRF005 | RRF010 | RRF020 | RRF040 | RRF050 | RRF | % RSD |
|---|---|---|---|---|---|---|---|---|
| Benzo(a)anthracene | | 1.244 | 1.233 | 1.306 | 1.314 | 1.252 | 1.269 | 2.9 |
| Chrysene | | 1.262 | 1.215 | 1.238 | 1.252 | 1.184 | 1.222 | 2.9 |
| Bis(2-ethylhexyl)phthalate | | 0.603 | 0.644 | 0.758 | 0.796 | 0.799 | 0.744 | 11.6 |
| Di-n-octyl phthalate | | 0.926 | 0.999 | 1.226 | 1.328 | 1.339 | 1.224 | 15.4 |
| Benzo(b)fluoranthene | | 1.098 | 1.074 | 1.197 | 1.199 | 1.128 | 1.152 | 4.5 |
| Benzo(k)fluoranthene | | 1.084 | 1.099 | 1.143 | 1.157 | 1.091 | 1.117 | 2.7 |
| Benzo(a)pyrene | | 0.912 | 0.928 | 1.018 | 1.062 | 0.996 | 0.998 | 5.8 |
| Indeno(1,2,3-cd)pyrene | | 1.252 | 1.215 | 1.275 | 1.295 | 1.211 | 1.258 | 3.1 |
| Dibenzo(a,h)anthracene | | 1.061 | 1.021 | 1.055 | 1.070 | 0.983 | 1.040 | 3.1 |
| Benzo(g,h,i)perylene | | 1.082 | 1.047 | 1.093 | 1.125 | 1.043 | 1.090 | 3.5 |
| 1,2,4,5-Tetrachlorobenzene | | 0.546 | 0.516 | 0.544 | 0.552 | 0.397 | 0.516 | 10.4 |
| 1,4-Dioxane | | 0.677 | 0.924 | 0.654 | 0.795 | 0.588 | 0.704 | 18.8 |
| 2,3,4,6-Tetrachlorophenol | | 0.303 | 0.335 | 0.360 | 0.357 | 0.338 | 0.339 | 5.4 |
| 1-Methylnaphthalene | | 0.704 | 0.691 | 0.728 | 0.704 | 0.688 | 0.700 | 2.4 |

All other compounds must meet a minimum RRF of 0.010.

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Fax : 908 789 8922

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BP091024 SAS No.: BP091024 SDG NO.: BP091024

EPA Sample No.: SSTDICCC040 Date Analyzed: Sep 10 2024 12:00AM

Lab File ID: BP021874.D Time Analyzed: 17:26

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 | 173061 | 7.763 | 919012 | 10.53 | 608253 | 14.39 |
| | UPPER LIMIT | 346122 | 8.263 | 1838024 | 11.034 | 1216506 | 14.887 |
| | LOWER LIMIT | 86530.5 | 7.263 | 459506 | 10.034 | 304126.5 | 13.887 |
| | EPA SAMPLE NO. | | | | | | |
| 01 | ICVBP091024 | 141958 | 7.76 | 625576 | 10.53 | 449611 | 14.38 |
| 02 | PB163214BL | 163351 | 7.76 | 809715 | 10.53 | 482544 | 14.38 |

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.

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BP091024 SAS No.: BP091024 SDG NO.: BP091024

EPA Sample No.: SSTDICCC040 Date Analyzed: Sep 10 2024 12:00AM

Lab File ID: BP021874.D Time Analyzed: 17:26

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 | 173061 | 7.763 | 919012 | 10.53 | 608253 | 14.39 |
| | UPPER LIMIT | 346122 | 8.263 | 1838024 | 11.034 | 1216506 | 14.887 |
| | LOWER LIMIT | 86530.5 | 7.263 | 459506 | 10.034 | 304126.5 | 13.887 |
| | EPA SAMPLE NO. | | | | | | |
| 01 | ICVBP091024 | 141958 | 7.76 | 625576 | 10.53 | 449611 | 14.38 |
| 02 | PB163214BL | 163351 | 7.76 | 809715 | 10.53 | 482544 | 14.38 |

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.

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BP091024 SAS No.: BP091024 SDG NO.: BP091024

EPA Sample No.: SSTDICCC040 Date Analyzed: Sep 10 2024 12:00AM

Lab File ID: BP021874.D Time Analyzed: 17:26

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 | 1.33441e+0( | 17.169 | 1.33549e+ | 21.621 | 1.53313e+0( | 24.957 |
| | UPPER LIMIT | 2668820 | 17.669 | 2670980 | 22.121 | 3066260 | 25.457 |
| | LOWER LIMIT | 667205 | 16.669 | 667745 | 21.121 | 766565 | 24.457 |
| | EPA SAMPLE NO. | | | | | | |
| 01 | ICVBP091024 | 1.25743 | 17.18 | 1.22695e+ | 21.61 | 1.40322e+ | 24.95 |
| 02 | PB163214BL | 1.03487 | 17.18 | 951885 | 21.60 | 1.01967e+ | 24.94 |

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.

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BP091024 SAS No.: BP091024 SDG NO.: BP091024

EPA Sample No.: SSTDICCC040 Date Analyzed: Sep 10 2024 12:00AM

Lab File ID: BP021874.D Time Analyzed: 17:26

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 | 1.33441e+0( | 17.169 | 1.33549e+ | 21.621 | 1.53313e+0( | 24.957 |
| | UPPER LIMIT | 2668820 | 17.669 | 2670980 | 22.121 | 3066260 | 25.457 |
| | LOWER LIMIT | 667205 | 16.669 | 667745 | 21.121 | 766565 | 24.457 |
| | EPA SAMPLE NO. | | | | | | |
| 01 | ICVBP091024 | 1.25743 | 17.18 | 1.22695e+ | 21.61 | 1.40322e+ | 24.95 |
| 02 | PB163214BL | 1.03487 | 17.18 | 951885 | 21.60 | 1.01967e+ | 24.94 |

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.

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

ICVBP091024

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BP091024 SAS No.: BP091024 SDG NO.: BP091024

Lab File ID: BP021878.D Lab Sample ID: SSTDICV040

Instrument ID: BNA_P Date Extracted:

Matrix: (soil/water) Water Date Analyzed: 09/10/2024

Level: (low/med) LOW Time Analyzed: 17:26

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

| EPA SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED |
|---|---|---|---|
| ICVBP091024 | SSTDICV040 | BP021878.D | 09/10/2024 |

COMMENTS:

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Fax : 908 789 8922

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB163214BL

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BP091024 SAS No.: BP091024 SDG NO.: BP091024

Lab File ID: BP021879.D Lab Sample ID: PB163214BL

Instrument ID: BNA_P Date Extracted: 09/09/2024

Matrix: (soil/water) Solid Date Analyzed: 09/10/2024

Level: (low/med) LOW Time Analyzed: 18:10

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.:** BP091024

**Client:**

**Analytical Method:** 8270E

| Lab Sample ID | Client ID | Datafile | Parameter | Spike (PPM) | Result (PPM) | Recovery (%) | Qual | Limits (%) Low | Limits (%) High |
|---|---|---|---|---|---|---|---|---|---|
| SSTDICV040 | ICVBP091024 | BP021878.D | 2-Fluorophenol | 150 | 100,006.00 | 66671 | * | 10 | 139 |
| | | | Phenol-d6 | 150 | 85,384.00 | 56923 | * | 10 | 134 |
| | | | Nitrobenzene-d5 | 100 | 69,126.00 | 69126 | * | 49 | 133 |
| | | | 2-Fluorobiphenyl | 100 | 72,019.00 | 72019 | * | 52 | 132 |
| | | | 2,4,6-Tribromophenol | 150 | 95,717.00 | 63811 | * | 44 | 137 |
| | | | Terphenyl-d14 | 100 | 75,895.00 | 75895 | * | 48 | 125 |

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# Surrogate Summary

**SW-846**

**SDG No.:** BP091024

**Client:**

**Analytical Method:** 8270E

| Lab Sample ID | Client ID | Datafile | Parameter | Spike (PPM) | Result (PPM) | Recovery (%) | Qual | Limits (%) Low | Limits (%) High |
|---|---|---|---|---|---|---|---|---|---|
| PB163214BL | PB163214BL | BP021879.D | 2-Fluorophenol | 150 | 165.33 | 110 | | 18 | 112 |
| | | | Phenol-d6 | 150 | 192.80 | 129 | * | 15 | 107 |
| | | | Nitrobenzene-d5 | 100 | 73.92 | 74 | | 18 | 107 |
| | | | 2-Fluorobiphenyl | 100 | 104.34 | 104 | | 20 | 109 |
| | | | 2,4,6-Tribromophenol | 150 | 148.32 | 99 | | 10 | 116 |
| | | | Terphenyl-d14 | 100 | 110.84 | 111 | * | 10 | 105 |

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: BP091024

Lab Code: CHEM SAS No.: BP091024 SDG NO.: BP091024

Lab File ID: BP021869.D DFTPP Injection Date: 09/10/2024

Instrument ID: BNA_P DFTPP Injection Time: 09:25

| m/e | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|---|---|---|
| 51 | 10.0 - 80.0% of mass 198 | 36.1 |
| 68 | Less than 2.0% of mass 69 | 0.8 ( 1.8 ) 1 |
| 69 | Mass 69 relative abundance | 42.9 |
| 70 | Less than 2.0% of mass 69 | 0.2 ( 0.5 ) 1 |
| 127 | 10.0 - 80.0% of mass 198 | 50.3 |
| 197 | Less than 2.0% of mass 198 | 0.4 |
| 198 | Base Peak, 100% relative abundance | 100 |
| 199 | 5.0 to 9.0% of mass 198 | 7 |
| 275 | 10.0 - 60.0% of mass 198 | 29.4 |
| 365 | Greater than 1% of mass 198 | 5.3 |
| 441 | Present, but less than mass 443 | 15.2 |
| 442 | Greater than 50% of mass 198 | 97.4 |
| 443 | 15.0 - 24.0% of mass 442 | 19.1 (19.6) 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 | BP021870.D | 09/10/2024 | 10:08 |
| SSTDICC005 | SSTDICC005 | BP021871.D | 09/10/2024 | 10:51 |
| SSTDICC010 | SSTDICC010 | BP021872.D | 09/10/2024 | 11:35 |
| SSTDICC020 | SSTDICC020 | BP021873.D | 09/10/2024 | 12:58 |
| SSTDICCC040 | SSTDICCC040 | BP021874.D | 09/10/2024 | 13:40 |
| SSTDICC050 | SSTDICC050 | BP021875.D | 09/10/2024 | 14:22 |
| SSTDICC060 | SSTDICC060 | BP021876.D | 09/10/2024 | 15:04 |
| SSTDICC080 | SSTDICC080 | BP021877.D | 09/10/2024 | 15:46 |
| ICVBP091024 | SSTDICV040 | BP021878.D | 09/10/2024 | 17:26 |
| PB163214BL | PB163214BL | BP021879.D | 09/10/2024 | 18:10 |