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.: BN110724 SAS No.: BN110724 SDG No.: BN110724

Instrument ID: BNA_N Calibration Date/Time: 11/7/2024 12 16:58

Lab File ID: BN034896.D Init. Calib. Date(s):

EPA Sample No.: SSTDCCC0.4EC Init. Calib. Time(s):

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

| COMPOUND | RRF | RRF0.4 | MIN RRF | %D | MAX%D |
|---|---|---|---|---|---|
| 2-Methylnaphthalene-d10 | 0.545 | 0.495 | | -9.174 | 50.0 |
| Fluoranthene-d10 | 0.902 | 0.847 | | -6.098 | 50.0 |
| n-Nitrosodimethylamine | 0.682 | 0.642 | | -5.865 | 50.0 |
| 2-Fluorophenol | 1.115 | 1.012 | | -9.238 | 50.0 |
| Phenol-d6 | 1.480 | 1.302 | | -12.027 | 50.0 |
| bis(2-Chloroethyl)ether | 1.277 | 1.170 | | -8.379 | 50.0 |
| Nitrobenzene-d5 | 0.312 | 0.278 | | -10.897 | 50.0 |
| Naphthalene | 1.110 | 1.034 | | -6.847 | 50.0 |
| Hexachlorobutadiene | 0.177 | 0.167 | | -5.65 | 50.0 |
| 2-Methylnaphthalene | 0.679 | 0.615 | | -9.426 | 50.0 |
| 2-Fluorobiphenyl | 1.690 | 1.498 | | -11.361 | 50.0 |
| Acenaphthylene | 1.929 | 1.660 | | -13.945 | 50.0 |
| Acenaphthene | 1.335 | 1.165 | | -12.734 | 50.0 |
| Fluorene | 1.662 | 1.489 | | -10.409 | 50.0 |
| 4,6-Dinitro-2-methylphenol | 0.044 | 0.031 | | -29.545 | 50.0 |
| 2,4,6-Tribromophenol | 0.118 | 0.092 | | -22.034 | 50.0 |
| 4-Bromophenyl-phenylether | 0.213 | 0.194 | | -8.92 | 50.0 |
| Hexachlorobenzene | 0.257 | 0.246 | | -4.28 | 50.0 |
| Atrazine | 0.154 | 0.135 | | -12.338 | 50.0 |
| Pentachlorophenol | 0.077 | 0.057 | | -25.974 | 50.0 |
| Phenanthrene | 1.227 | 1.155 | | -5.868 | 50.0 |
| Anthracene | 1.058 | 0.971 | | -8.223 | 50.0 |
| Fluoranthene | 1.291 | 1.226 | | -5.035 | 50.0 |
| Pyrene | 2.025 | 1.965 | | -2.963 | 50.0 |
| Terphenyl-d14 | 0.749 | 0.727 | | -2.937 | 50.0 |
| Benzo(a)anthracene | 1.559 | 1.484 | | -4.811 | 50.0 |
| Chrysene | 1.650 | 1.633 | | -1.03 | 50.0 |
| Bis(2-ethylhexyl)phthalate | 0.895 | 0.718 | | -19.777 | 50.0 |
| Benzo(b)fluoranthene | 1.757 | 1.779 | | 1.252 | 50.0 |
| Benzo(k)fluoranthene | 1.828 | 1.811 | | -0.93 | 50.0 |
| Benzo(a)pyrene | 1.396 | 1.311 | | -6.089 | 50.0 |
| Indeno(1,2,3-cd)pyrene | 1.782 | 1.585 | | -11.055 | 50.0 |
| Dibenzo(a,h)anthracene | 1.379 | 1.203 | | -12.763 | 50.0 |
| Benzo(g,h,i)perylene | 1.464 | 1.349 | | -7.855 | 50.0 |
| 1,4-Dioxane | 0.505 | 0.471 | | -6.733 | 50.0 |

All other compounds must meet a minimum RRF of 0.010.

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BN110724 SAS No.: BN110724 SDG No.: BN110724

Instrument ID: BNA_N Calibration Date/Time: 11/7/2024 12 11:24

Lab File ID: BN034887.D Init. Calib. Date(s):

EPA Sample No.: SSTDICCC0.4 Init. Calib. Time(s):

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

| COMPOUND | RRF | RRF0.4 | MIN RRF | %D | MAX%D |
|---|---|---|---|---|---|
| 2-Methylnaphthalene-d10 | 0.545 | 0.491 | | -9.908 | 20.0 |
| Fluoranthene-d10 | 0.902 | 0.801 | | -11.197 | 20.0 |
| n-Nitrosodimethylamine | 0.682 | 0.621 | | -8.944 | 20.0 |
| 2-Fluorophenol | 1.115 | 1.007 | | -9.686 | 20.0 |
| Phenol-d6 | 1.480 | 1.299 | | -12.23 | 20.0 |
| bis(2-Chloroethyl)ether | 1.277 | 1.170 | | -8.379 | 20.0 |
| Nitrobenzene-d5 | 0.312 | 0.280 | | -10.256 | 20.0 |
| Naphthalene | 1.110 | 1.028 | | -7.387 | 20.0 |
| Hexachlorobutadiene | 0.177 | 0.167 | | -5.65 | 20.0 |
| 2-Methylnaphthalene | 0.679 | 0.612 | | -9.867 | 20.0 |
| 2-Fluorobiphenyl | 1.690 | 1.540 | | -8.876 | 20.0 |
| Acenaphthylene | 1.929 | 1.672 | | -13.323 | 20.0 |
| Acenaphthene | 1.335 | 1.176 | | -11.91 | 20.0 |
| Fluorene | 1.662 | 1.463 | | -11.974 | 20.0 |
| 4,6-Dinitro-2-methylphenol | 0.044 | 0.032 | | -27.273 | 20.0 |
| 2,4,6-Tribromophenol | 0.118 | 0.087 | | -26.271 | 20.0 |
| 4-Bromophenyl-phenylether | 0.213 | 0.202 | | -5.164 | 20.0 |
| Hexachlorobenzene | 0.257 | 0.252 | | -1.946 | 20.0 |
| Atrazine | 0.154 | 0.133 | | -13.636 | 20.0 |
| Pentachlorophenol | 0.077 | 0.055 | | -28.571 | 20.0 |
| Phenanthrene | 1.227 | 1.162 | | -5.297 | 20.0 |
| Anthracene | 1.058 | 0.963 | | -8.979 | 20.0 |
| Fluoranthene | 1.291 | 1.135 | | -12.084 | 20.0 |
| Pyrene | 2.025 | 1.990 | | -1.728 | 20.0 |
| Terphenyl-d14 | 0.749 | 0.743 | | -0.801 | 20.0 |
| Benzo(a)anthracene | 1.559 | 1.423 | | -8.724 | 20.0 |
| Chrysene | 1.650 | 1.583 | | -4.061 | 20.0 |
| Bis(2-ethylhexyl)phthalate | 0.895 | 0.720 | | -19.553 | 20.0 |
| Benzo(b)fluoranthene | 1.757 | 1.752 | | -0.285 | 20.0 |
| Benzo(k)fluoranthene | 1.828 | 1.724 | | -5.689 | 20.0 |
| Benzo(a)pyrene | 1.396 | 1.339 | | -4.083 | 20.0 |
| Indeno(1,2,3-cd)pyrene | 1.782 | 1.680 | | -5.724 | 20.0 |
| Dibenzo(a,h)anthracene | 1.379 | 1.304 | | -5.439 | 20.0 |
| Benzo(g,h,i)perylene | 1.464 | 1.483 | | 1.298 | 20.0 |
| 1,4-Dioxane | 0.505 | 0.474 | | -6.139 | 20.0 |

All other compounds must meet a minimum RRF of 0.010.

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

# Report of Analysis

| | | | | | |
|---|---|---|---|---|---|
| Client: | | | | Date Collected: | |
| Project: | | | | Date Received: | |
| Client Sample ID: | SSTDCCC0.4 | | | SDG No.: | BN110724 |
| Lab Sample ID: | SSTDCCC0.4 | | | Matrix: | Water |
| Analytical Method: | 8270-Modified | | | % 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 |
|---|---|---|---|---|
| BN034884.D | 1 | | 11/7/2024 12:00:00 AM | |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 62-75-9 | n-Nitrosodimethylamine | 370 | | 30 | 200 | 200 | ug/L |
| 111-44-4 | bis(2-Chloroethyl)ether | 370 | | 28 | 100 | 100 | ug/L |
| 91-20-3 | Naphthalene | 370 | | 24 | 100 | 100 | ug/L |
| 87-68-3 | Hexachlorobutadiene | 380 | | 26 | 100 | 100 | ug/L |
| 91-57-6 | 2-Methylnaphthalene | 360 | | 30 | 100 | 100 | ug/L |
| 208-96-8 | Acenaphthylene | 350 | | 21 | 100 | 100 | ug/L |
| 83-32-9 | Acenaphthene | 350 | | 20 | 100 | 100 | ug/L |
| Total PAH | Total PAH | 6010 | | 456 | 100 | 1600 | ug/L |
| 86-73-7 | Fluorene | 350 | | 18 | 100 | 100 | ug/L |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 330 | | 140 | 200 | 200 | ug/L |
| 101-55-3 | 4-Bromophenyl-phenylether | 380 | | 26 | 100 | 100 | ug/L |
| 118-74-1 | Hexachlorobenzene | 400 | | 29 | 100 | 100 | ug/L |
| 1912-24-9 | Atrazine | 330 | | 23 | 100 | 100 | ug/L |
| 87-86-5 | Pentachlorophenol | 330 | | 90 | 200 | 200 | ug/L |
| 85-01-8 | Phenanthrene | 370 | | 20 | 100 | 100 | ug/L |
| 120-12-7 | Anthracene | 360 | | 24 | 100 | 100 | ug/L |
| 206-44-0 | Fluoranthene | 340 | | 23 | 100 | 100 | ug/L |
| 129-00-0 | Pyrene | 410 | | 22 | 100 | 100 | ug/L |
| 56-55-3 | Benzo(a)anthracene | 360 | | 22 | 100 | 100 | ug/L |
| 218-01-9 | Chrysene | 390 | | 26 | 100 | 100 | ug/L |
| 117-81-7 | Bis(2-ethylhexyl)phthalate | 320 | | 140 | 200 | 200 | ug/L |
| 205-99-2 | Benzo(b)fluoranthene | 410 | | 32 | 100 | 100 | ug/L |
| 207-08-9 | Benzo(k)fluoranthene | 380 | | 34 | 100 | 100 | ug/L |
| 50-32-8 | Benzo(a)pyrene | 380 | | 56 | 100 | 100 | ug/L |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 380 | | 38 | 100 | 100 | ug/L |
| 53-70-3 | Dibenzo(a,h)anthracene | 390 | | 39 | 100 | 100 | ug/L |
| 191-24-2 | Benzo(g,h,i)perylene | 420 | | 37 | 100 | 100 | ug/L |
| 123-91-1 | 1,4-Dioxane | 370 | | 68 | 200 | 200 | ug/L |

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# Report of Analysis

| | | | | | |
|---|---|---|---|---|---|
| Client: | | | | Date Collected: | |
| Project: | | | | Date Received: | |
| Client Sample ID: | SSTDCCC0.4 | | | SDG No.: | BN110724 |
| Lab Sample ID: | SSTDCCC0.4 | | | Matrix: | Water |
| Analytical Method: | 8270-Modified | | | % 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 |
|---|---|---|---|---|
| BN034884.D | 1 | | 11/7/2024 12:00:00 AM | |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **SURROGATES** | | | | | | | |
| 7297-45-2 | 2-Methylnaphthalene-d10 | 362 | * | 20-139 | | 90500 | SPK: -0.4 |
| 93951-69-0 | Fluoranthene-d10 | 344 | * | 30-150 | | 86000 | SPK: -0.4 |
| 367-12-4 | 2-Fluorophenol | 355 | * | 10-100 | | 88750 | SPK: -0.4 |
| 13127-88-3 | Phenol-d6 | 348 | * | 10-100 | | 87000 | SPK: -0.4 |
| 4165-60-0 | Nitrobenzene-d5 | 369 | * | 27-123 | | 92250 | SPK: -0.4 |
| 321-60-8 | 2-Fluorobiphenyl | 367 | * | 34-132 | | 91750 | SPK: -0.4 |
| 118-79-6 | 2,4,6-Tribromophenol | 326 | * | 10-131 | | 81500 | SPK: -0.4 |
| 1718-51-0 | Terphenyl-d14 | 405 | * | 35-157 | | 101250 | SPK: -0.4 |
| **INTERNAL STANDARDS** | | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 6014 | 7.575 | | | | |
| 1146-65-2 | Naphthalene-d8 | 17441 | 10.34 | | | | |
| 15067-26-2 | Acenaphthene-d10 | 8024 | 14.208 | | | | |
| 1517-22-2 | Phenanthrene-d10 | 15173 | 16.952 | | | | |
| 1719-03-5 | Chrysene-d12 | 8034 | 21.149 | | | | |
| 1520-96-3 | Perylene-d12 | 6346 | 23.315 | | | | |

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# Report of Analysis

| | | | | | |
|---|---|---|---|---|---|
| Client: | | | Date Collected: | | |
| Project: | | | Date Received: | | |
| Client Sample ID: | ICVBN110724 | | SDG No.: | BN110724 | |
| Lab Sample ID: | SSTDICV0.4 | | Matrix: | Water | |
| Analytical Method: | 8270-Modified | | % 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 |
|---|---|---|---|---|
| BN034892.D | 1 | | 11/7/2024 12:00:00 AM | |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 62-75-9 | n-Nitrosodimethylamine | 340 | | 30 | 200 | 200 | ug/L |
| 111-44-4 | bis(2-Chloroethyl)ether | 360 | | 28 | 100 | 100 | ug/L |
| 91-20-3 | Naphthalene | 380 | | 24 | 100 | 100 | ug/L |
| 87-68-3 | Hexachlorobutadiene | 380 | | 26 | 100 | 100 | ug/L |
| 91-57-6 | 2-Methylnaphthalene | 380 | | 30 | 100 | 100 | ug/L |
| 208-96-8 | Acenaphthylene | 350 | | 21 | 100 | 100 | ug/L |
| 83-32-9 | Acenaphthene | 360 | | 20 | 100 | 100 | ug/L |
| Total PAH | Total PAH | 5810 | | 456 | 100 | 1600 | ug/L |
| 86-73-7 | Fluorene | 360 | | 18 | 100 | 100 | ug/L |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 350 | | 140 | 200 | 200 | ug/L |
| 101-55-3 | 4-Bromophenyl-phenylether | 380 | | 26 | 100 | 100 | ug/L |
| 118-74-1 | Hexachlorobenzene | 390 | | 29 | 100 | 100 | ug/L |
| 1912-24-9 | Atrazine | 360 | | 23 | 100 | 100 | ug/L |
| 87-86-5 | Pentachlorophenol | 370 | | 90 | 200 | 200 | ug/L |
| 85-01-8 | Phenanthrene | 380 | | 20 | 100 | 100 | ug/L |
| 120-12-7 | Anthracene | 370 | | 24 | 100 | 100 | ug/L |
| 206-44-0 | Fluoranthene | 380 | | 23 | 100 | 100 | ug/L |
| 129-00-0 | Pyrene | 370 | | 22 | 100 | 100 | ug/L |
| 56-55-3 | Benzo(a)anthracene | 370 | | 22 | 100 | 100 | ug/L |
| 218-01-9 | Chrysene | 390 | | 26 | 100 | 100 | ug/L |
| 117-81-7 | Bis(2-ethylhexyl)phthalate | 330 | | 140 | 200 | 200 | ug/L |
| 205-99-2 | Benzo(b)fluoranthene | 380 | | 32 | 100 | 100 | ug/L |
| 207-08-9 | Benzo(k)fluoranthene | 360 | | 34 | 100 | 100 | ug/L |
| 50-32-8 | Benzo(a)pyrene | 350 | | 56 | 100 | 100 | ug/L |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 330 | | 38 | 100 | 100 | ug/L |
| 53-70-3 | Dibenzo(a,h)anthracene | 330 | | 39 | 100 | 100 | ug/L |
| 191-24-2 | Benzo(g,h,i)perylene | 350 | | 37 | 100 | 100 | ug/L |
| 123-91-1 | 1,4-Dioxane | 350 | | 68 | 200 | 200 | ug/L |

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# Report of Analysis

| | | | | | |
|---|---|---|---|---|---|
| Client: | | | | Date Collected: | |
| Project: | | | | Date Received: | |
| Client Sample ID: | ICVBN110724 | | | SDG No.: | BN110724 |
| Lab Sample ID: | SSTDICV0.4 | | | Matrix: | Water |
| Analytical Method: | 8270-Modified | | | % 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 |
|---|---|---|---|---|
| BN034892.D | 1 | | 11/7/2024 12:00:00 AM | |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **SURROGATES** | | | | | | | |
| 7297-45-2 | 2-Methylnaphthalene-d10 | 379 | * | 20-139 | | 94750 | SPK: -0.4 |
| 93951-69-0 | Fluoranthene-d10 | 383 | * | 30-150 | | 95750 | SPK: -0.4 |
| 367-12-4 | 2-Fluorophenol | 354 | * | 10-100 | | 88500 | SPK: -0.4 |
| 13127-88-3 | Phenol-d6 | 348 | * | 10-100 | | 87000 | SPK: -0.4 |
| 4165-60-0 | Nitrobenzene-d5 | 345 | * | 27-123 | | 86250 | SPK: -0.4 |
| 321-60-8 | 2-Fluorobiphenyl | 359 | * | 34-132 | | 89750 | SPK: -0.4 |
| 118-79-6 | 2,4,6-Tribromophenol | 383 | * | 10-131 | | 95750 | SPK: -0.4 |
| 1718-51-0 | Terphenyl-d14 | 385 | * | 35-157 | | 96250 | SPK: -0.4 |
| **INTERNAL STANDARDS** | | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 5596 | 7.575 | | | | |
| 1146-65-2 | Naphthalene-d8 | 16947 | 10.34 | | | | |
| 15067-26-2 | Acenaphthene-d10 | 8617 | 14.208 | | | | |
| 1517-22-2 | Phenanthrene-d10 | 17630 | 16.952 | | | | |
| 1719-03-5 | Chrysene-d12 | 11730 | 21.149 | | | | |
| 1520-96-3 | Perylene-d12 | 10292 | 23.315 | | | | |

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Fax : 908 789 8922

# Report of Analysis

| | | | | | |
|---|---|---|---|---|---|
| Client: | | | | Date Collected: | 10/17/2024 12:00:00 AM |
| Project: | | | | Date Received: | 10/17/2024 12:00:00 AM |
| Client Sample ID: | PB164229BL | | | SDG No.: | BN110724 |
| Lab Sample ID: | PB164229BL | | | Matrix: | Water |
| Analytical Method: | 8270-Modified | | | % Moisture: | 100 |
| Sample Wt/Vol: | 1000 | Units: | mL | 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 |
|---|---|---|---|---|
| BN034893.D | 1 | 10/17/2024 12:00:00 AM | 11/7/2024 12:00:00 AM | PB164229 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 62-75-9 | n-Nitrosodimethylamine | 0.03 | U | 0.03 | 0.2 | 0.2 | ug/L |
| 111-44-4 | bis(2-Chloroethyl)ether | 0.03 | U | 0.03 | 0.1 | 0.1 | ug/L |
| 91-20-3 | Naphthalene | 0.02 | U | 0.02 | 0.1 | 0.1 | ug/L |
| 87-68-3 | Hexachlorobutadiene | 0.03 | U | 0.03 | 0.1 | 0.1 | ug/L |
| 91-57-6 | 2-Methylnaphthalene | 0.03 | U | 0.03 | 0.1 | 0.1 | ug/L |
| 208-96-8 | Acenaphthylene | 0.02 | U | 0.02 | 0.1 | 0.1 | ug/L |
| 83-32-9 | Acenaphthene | 0.02 | U | 0.02 | 0.1 | 0.1 | ug/L |
| Total PAH | Total PAH | 0.45 | U | 0.45 | 0.1 | 1.6 | ug/L |
| 86-73-7 | Fluorene | 0.02 | U | 0.02 | 0.1 | 0.1 | ug/L |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 0.14 | U | 0.14 | 0.2 | 0.2 | ug/L |
| 101-55-3 | 4-Bromophenyl-phenylether | 0.03 | U | 0.03 | 0.1 | 0.1 | ug/L |
| 118-74-1 | Hexachlorobenzene | 0.03 | U | 0.03 | 0.1 | 0.1 | ug/L |
| 1912-24-9 | Atrazine | 0.02 | U | 0.02 | 0.1 | 0.1 | ug/L |
| 87-86-5 | Pentachlorophenol | 0.09 | U | 0.09 | 0.2 | 0.2 | ug/L |
| 85-01-8 | Phenanthrene | 0.02 | U | 0.02 | 0.1 | 0.1 | ug/L |
| 120-12-7 | Anthracene | 0.02 | U | 0.02 | 0.1 | 0.1 | ug/L |
| 206-44-0 | Fluoranthene | 0.02 | U | 0.02 | 0.1 | 0.1 | ug/L |
| 129-00-0 | Pyrene | 0.02 | U | 0.02 | 0.1 | 0.1 | ug/L |
| 56-55-3 | Benzo(a)anthracene | 0.02 | U | 0.02 | 0.1 | 0.1 | ug/L |
| 218-01-9 | Chrysene | 0.03 | U | 0.03 | 0.1 | 0.1 | ug/L |
| 117-81-7 | Bis(2-ethylhexyl)phthalate | 0.14 | U | 0.14 | 0.2 | 0.2 | ug/L |
| 205-99-2 | Benzo(b)fluoranthene | 0.03 | U | 0.03 | 0.1 | 0.1 | ug/L |
| 207-08-9 | Benzo(k)fluoranthene | 0.03 | U | 0.03 | 0.1 | 0.1 | ug/L |
| 50-32-8 | Benzo(a)pyrene | 0.06 | U | 0.06 | 0.1 | 0.1 | ug/L |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 0.04 | U | 0.04 | 0.1 | 0.1 | ug/L |
| 53-70-3 | Dibenzo(a,h)anthracene | 0.04 | U | 0.04 | 0.1 | 0.1 | ug/L |
| 191-24-2 | Benzo(g,h,i)perylene | 0.04 | U | 0.04 | 0.1 | 0.1 | ug/L |
| 123-91-1 | 1,4-Dioxane | 0.07 | U | 0.07 | 0.2 | 0.2 | ug/L |

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Fax : 908 789 8922

# Report of Analysis

| | | | | | |
|---|---|---|---|---|---|
| Client: | | | | Date Collected: | 10/17/2024 12:00:00 AM |
| Project: | | | | Date Received: | 10/17/2024 12:00:00 AM |
| Client Sample ID: | PB164229BL | | | SDG No.: | BN110724 |
| Lab Sample ID: | PB164229BL | | | Matrix: | Water |
| Analytical Method: | 8270-Modified | | | % Moisture: | 100 |
| Sample Wt/Vol: | 1000 | Units: | mL | 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 |
|---|---|---|---|---|
| BN034893.D | 1 | 10/17/2024 12:00:00 AM | 11/7/2024 12:00:00 AM | PB164229 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **SURROGATES** | | | | | | | |
| 7297-45-2 | 2-Methylnaphthalene-d10 | 0.379 | | 20-139 | | 95 | SPK: -0.4 |
| 93951-69-0 | Fluoranthene-d10 | 0.401 | | 30-150 | | 100 | SPK: -0.4 |
| 367-12-4 | 2-Fluorophenol | 0.364 | | 10-100 | | 91 | SPK: -0.4 |
| 13127-88-3 | Phenol-d6 | 0.358 | | 10-100 | | 90 | SPK: -0.4 |
| 4165-60-0 | Nitrobenzene-d5 | 0.38 | | 27-123 | | 95 | SPK: -0.4 |
| 321-60-8 | 2-Fluorobiphenyl | 0.405 | | 34-132 | | 101 | SPK: -0.4 |
| 118-79-6 | 2,4,6-Tribromophenol | 0.282 | | 10-131 | | 70 | SPK: -0.4 |
| 1718-51-0 | Terphenyl-d14 | 0.519 | | 35-157 | | 130 | SPK: -0.4 |
| **INTERNAL STANDARDS** | | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 6231 | 7.575 | | | | |
| 1146-65-2 | Naphthalene-d8 | 17894 | 10.34 | | | | |
| 15067-26-2 | Acenaphthene-d10 | 7932 | 14.208 | | | | |
| 1517-22-2 | Phenanthrene-d10 | 16492 | 16.952 | | | | |
| 1719-03-5 | Chrysene-d12 | 9359 | 21.149 | | | | |
| 1520-96-3 | Perylene-d12 | 7338 | 23.318 | | | | |

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | | Date Collected: | 10/9/2024 12:00:00 AM |
| Project: | | Date Received: | 10/9/2024 12:00:00 AM |
| Client Sample ID: | LOQ-SOIL-02-QT4-2024 | SDG No.: | BN110724 |
| Lab Sample ID: | P4368-02 | Matrix: | Solid |
| Analytical Method: | 8270-Modified | % Moisture: | 0 |
| Sample Wt/Vol: | 30.01 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 |
|---|---|---|---|---|
| BN034894.D | 1 | 10/17/2024 12:00:00 AM | 11/7/2024 12:00:00 AM | PB164230 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 62-75-9 | n-Nitrosodimethylamine | 6.8 | | 1.3 | 6.6 | 6.6 | ug/Kg |
| 111-44-4 | bis(2-Chloroethyl)ether | 7.3 | | 0.85 | 3.3 | 3.3 | ug/Kg |
| 91-20-3 | Naphthalene | 7.2 | | 0.69 | 3.3 | 3.3 | ug/Kg |
| 87-68-3 | Hexachlorobutadiene | 7 | | 0.69 | 3.3 | 3.3 | ug/Kg |
| 91-57-6 | 2-Methylnaphthalene | 7.1 | | 0.8 | 3.3 | 3.3 | ug/Kg |
| 208-96-8 | Acenaphthylene | 7 | | 0.63 | 3.3 | 3.3 | ug/Kg |
| 83-32-9 | Acenaphthene | 6.8 | | 0.55 | 3.3 | 3.3 | ug/Kg |
| 86-73-7 | Fluorene | 6.8 | | 0.6 | 3.3 | 3.3 | ug/Kg |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 6.1 | J | 4.2 | 6.6 | 6.6 | ug/Kg |
| 101-55-3 | 4-Bromophenyl-phenylether | 6.9 | | 0.79 | 3.3 | 3.3 | ug/Kg |
| 118-74-1 | Hexachlorobenzene | 7.1 | | 0.85 | 3.3 | 3.3 | ug/Kg |
| 1912-24-9 | Atrazine | 6.7 | | 0.76 | 3.3 | 3.3 | ug/Kg |
| 87-86-5 | Pentachlorophenol | 5.9 | J | 2.8 | 6.6 | 6.6 | ug/Kg |
| 85-01-8 | Phenanthrene | 7.3 | | 0.63 | 3.3 | 3.3 | ug/Kg |
| 120-12-7 | Anthracene | 7.4 | | 0.79 | 3.3 | 3.3 | ug/Kg |
| 206-44-0 | Fluoranthene | 7.1 | | 0.67 | 3.3 | 3.3 | ug/Kg |
| 129-00-0 | Pyrene | 7.1 | | 0.95 | 3.3 | 3.3 | ug/Kg |
| 56-55-3 | Benzo(a)anthracene | 7.3 | | 0.76 | 3.3 | 3.3 | ug/Kg |
| 218-01-9 | Chrysene | 7.6 | | 0.86 | 3.3 | 3.3 | ug/Kg |
| 117-81-7 | Bis(2-ethylhexyl)phthalate | 6.4 | J | 1.5 | 6.6 | 6.6 | ug/Kg |
| 205-99-2 | Benzo(b)fluoranthene | 8 | | 1.2 | 3.3 | 3.3 | ug/Kg |
| 207-08-9 | Benzo(k)fluoranthene | 7.3 | | 0.98 | 3.3 | 3.3 | ug/Kg |
| 50-32-8 | Benzo(a)pyrene | 7.1 | | 1.7 | 3.3 | 3.3 | ug/Kg |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 6.5 | | 1.3 | 3.3 | 3.3 | ug/Kg |
| 53-70-3 | Dibenzo(a,h)anthracene | 6.6 | | 1.2 | 3.3 | 3.3 | ug/Kg |
| 191-24-2 | Benzo(g,h,i)perylene | 7.1 | | 1.1 | 3.3 | 3.3 | ug/Kg |
| 123-91-1 | 1,4-Dioxane | 7 | | 2.2 | 6.6 | 6.6 | ug/Kg |
| **SURROGATES** | | | | | | | |

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Fax : 908 789 8922

# Report of Analysis

| | | | | | |
|---|---|---|---|---|---|
| Client: | | | | Date Collected: | 10/9/2024 12:00:00 AM |
| Project: | | | | Date Received: | 10/9/2024 12:00:00 AM |
| Client Sample ID: | LOQ-SOIL-02-QT4-2024 | | | SDG No.: | BN110724 |
| Lab Sample ID: | P4368-02 | | | Matrix: | Solid |
| Analytical Method: | 8270-Modified | | | % Moisture: | 0 |
| Sample Wt/Vol: | 30.01 | 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 |
|---|---|---|---|---|
| BN034894.D | 1 | 10/17/2024 12:00:00 AM | 11/7/2024 12:00:00 AM | PB164230 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| 7297-45-2 | 2-Methylnaphthalene-d10 | 0.563 | * | 17-161 | | | SPK: -0 |
| 93951-69-0 | Fluoranthene-d10 | 0.606 | * | 23-138 | | | SPK: -0 |
| 367-12-4 | 2-Fluorophenol | 0.312 | * | 28-122 | | | SPK: -0 |
| 13127-88-3 | Phenol-d6 | 0.317 | * | 25-125 | | | SPK: -0 |
| 4165-60-0 | Nitrobenzene-d5 | 0.354 | * | 33-121 | | | SPK: -0 |
| 321-60-8 | 2-Fluorobiphenyl | 0.349 | * | 32-121 | | | SPK: -0 |
| 118-79-6 | 2,4,6-Tribromophenol | 0.307 | * | 19-110 | | | SPK: -0 |
| 1718-51-0 | Terphenyl-d14 | 0.381 | * | 21-130 | | | SPK: -0 |
| **INTERNAL STANDARDS** | | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 5405 | 7.575 | | | | |
| 1146-65-2 | Naphthalene-d8 | 15883 | 10.34 | | | | |
| 15067-26-2 | Acenaphthene-d10 | 7600 | 14.211 | | | | |
| 1517-22-2 | Phenanthrene-d10 | 15509 | 16.957 | | | | |
| 1719-03-5 | Chrysene-d12 | 9605 | 21.142 | | | | |
| 1520-96-3 | Perylene-d12 | 7636 | 23.314 | | | | |

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | | Date Collected: | 10/9/2024 12:00:00 AM |
| Project: | | Date Received: | 10/9/2024 12:00:00 AM |
| Client Sample ID: | LOQ-WATER-02-QT4-2024 | SDG No.: | BN110724 |
| Lab Sample ID: | P4368-08 | Matrix: | Water |
| Analytical Method: | 8270-Modified | % Moisture: | 100 |
| Sample Wt/Vol: | 1000 Units: mL | 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 |
|---|---|---|---|---|
| BN034895.D | 1 | 10/17/2024 12:00:00 AM | 11/7/2024 12:00:00 AM | PB164229 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 62-75-9 | n-Nitrosodimethylamine | 0.22 | | 0.03 | 0.2 | 0.2 | ug/L |
| 111-44-4 | bis(2-Chloroethyl)ether | 0.22 | | 0.03 | 0.1 | 0.1 | ug/L |
| 91-20-3 | Naphthalene | 0.22 | | 0.02 | 0.1 | 0.1 | ug/L |
| 87-68-3 | Hexachlorobutadiene | 0.21 | | 0.03 | 0.1 | 0.1 | ug/L |
| 91-57-6 | 2-Methylnaphthalene | 0.22 | | 0.03 | 0.1 | 0.1 | ug/L |
| 208-96-8 | Acenaphthylene | 0.21 | | 0.02 | 0.1 | 0.1 | ug/L |
| 83-32-9 | Acenaphthene | 0.2 | | 0.02 | 0.1 | 0.1 | ug/L |
| 86-73-7 | Fluorene | 0.21 | | 0.02 | 0.1 | 0.1 | ug/L |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 0.19 | J | 0.14 | 0.2 | 0.2 | ug/L |
| 101-55-3 | 4-Bromophenyl-phenylether | 0.2 | | 0.03 | 0.1 | 0.1 | ug/L |
| 118-74-1 | Hexachlorobenzene | 0.22 | | 0.03 | 0.1 | 0.1 | ug/L |
| 1912-24-9 | Atrazine | 0.2 | | 0.02 | 0.1 | 0.1 | ug/L |
| 87-86-5 | Pentachlorophenol | 0.18 | J | 0.09 | 0.2 | 0.2 | ug/L |
| 85-01-8 | Phenanthrene | 0.22 | | 0.02 | 0.1 | 0.1 | ug/L |
| 120-12-7 | Anthracene | 0.22 | | 0.02 | 0.1 | 0.1 | ug/L |
| 206-44-0 | Fluoranthene | 0.21 | | 0.02 | 0.1 | 0.1 | ug/L |
| 129-00-0 | Pyrene | 0.21 | | 0.02 | 0.1 | 0.1 | ug/L |
| 56-55-3 | Benzo(a)anthracene | 0.22 | | 0.02 | 0.1 | 0.1 | ug/L |
| 218-01-9 | Chrysene | 0.22 | | 0.03 | 0.1 | 0.1 | ug/L |
| 117-81-7 | Bis(2-ethylhexyl)phthalate | 0.19 | J | 0.14 | 0.2 | 0.2 | ug/L |
| 205-99-2 | Benzo(b)fluoranthene | 0.23 | | 0.03 | 0.1 | 0.1 | ug/L |
| 207-08-9 | Benzo(k)fluoranthene | 0.22 | | 0.03 | 0.1 | 0.1 | ug/L |
| 50-32-8 | Benzo(a)pyrene | 0.22 | | 0.06 | 0.1 | 0.1 | ug/L |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 0.2 | | 0.04 | 0.1 | 0.1 | ug/L |
| 53-70-3 | Dibenzo(a,h)anthracene | 0.2 | | 0.04 | 0.1 | 0.1 | ug/L |
| 191-24-2 | Benzo(g,h,i)perylene | 0.21 | | 0.04 | 0.1 | 0.1 | ug/L |
| 123-91-1 | 1,4-Dioxane | 0.23 | | 0.07 | 0.2 | 0.2 | ug/L |
| **SURROGATES** | | | | | | | |

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# Report of Analysis

| | | | | | |
|---|---|---|---|---|---|
| Client: | | | | Date Collected: | 10/9/2024 12:00:00 AM |
| Project: | | | | Date Received: | 10/9/2024 12:00:00 AM |
| Client Sample ID: | LOQ-WATER-02-QT4-2024 | | | SDG No.: | BN110724 |
| Lab Sample ID: | P4368-08 | | | Matrix: | Water |
| Analytical Method: | 8270-Modified | | | % Moisture: | 100 |
| Sample Wt/Vol: | 1000 | Units: | mL | 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 |
|---|---|---|---|---|
| BN034895.D | 1 | 10/17/2024 12:00:00 AM | 11/7/2024 12:00:00 AM | PB164229 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| 7297-45-2 | 2-Methylnaphthalene-d10 | 0.568 | * | 20-139 | | | SPK: -0 |
| 93951-69-0 | Fluoranthene-d10 | 0.609 | * | 30-150 | | | SPK: -0 |
| 367-12-4 | 2-Fluorophenol | 0.317 | * | 10-100 | | | SPK: -0 |
| 13127-88-3 | Phenol-d6 | 0.32 | * | 10-100 | | | SPK: -0 |
| 4165-60-0 | Nitrobenzene-d5 | 0.358 | * | 27-123 | | | SPK: -0 |
| 321-60-8 | 2-Fluorobiphenyl | 0.35 | * | 34-132 | | | SPK: -0 |
| 118-79-6 | 2,4,6-Tribromophenol | 0.305 | * | 10-131 | | | SPK: -0 |
| 1718-51-0 | Terphenyl-d14 | 0.378 | * | 35-157 | | | SPK: -0 |
| **INTERNAL STANDARDS** | | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 4901 | 7.575 | | | | |
| 1146-65-2 | Naphthalene-d8 | 14321 | 10.34 | | | | |
| 15067-26-2 | Acenaphthene-d10 | 6899 | 14.208 | | | | |
| 1517-22-2 | Phenanthrene-d10 | 14131 | 16.952 | | | | |
| 1719-03-5 | Chrysene-d12 | 8914 | 21.14 | | | | |
| 1520-96-3 | Perylene-d12 | 7193 | 23.315 | | | | |

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# Hit Summary Sheet
**SW-846**

**SDG No.:** BN110724

**Client:**

| Sample ID | Client ID | | Parameter | Concentration | C | MDL | RDL | Units |
|---|---|---|---|---|---|---|---|---|
| **Client ID : SSTDCCC0.4** | | | | | | | | |
| SSTDCCC0.4 | SSTDCCC0.4 | Water | 1,4-Dioxane | 370.000 | | 68 | 200 | ug/L |
| SSTDCCC0.4 | SSTDCCC0.4 | Water | 2-Methylnaphthalene | 360.000 | | 30 | 100 | ug/L |
| SSTDCCC0.4 | SSTDCCC0.4 | Water | 4,6-Dinitro-2-methylphenol | 330.000 | | 140 | 200 | ug/L |
| SSTDCCC0.4 | SSTDCCC0.4 | Water | 4-Bromophenyl-phenylether | 380.000 | | 26 | 100 | ug/L |
| SSTDCCC0.4 | SSTDCCC0.4 | Water | Acenaphthene | 350.000 | | 20 | 100 | ug/L |
| SSTDCCC0.4 | SSTDCCC0.4 | Water | Acenaphthylene | 350.000 | | 21 | 100 | ug/L |
| SSTDCCC0.4 | SSTDCCC0.4 | Water | Anthracene | 360.000 | | 24 | 100 | ug/L |
| SSTDCCC0.4 | SSTDCCC0.4 | Water | Atrazine | 330.000 | | 23 | 100 | ug/L |
| SSTDCCC0.4 | SSTDCCC0.4 | Water | Benzo(a)anthracene | 360.000 | | 22 | 100 | ug/L |
| SSTDCCC0.4 | SSTDCCC0.4 | Water | Benzo(a)pyrene | 380.000 | | 56 | 100 | ug/L |
| SSTDCCC0.4 | SSTDCCC0.4 | Water | Benzo(b)fluoranthene | 410.000 | | 32 | 100 | ug/L |
| SSTDCCC0.4 | SSTDCCC0.4 | Water | Benzo(g,h,i)perylene | 420.000 | | 37 | 100 | ug/L |
| SSTDCCC0.4 | SSTDCCC0.4 | Water | Benzo(k)fluoranthene | 380.000 | | 34 | 100 | ug/L |
| SSTDCCC0.4 | SSTDCCC0.4 | Water | bis(2-Chloroethyl)ether | 370.000 | | 28 | 100 | ug/L |
| SSTDCCC0.4 | SSTDCCC0.4 | Water | Bis(2-ethylhexyl)phthalate | 320.000 | | 140 | 200 | ug/L |
| SSTDCCC0.4 | SSTDCCC0.4 | Water | Chrysene | 390.000 | | 26 | 100 | ug/L |
| SSTDCCC0.4 | SSTDCCC0.4 | Water | Dibenzo(a,h)anthracene | 390.000 | | 39 | 100 | ug/L |
| SSTDCCC0.4 | SSTDCCC0.4 | Water | Fluoranthene | 340.000 | | 23 | 100 | ug/L |
| SSTDCCC0.4 | SSTDCCC0.4 | Water | Fluorene | 350.000 | | 18 | 100 | ug/L |
| SSTDCCC0.4 | SSTDCCC0.4 | Water | Hexachlorobenzene | 400.000 | | 29 | 100 | ug/L |
| SSTDCCC0.4 | SSTDCCC0.4 | Water | Hexachlorobutadiene | 380.000 | | 26 | 100 | ug/L |
| SSTDCCC0.4 | SSTDCCC0.4 | Water | Indeno(1,2,3-cd)pyrene | 380.000 | | 38 | 100 | ug/L |
| SSTDCCC0.4 | SSTDCCC0.4 | Water | n-Nitrosodimethylamine | 370.000 | | 30 | 200 | ug/L |
| SSTDCCC0.4 | SSTDCCC0.4 | Water | Naphthalene | 370.000 | | 24 | 100 | ug/L |
| SSTDCCC0.4 | SSTDCCC0.4 | Water | Pentachlorophenol | 330.000 | | 90 | 200 | ug/L |
| SSTDCCC0.4 | SSTDCCC0.4 | Water | Phenanthrene | 370.000 | | 20 | 100 | ug/L |
| SSTDCCC0.4 | SSTDCCC0.4 | Water | Pyrene | 410.000 | | 22 | 100 | ug/L |
| SSTDCCC0.4 | SSTDCCC0.4 | Water | Total PAH | 6,010.000 | | 456 | 1600 | ug/L |
| | | | **Total Svoc :** | **15,960.00** | | | | |
| | | | **Total Concentration:** | **15,960.00** | | | | |
| **Client ID : ICVBN110724** | | | | | | | | |
| SSTDICV0.4 | ICVBN110724 | Water | 1,4-Dioxane | 350.000 | | 68 | 200 | ug/L |
| SSTDICV0.4 | ICVBN110724 | Water | 2-Methylnaphthalene | 380.000 | | 30 | 100 | ug/L |
| SSTDICV0.4 | ICVBN110724 | Water | 4,6-Dinitro-2-methylphenol | 350.000 | | 140 | 200 | ug/L |
| SSTDICV0.4 | ICVBN110724 | Water | 4-Bromophenyl-phenylether | 380.000 | | 26 | 100 | ug/L |
| SSTDICV0.4 | ICVBN110724 | Water | Acenaphthene | 360.000 | | 20 | 100 | ug/L |
| SSTDICV0.4 | ICVBN110724 | Water | Acenaphthylene | 350.000 | | 21 | 100 | ug/L |

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Fax : 908 789 8922

# Hit Summary Sheet
**SW-846**

**SDG No.:** BN110724

**Client:**

| Sample ID | Client ID | | Parameter | Concentration | C | MDL | RDL | Units |
|---|---|---|---|---|---|---|---|---|
| SSTDICV0.4 | ICVBN110724 | Water | Anthracene | 370.000 | | 24 | 100 | ug/L |
| SSTDICV0.4 | ICVBN110724 | Water | Atrazine | 360.000 | | 23 | 100 | ug/L |
| SSTDICV0.4 | ICVBN110724 | Water | Benzo(a)anthracene | 370.000 | | 22 | 100 | ug/L |
| SSTDICV0.4 | ICVBN110724 | Water | Benzo(a)pyrene | 350.000 | | 56 | 100 | ug/L |
| SSTDICV0.4 | ICVBN110724 | Water | Benzo(b)fluoranthene | 380.000 | | 32 | 100 | ug/L |
| SSTDICV0.4 | ICVBN110724 | Water | Benzo(g,h,i)perylene | 350.000 | | 37 | 100 | ug/L |
| SSTDICV0.4 | ICVBN110724 | Water | Benzo(k)fluoranthene | 360.000 | | 34 | 100 | ug/L |
| SSTDICV0.4 | ICVBN110724 | Water | bis(2-Chloroethyl)ether | 360.000 | | 28 | 100 | ug/L |
| SSTDICV0.4 | ICVBN110724 | Water | Bis(2-ethylhexyl)phthalate | 330.000 | | 140 | 200 | ug/L |
| SSTDICV0.4 | ICVBN110724 | Water | Chrysene | 390.000 | | 26 | 100 | ug/L |
| SSTDICV0.4 | ICVBN110724 | Water | Dibenzo(a,h)anthracene | 330.000 | | 39 | 100 | ug/L |
| SSTDICV0.4 | ICVBN110724 | Water | Fluoranthene | 380.000 | | 23 | 100 | ug/L |
| SSTDICV0.4 | ICVBN110724 | Water | Fluorene | 360.000 | | 18 | 100 | ug/L |
| SSTDICV0.4 | ICVBN110724 | Water | Hexachlorobenzene | 390.000 | | 29 | 100 | ug/L |
| SSTDICV0.4 | ICVBN110724 | Water | Hexachlorobutadiene | 380.000 | | 26 | 100 | ug/L |
| SSTDICV0.4 | ICVBN110724 | Water | Indeno(1,2,3-cd)pyrene | 330.000 | | 38 | 100 | ug/L |
| SSTDICV0.4 | ICVBN110724 | Water | n-Nitrosodimethylamine | 340.000 | | 30 | 200 | ug/L |
| SSTDICV0.4 | ICVBN110724 | Water | Naphthalene | 380.000 | | 24 | 100 | ug/L |
| SSTDICV0.4 | ICVBN110724 | Water | Pentachlorophenol | 370.000 | | 90 | 200 | ug/L |
| SSTDICV0.4 | ICVBN110724 | Water | Phenanthrene | 380.000 | | 20 | 100 | ug/L |
| SSTDICV0.4 | ICVBN110724 | Water | Pyrene | 370.000 | | 22 | 100 | ug/L |
| SSTDICV0.4 | ICVBN110724 | Water | Total PAH | 5,810.000 | | 456 | 1600 | ug/L |
| | | | **Total Svoc :** | **15,610.00** | | | | |
| | | | **Total Concentration:** | **15,610.00** | | | | |

CHEMTECH

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BN110724 SAS No.: BN110724 SDG No.: BN110724

Instrument ID: Calibration Date(s): 11/7/2024

Calibration Time(s): 10:02

LAB FILE ID: RRF0.1 = BN034885.D RRF0.2 = BN034886.D RRF0.4 = BN034887.D
RRF0.8 = BN034888.D RRF1.6 = BN034889.D RRF3.2 = BN034890.D

| COMPOUND | RRF0.1 | RRF0.2 | RRF0.4 | RRF0.8 | RRF1.6 | RRF3.2 | RRF | % RSD |
|---|---|---|---|---|---|---|---|---|
| 2-Methylnaphthalene-d10 | 0.527 | 0.519 | 0.491 | 0.579 | 0.577 | 0.548 | 0.545 | 6.3 |
| Fluoranthene-d10 | 0.801 | 0.845 | 0.801 | 0.971 | 0.976 | 0.947 | 0.902 | 9.2 |
| n-Nitrosodimethylamine | 0.697 | 0.715 | 0.621 | 0.753 | 0.712 | 0.643 | 0.682 | 7.3 |
| 2-Fluorophenol | 1.137 | 1.131 | 1.007 | 1.180 | 1.146 | 1.082 | 1.115 | 5.0 |
| Phenol-d6 | 1.438 | 1.439 | 1.299 | 1.582 | 1.550 | 1.495 | 1.480 | 6.6 |
| bis(2-Chloroethyl)ether | 1.316 | 1.267 | 1.170 | 1.389 | 1.336 | 1.230 | 1.277 | 5.8 |
| Nitrobenzene-d5 | 0.314 | 0.301 | 0.280 | 0.327 | 0.324 | 0.313 | 0.312 | 5.4 |
| Naphthalene | 1.110 | 1.086 | 1.028 | 1.181 | 1.166 | 1.089 | 1.110 | 4.6 |
| Hexachlorobutadiene | 0.183 | 0.180 | 0.167 | 0.189 | 0.182 | 0.168 | 0.177 | 4.9 |
| 2-Methylnaphthalene | 0.647 | 0.641 | 0.612 | 0.725 | 0.723 | 0.691 | 0.679 | 6.8 |
| 2-Fluorobiphenyl | 1.753 | 1.737 | 1.540 | 1.788 | 1.747 | 1.620 | 1.690 | 5.3 |
| Acenaphthylene | 1.833 | 1.826 | 1.672 | 2.034 | 2.040 | 2.003 | 1.929 | 8.0 |
| Acenaphthene | 1.292 | 1.281 | 1.176 | 1.430 | 1.412 | 1.352 | 1.335 | 6.8 |
| Fluorene | 1.614 | 1.600 | 1.463 | 1.774 | 1.779 | 1.680 | 1.662 | 6.8 |
| 4,6-Dinitro-2-methylphenol | | 0.033 | 0.032 | 0.040 | 0.044 | 0.052 | 0.044 | 26.2 |
| 2,4,6-Tribromophenol | 0.083 | 0.094 | 0.087 | 0.121 | 0.129 | 0.142 | 0.118 | 26.5 |
| 4-Bromophenyl-phenylether | 0.212 | 0.201 | 0.202 | 0.220 | 0.219 | 0.216 | 0.213 | 4.1 |
| Hexachlorobenzene | 0.262 | 0.255 | 0.252 | 0.268 | 0.260 | 0.252 | 0.257 | 2.6 |
| Atrazine | 0.128 | 0.136 | 0.133 | 0.162 | 0.169 | 0.173 | 0.154 | 13.8 |
| Pentachlorophenol | | 0.055 | 0.055 | 0.074 | 0.079 | 0.092 | 0.077 | 26.6 |
| Phenanthrene | 1.218 | 1.168 | 1.162 | 1.303 | 1.276 | 1.239 | 1.227 | 4.2 |
| Anthracene | 0.965 | 0.963 | 0.963 | 1.121 | 1.116 | 1.119 | 1.058 | 8.4 |
| Fluoranthene | 1.112 | 1.183 | 1.135 | 1.414 | 1.418 | 1.385 | 1.291 | 10.9 |
| Pyrene | 2.180 | 2.005 | 1.990 | 2.107 | 2.033 | 1.945 | 2.025 | 4.5 |
| Terphenyl-d14 | 0.788 | 0.750 | 0.743 | 0.777 | 0.750 | 0.715 | 0.749 | 3.5 |
| Benzo(a)anthracene | 1.450 | 1.472 | 1.423 | 1.663 | 1.663 | 1.622 | 1.559 | 6.8 |
| Chrysene | 1.632 | 1.632 | 1.583 | 1.768 | 1.709 | 1.625 | 1.650 | 3.9 |
| Bis(2-ethylhexyl)phthalate | 0.984 | 0.873 | 0.720 | 0.881 | 0.838 | 0.922 | 0.895 | 11.8 |
| Benzo(b)fluoranthene | 1.685 | 1.601 | 1.752 | 1.900 | 1.814 | 1.765 | 1.757 | 5.4 |
| Benzo(k)fluoranthene | 1.763 | 1.746 | 1.724 | 1.982 | 1.931 | 1.812 | 1.828 | 5.3 |
| Benzo(a)pyrene | 1.308 | 1.249 | 1.339 | 1.475 | 1.469 | 1.438 | 1.396 | 6.9 |
| Indeno(1,2,3-cd)pyrene | 1.810 | 1.753 | 1.680 | 1.845 | 1.868 | 1.733 | 1.782 | 3.7 |
| Dibenzo(a,h)anthracene | 1.389 | 1.356 | 1.304 | 1.423 | 1.447 | 1.347 | 1.379 | 3.5 |
| Benzo(g,h,i)perylene | 1.482 | 1.434 | 1.483 | 1.485 | 1.509 | 1.407 | 1.464 | 2.4 |
| 1,4-Dioxane | 0.563 | 0.562 | 0.474 | 0.530 | 0.498 | 0.470 | 0.505 | 9.4 |

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.: BN110724 SAS No.: BN110724 SDG NO.: BN110724

EPA Sample No.: SSTDICCC0.4 Date Analyzed: Nov 7 2024 12:00AM

Lab File ID: BN034887.D Time Analyzed: 09:18

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

| | | IS1 (DCB) AREA # | RT # | IS2 (NPT) AREA # | RT # | IS3 (ANT) AREA # | RT # |
|---|---|---|---|---|---|---|---|
| | 12 HOUR STD | 5878 | 7.575 | 16847 | 10.34 | 7757 | 14.21 |
| | UPPER LIMIT | 11756 | 8.075 | 33694 | 10.84 | 15514 | 14.711 |
| | LOWER LIMIT | 2939 | 7.075 | 8423.5 | 9.84 | 3878.5 | 13.711 |
| | EPA SAMPLE NO. | | | | | | |
| 01 | SSTDCCC0.4 | 6014 | 7.58 | 17441 | 10.34 | 8024 | 14.21 |
| 02 | ICVBN110724 | 5596 | 7.58 | 16947 | 10.34 | 8617 | 14.21 |
| 03 | PB164229BL | 6231 | 7.58 | 17894 | 10.34 | 7932 | 14.21 |

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.: BN110724 SAS No.: BN110724 SDG NO.: BN110724

EPA Sample No.: SSTDICCC0.4 Date Analyzed: Nov 7 2024 12:00AM

Lab File ID: BN034887.D Time Analyzed: 14:24

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

| | | IS1 (DCB) AREA # | RT # | IS2 (NPT) AREA # | RT # | IS3 (ANT) AREA # | RT # |
|---|---|---|---|---|---|---|---|
| | 12 HOUR STD | 5878 | 7.575 | 16847 | 10.34 | 7757 | 14.21 |
| | UPPER LIMIT | 11756 | 8.075 | 33694 | 10.84 | 15514 | 14.711 |
| | LOWER LIMIT | 2939 | 7.075 | 8423.5 | 9.84 | 3878.5 | 13.711 |
| | EPA SAMPLE NO. | | | | | | |
| 01 | ICVBN110724 | 5596 | 7.58 | 16947 | 10.34 | 8617 | 14.21 |
| 02 | PB164229BL | 6231 | 7.58 | 17894 | 10.34 | 7932 | 14.21 |

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.: BN110724 SAS No.: BN110724 SDG NO.: BN110724

EPA Sample No.: SSTDICCC0.4 Date Analyzed: Nov 7 2024 12:00AM

Lab File ID: BN034887.D Time Analyzed: 09:18

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

| | | IS4 (PHN) AREA # | RT # | IS5 (CRY) AREA # | RT # | IS6 (PRY) AREA # | RT # |
|---|---|---|---|---|---|---|---|
| | 12 HOUR STD | 14504 | 16.957 | 8221 | 21.151 | 6835 | 23.317 |
| | UPPER LIMIT | 29008 | 17.457 | 16442 | 21.651 | 13670 | 23.817 |
| | LOWER LIMIT | 7252 | 16.457 | 4110.5 | 20.651 | 3417.5 | 22.817 |
| | EPA SAMPLE NO. | | | | | | |
| 01 | SSTDCCC0.4 | 15173 | 16.95 | 8034 | 21.15 | 6346 | 23.32 |
| 02 | ICVBN110724 | 17630 | 16.95 | 11730 | 21.15 | 10292 | 23.32 |
| 03 | PB164229BL | 16492 | 16.95 | 9359 | 21.15 | 7338 | 23.32 |

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.: BN110724 SAS No.: BN110724 SDG NO.: BN110724

EPA Sample No.: SSTDICCC0.4 Date Analyzed: Nov 7 2024 12:00AM

Lab File ID: BN034887.D Time Analyzed: 14:24

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

| | | IS4 (PHN) AREA # | RT # | IS5 (CRY) AREA # | RT # | IS6 (PRY) AREA # | RT # |
|---|---|---|---|---|---|---|---|
| | 12 HOUR STD | 14504 | 16.957 | 8221 | 21.151 | 6835 | 23.317 |
| | UPPER LIMIT | 29008 | 17.457 | 16442 | 21.651 | 13670 | 23.817 |
| | LOWER LIMIT | 7252 | 16.457 | 4110.5 | 20.651 | 3417.5 | 22.817 |
| | EPA SAMPLE NO. | | | | | | |
| 01 | ICVBN110724 | 17630 | 16.95 | 11730 | 21.15 | 10292 | 23.32 |
| 02 | PB164229BL | 16492 | 16.95 | 9359 | 21.15 | 7338 | 23.32 |

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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# Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

**SW-846**

**SDG No.:** BN110724

**Client:**

**Analytical Method:** 8270-Modified **DataFile:**

| Lab Sample ID | Parameter | Spike | Result | Unit | Rec | RPD | Qual | RPD Qual | Limits Low | Limits High | Limits RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|
| P4368-08 | n-Nitrosodimethylamine | 0.2 | 0.22 | ug/L | 110 | | | | 70 | 130 | |
| | bis(2-Chloroethyl)ether | 0.1 | 0.22 | ug/L | 220 | | * | | 70 | 130 | |
| | Naphthalene | 0.1 | 0.22 | ug/L | 220 | | * | | 70 | 130 | |
| | Hexachlorobutadiene | 0.1 | 0.21 | ug/L | 210 | | * | | 70 | 130 | |
| | 2-Methylnaphthalene | 0.1 | 0.22 | ug/L | 220 | | * | | 70 | 130 | |
| | Acenaphthylene | 0.1 | 0.21 | ug/L | 210 | | * | | 70 | 130 | |
| | Acenaphthene | 0.1 | 0.2 | ug/L | 200 | | * | | 70 | 130 | |
| | Fluorene | 0.1 | 0.21 | ug/L | 210 | | * | | 70 | 130 | |
| | 4,6-Dinitro-2-methylphenol | 0.2 | 0.19 | ug/L | 95 | | | | 70 | 130 | |
| | 4-Bromophenyl-phenylether | 0.1 | 0.2 | ug/L | 200 | | * | | 70 | 130 | |
| | Hexachlorobenzene | 0.1 | 0.22 | ug/L | 220 | | * | | 70 | 130 | |
| | Atrazine | 0.1 | 0.2 | ug/L | 200 | | * | | 70 | 130 | |
| | Pentachlorophenol | 0.2 | 0.18 | ug/L | 90 | | | | 70 | 130 | |
| | Phenanthrene | 0.1 | 0.22 | ug/L | 220 | | * | | 70 | 130 | |
| | Anthracene | 0.1 | 0.22 | ug/L | 220 | | * | | 70 | 130 | |
| | Fluoranthene | 0.1 | 0.21 | ug/L | 210 | | * | | 70 | 130 | |
| | Pyrene | 0.1 | 0.21 | ug/L | 210 | | * | | 70 | 130 | |
| | Benzo(a)anthracene | 0.1 | 0.22 | ug/L | 220 | | * | | 70 | 130 | |
| | Chrysene | 0.1 | 0.22 | ug/L | 220 | | * | | 70 | 130 | |
| | bis(2-Ethylhexyl)phthalate | 0.2 | 0.19 | ug/L | 95 | | | | 70 | 130 | |
| | Benzo(b)fluoranthene | 0.1 | 0.23 | ug/L | 230 | | * | | 70 | 130 | |
| | Benzo(k)fluoranthene | 0.1 | 0.22 | ug/L | 220 | | * | | 70 | 130 | |
| | Benzo(a)pyrene | 0.1 | 0.22 | ug/L | 220 | | * | | 70 | 130 | |
| | Indeno(1,2,3-cd)pyrene | 0.1 | 0.2 | ug/L | 200 | | * | | 70 | 130 | |
| | Dibenz(a,h)anthracene | 0.1 | 0.2 | ug/L | 200 | | * | | 70 | 130 | |
| | Benzo(g,h,i)perylene | 0.1 | 0.21 | ug/L | 210 | | * | | 70 | 130 | |
| | 1,4-Dioxane | 0.2 | 0.23 | ug/L | 115 | | | | 70 | 130 | |

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# Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

**SW-846**

**SDG No.:** BN110724

**Client:**

**Analytical Method:** 8270-Modified **DataFile:**

| Lab Sample ID | Parameter | Spike | Result | Unit | Rec | RPD | Qual | RPD Qual | Limits Low | Limits High | Limits RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|
| P4368-02 | n-Nitrosodimethylamine | 6.6 | 6.8 | ug/Kg | 103 | | | | 70 | 130 | |
| | bis(2-Chloroethyl)ether | 3.3 | 7.3 | ug/Kg | 221 | | * | | 70 | 130 | |
| | Naphthalene | 3.3 | 7.2 | ug/Kg | 218 | | * | | 70 | 130 | |
| | Hexachlorobutadiene | 3.3 | 7 | ug/Kg | 212 | | * | | 70 | 130 | |
| | 2-Methylnaphthalene | 3.3 | 7.1 | ug/Kg | 215 | | * | | 70 | 130 | |
| | Acenaphthylene | 3.3 | 7 | ug/Kg | 212 | | * | | 70 | 130 | |
| | Acenaphthene | 3.3 | 6.8 | ug/Kg | 206 | | * | | 70 | 130 | |
| | Fluorene | 3.3 | 6.8 | ug/Kg | 206 | | * | | 70 | 130 | |
| | 4,6-Dinitro-2-methylphenol | 6.6 | 6.1 | ug/Kg | 92 | | | | 70 | 130 | |
| | 4-Bromophenyl-phenylether | 3.3 | 6.9 | ug/Kg | 209 | | * | | 70 | 130 | |
| | Hexachlorobenzene | 3.3 | 7.1 | ug/Kg | 215 | | * | | 70 | 130 | |
| | Atrazine | 3.3 | 6.7 | ug/Kg | 203 | | * | | 70 | 130 | |
| | Pentachlorophenol | 6.6 | 5.9 | ug/Kg | 89 | | | | 70 | 130 | |
| | Phenanthrene | 3.3 | 7.3 | ug/Kg | 221 | | * | | 70 | 130 | |
| | Anthracene | 3.3 | 7.4 | ug/Kg | 224 | | * | | 70 | 130 | |
| | Fluoranthene | 3.3 | 7.1 | ug/Kg | 215 | | * | | 70 | 130 | |
| | Pyrene | 3.3 | 7.1 | ug/Kg | 215 | | * | | 70 | 130 | |
| | Benzo(a)anthracene | 3.3 | 7.3 | ug/Kg | 221 | | * | | 70 | 130 | |
| | Chrysene | 3.3 | 7.6 | ug/Kg | 230 | | * | | 70 | 130 | |
| | bis(2-Ethylhexyl)phthalate | 6.6 | 6.4 | ug/Kg | 97 | | | | 70 | 130 | |
| | Benzo(b)fluoranthene | 3.3 | 8 | ug/Kg | 242 | | * | | 70 | 130 | |
| | Benzo(k)fluoranthene | 3.3 | 7.3 | ug/Kg | 221 | | * | | 70 | 130 | |
| | Benzo(a)pyrene | 3.3 | 7.1 | ug/Kg | 215 | | * | | 70 | 130 | |
| | Indeno(1,2,3-cd)pyrene | 3.3 | 6.5 | ug/Kg | 197 | | * | | 70 | 130 | |
| | Dibenz(a,h)anthracene | 3.3 | 6.6 | ug/Kg | 200 | | * | | 70 | 130 | |
| | Benzo(g,h,i)perylene | 3.3 | 7.1 | ug/Kg | 215 | | * | | 70 | 130 | |
| | 1,4-Dioxane | 6.6 | 7 | ug/Kg | 106 | | | | 70 | 130 | |

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4B

# SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SSTDCCC0.4

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BN110724 SAS No.: BN110724 SDG NO.: BN110724

Lab File ID: BN034884.D Lab Sample ID: SSTDCCC0.4

Instrument ID: BNA_N Date Extracted:

Matrix: (soil/water) Water Date Analyzed: 11/07/2024

Level: (low/med) LOW Time Analyzed: 09:18

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

| EPA SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED |
|---|---|---|---|
| SSTDCCC0.4 | SSTDCCC0.4 | BN034884.D | 11/07/2024 |
| ICVBN110724 | SSTDICV0.4 | BN034892.D | 11/07/2024 |

COMMENTS:

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB164229BL

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BN110724 SAS No.: BN110724 SDG NO.: BN110724

Lab File ID: BN034893.D Lab Sample ID: PB164229BL

Instrument ID: BNA_N Date Extracted: 10/17/2024

Matrix: (soil/water) Water Date Analyzed: 11/07/2024

Level: (low/med) LOW Time Analyzed: 15:04

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

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

COMMENTS:

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# Surrogate Summary

**SW-846**

**SDG No.:** BN110724

**Client:**

**Analytical Method:** 8270-Modified

| Lab Sample ID | Client ID | Datafile | Parameter | Spike (PPM) | Result (PPM) | Recovery (%) | Qual | Limits (%) Low | Limits (%) High |
|---|---|---|---|---|---|---|---|---|---|
| SSTDCCC0.4 | SSTDCCC0.4 | BN034884.D | 2-Methylnaphthalene-d10 | 0.4 | 362.00 | 90500 | * | 20 | 139 |
| | | | Fluoranthene-d10 | 0.4 | 344.00 | 86000 | * | 30 | 150 |
| | | | 2-Fluorophenol | 0.4 | 355.00 | 88750 | * | 10 | 100 |
| | | | Phenol-d6 | 0.4 | 348.00 | 87000 | * | 10 | 100 |
| | | | Nitrobenzene-d5 | 0.4 | 369.00 | 92250 | * | 27 | 123 |
| | | | 2-Fluorobiphenyl | 0.4 | 367.00 | 91750 | * | 34 | 132 |
| | | | 2,4,6-Tribromophenol | 0.4 | 326.00 | 81500 | * | 10 | 131 |
| | | | Terphenyl-d14 | 0.4 | 405.00 | 101250 | * | 35 | 157 |
| SSTDICV0.4 | ICVBN110724 | BN034892.D | 2-Methylnaphthalene-d10 | 0.4 | 379.00 | 94750 | * | 20 | 139 |
| | | | Fluoranthene-d10 | 0.4 | 383.00 | 95750 | * | 30 | 150 |
| | | | 2-Fluorophenol | 0.4 | 354.00 | 88500 | * | 10 | 100 |
| | | | Phenol-d6 | 0.4 | 348.00 | 87000 | * | 10 | 100 |
| | | | Nitrobenzene-d5 | 0.4 | 345.00 | 86250 | * | 27 | 123 |
| | | | 2-Fluorobiphenyl | 0.4 | 359.00 | 89750 | * | 34 | 132 |
| | | | 2,4,6-Tribromophenol | 0.4 | 383.00 | 95750 | * | 10 | 131 |
| | | | Terphenyl-d14 | 0.4 | 385.00 | 96250 | * | 35 | 157 |

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# Surrogate Summary

**SW-846**

**SDG No.:** BN110724

**Client:**

**Analytical Method:** 8270-Modified

| Lab Sample ID | Client ID | Datafile | Parameter | Spike (PPM) | Result (PPM) | Recovery (%) | Qual | Limits (%) Low | Limits (%) High |
|---|---|---|---|---|---|---|---|---|---|
| PB164229BL | PB164229BL | BN034893.D | 2-Methylnaphthalene-d10 | 0.4 | 0.38 | 95 | | 20 | 139 |
| | | | Fluoranthene-d10 | 0.4 | 0.40 | 100 | | 30 | 150 |
| | | | 2-Fluorophenol | 0.4 | 0.36 | 91 | | 10 | 100 |
| | | | Phenol-d6 | 0.4 | 0.36 | 90 | | 10 | 100 |
| | | | Nitrobenzene-d5 | 0.4 | 0.38 | 95 | | 27 | 123 |
| | | | 2-Fluorobiphenyl | 0.4 | 0.41 | 101 | | 34 | 132 |
| | | | 2,4,6-Tribromophenol | 0.4 | 0.28 | 70 | | 10 | 131 |
| | | | Terphenyl-d14 | 0.4 | 0.52 | 130 | | 35 | 157 |

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: BN110724

Lab Code: CHEM SAS No.: BN110724 SDG NO.: BN110724

Lab File ID: BN034883.D DFTPP Injection Date: 11/07/2024

Instrument ID: BNA_N DFTPP Injection Time: 08:39

| m/e | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|---|---|---|
| 51 | 10.0 - 80.0% of mass 198 | 64.6 |
| 68 | Less than 2.0% of mass 69 | 0.9 ( 1.6 ) 1 |
| 69 | Mass 69 relative abundance | 57.5 |
| 70 | Less than 2.0% of mass 69 | 0.3 ( 0.6 ) 1 |
| 127 | 10.0 - 80.0% of mass 198 | 64.5 |
| 197 | Less than 2.0% of mass 198 | 0.3 |
| 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 | 19.4 |
| 365 | Greater than 1% of mass 198 | 2.3 |
| 441 | Present, but less than mass 443 | 6.6 |
| 442 | Greater than 50% of mass 198 | 37.1 |
| 443 | 15.0 - 24.0% of mass 442 | 8.9 ( 24 ) 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 |
|---|---|---|---|---|
| SSTDCCC0.4 | SSTDCCC0.4 | BN034884.D | 11/07/2024 | 09:18 |
| SSTDICC0.1 | SSTDICC0.1 | BN034885.D | 11/07/2024 | 10:02 |
| SSTDICC0.2 | SSTDICC0.2 | BN034886.D | 11/07/2024 | 10:48 |
| SSTDICCC0.4 | SSTDICCC0.4 | BN034887.D | 11/07/2024 | 11:24 |
| SSTDICC0.8 | SSTDICC0.8 | BN034888.D | 11/07/2024 | 12:00 |
| SSTDICC1.6 | SSTDICC1.6 | BN034889.D | 11/07/2024 | 12:36 |
| SSTDICC3.2 | SSTDICC3.2 | BN034890.D | 11/07/2024 | 13:13 |
| SSTDICC5.0 | SSTDICC5.0 | BN034891.D | 11/07/2024 | 13:49 |
| ICVBN110724 | SSTDICV0.4 | BN034892.D | 11/07/2024 | 14:24 |
| PB164229BL | PB164229BL | BN034893.D | 11/07/2024 | 15:04 |
| SSTDCCC0.4EC | SSTDCCC0.4 | BN034896.D | 11/07/2024 | 16:58 |