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.: BN072724 SAS No.: BN072724 SDG No.: BN072724

Instrument ID: BNA_N Calibration Date/Time: 7/27/2024 12 17:14

Lab File ID: BN033036.D Init. Calib. Date(s):

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

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

| COMPOUND | RRF | RRF0.4 | MIN RRF | %D | MAX%D |
|---|---|---|---|---|---|
| 2-Methylnaphthalene-d10 | 0.612 | 0.639 | | 4.412 | 20.0 |
| Fluoranthene-d10 | 1.035 | 1.046 | | 1.063 | 20.0 |
| n-Nitrosodimethylamine | 0.419 | 0.378 | | -9.785 | 20.0 |
| 2-Fluorophenol | 1.012 | 1.184 | | 16.996 | 20.0 |
| Phenol-d6 | 1.256 | 1.537 | | 22.373 | 20.0 |
| bis(2-Chloroethyl)ether | 1.050 | 1.118 | | 6.476 | 20.0 |
| Nitrobenzene-d5 | 0.301 | 0.269 | | -10.631 | 20.0 |
| Naphthalene | 1.108 | 1.085 | | -2.076 | 20.0 |
| Hexachlorobutadiene | 0.212 | 0.221 | | 4.245 | 20.0 |
| 2-Methylnaphthalene | 0.724 | 0.682 | | -5.801 | 20.0 |
| 2-Fluorobiphenyl | 1.489 | 1.318 | | -11.484 | 20.0 |
| Acenaphthylene | 1.627 | 1.508 | | -7.314 | 20.0 |
| Acenaphthene | 1.153 | 1.090 | | -5.464 | 20.0 |
| Fluorene | 1.541 | 1.424 | | -7.592 | 20.0 |
| 4,6-Dinitro-2-methylphenol | 0.056 | 0.014 | | -75.0 | 20.0 |
| 2,4,6-Tribromophenol | 0.171 | 0.153 | | -10.526 | 20.0 |
| 4-Bromophenyl-phenylether | 0.235 | 0.204 | | -13.191 | 20.0 |
| Hexachlorobenzene | 0.263 | 0.249 | | -5.323 | 20.0 |
| Atrazine | 0.173 | 0.162 | | -6.358 | 20.0 |
| Pentachlorophenol | 0.098 | 0.078 | | -20.408 | 20.0 |
| Phenanthrene | 1.093 | 0.986 | | -9.79 | 20.0 |
| Anthracene | 0.900 | 0.711 | | -21.0 | 20.0 |
| Fluoranthene | 1.323 | 1.241 | | -6.198 | 20.0 |
| Pyrene | 1.634 | 1.392 | | -14.81 | 20.0 |
| Terphenyl-d14 | 0.820 | 0.800 | | -2.439 | 20.0 |
| Benzo(a)anthracene | 1.265 | 1.079 | | -14.704 | 20.0 |
| Chrysene | 1.504 | 1.517 | | 0.864 | 20.0 |
| Bis(2-ethylhexyl)phthalate | 0.700 | 0.774 | | 10.571 | 20.0 |
| Benzo(b)fluoranthene | 1.393 | 1.129 | | -18.952 | 20.0 |
| Benzo(k)fluoranthene | 1.592 | 1.394 | | -12.437 | 20.0 |
| Benzo(a)pyrene | 1.256 | 1.096 | | -12.739 | 20.0 |
| Indeno(1,2,3-cd)pyrene | 1.577 | 1.357 | | -13.951 | 20.0 |
| Dibenzo(a,h)anthracene | 1.245 | 1.093 | | -12.209 | 20.0 |
| Benzo(g,h,i)perylene | 1.379 | 1.193 | | -13.488 | 20.0 |
| 1,4-Dioxane | 0.496 | 0.526 | | 6.048 | 20.0 |

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.: BN072724 SAS No.: BN072724 SDG No.: BN072724

Instrument ID: BNA_N Calibration Date/Time: 7/28/2024 12 03:28

Lab File ID: BN033053.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 | 0.612 | 0.594 | | -2.941 | 50.0 |
| Fluoranthene-d10 | 1.035 | 0.982 | | -5.121 | 50.0 |
| n-Nitrosodimethylamine | 0.419 | 0.530 | | 26.492 | 50.0 |
| 2-Fluorophenol | 1.012 | 1.416 | | 39.921 | 50.0 |
| Phenol-d6 | 1.256 | 1.663 | | 32.404 | 50.0 |
| bis(2-Chloroethyl)ether | 1.050 | 1.170 | | 11.429 | 50.0 |
| Nitrobenzene-d5 | 0.301 | 0.255 | | -15.282 | 50.0 |
| Naphthalene | 1.108 | 1.084 | | -2.166 | 50.0 |
| Hexachlorobutadiene | 0.212 | 0.199 | | -6.132 | 50.0 |
| 2-Methylnaphthalene | 0.724 | 0.666 | | -8.011 | 50.0 |
| 2-Fluorobiphenyl | 1.489 | 1.372 | | -7.858 | 50.0 |
| Acenaphthylene | 1.627 | 1.526 | | -6.208 | 50.0 |
| Acenaphthene | 1.153 | 1.135 | | -1.561 | 50.0 |
| Fluorene | 1.541 | 1.506 | | -2.271 | 50.0 |
| 4,6-Dinitro-2-methylphenol | 0.056 | 0.019 | | -66.071 | 50.0 |
| 2,4,6-Tribromophenol | 0.171 | 0.134 | | -21.637 | 50.0 |
| 4-Bromophenyl-phenylether | 0.235 | 0.208 | | -11.489 | 50.0 |
| Hexachlorobenzene | 0.263 | 0.227 | | -13.688 | 50.0 |
| Atrazine | 0.173 | 0.157 | | -9.249 | 50.0 |
| Pentachlorophenol | 0.098 | 0.060 | | -38.776 | 50.0 |
| Phenanthrene | 1.093 | 0.987 | | -9.698 | 50.0 |
| Anthracene | 0.900 | 0.649 | | -27.889 | 50.0 |
| Fluoranthene | 1.323 | 1.250 | | -5.518 | 50.0 |
| Pyrene | 1.634 | 1.496 | | -8.446 | 50.0 |
| Terphenyl-d14 | 0.820 | 0.716 | | -12.683 | 50.0 |
| Benzo(a)anthracene | 1.265 | 1.048 | | -17.154 | 50.0 |
| Chrysene | 1.504 | 1.586 | | 5.452 | 50.0 |
| Bis(2-ethylhexyl)phthalate | 0.700 | 0.972 | | 38.857 | 50.0 |
| Benzo(b)fluoranthene | 1.393 | 1.220 | | -12.419 | 50.0 |
| Benzo(k)fluoranthene | 1.592 | 1.540 | | -3.266 | 50.0 |
| Benzo(a)pyrene | 1.256 | 1.137 | | -9.475 | 50.0 |
| Indeno(1,2,3-cd)pyrene | 1.577 | 1.395 | | -11.541 | 50.0 |
| Dibenzo(a,h)anthracene | 1.245 | 1.091 | | -12.369 | 50.0 |
| Benzo(g,h,i)perylene | 1.379 | 1.253 | | -9.137 | 50.0 |
| 1,4-Dioxane | 0.496 | 0.678 | | 36.694 | 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.: BN072724 SAS No.: BN072724 SDG No.: BN072724

Instrument ID: BNA_N Calibration Date/Time: 7/28/2024 12 05:24

Lab File ID: BN033055.D Init. Calib. Date(s):

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

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

| COMPOUND | RRF | RRF0.4 | MIN RRF | %D | MAX%D |
|---|---|---|---|---|---|
| 2-Methylnaphthalene-d10 | 0.612 | 0.593 | | -3.105 | 20.0 |
| Fluoranthene-d10 | 1.035 | 1.003 | | -3.092 | 20.0 |
| n-Nitrosodimethylamine | 0.419 | 0.542 | | 29.356 | 20.0 |
| 2-Fluorophenol | 1.012 | 1.860 | | 83.794 | 20.0 |
| Phenol-d6 | 1.256 | 2.287 | | 82.086 | 20.0 |
| bis(2-Chloroethyl)ether | 1.050 | 1.070 | | 1.905 | 20.0 |
| Nitrobenzene-d5 | 0.301 | 0.342 | | 13.621 | 20.0 |
| Naphthalene | 1.108 | 1.164 | | 5.054 | 20.0 |
| Hexachlorobutadiene | 0.212 | 0.216 | | 1.887 | 20.0 |
| 2-Methylnaphthalene | 0.724 | 0.696 | | -3.867 | 20.0 |
| 2-Fluorobiphenyl | 1.489 | 1.461 | | -1.88 | 20.0 |
| Acenaphthylene | 1.627 | 1.596 | | -1.905 | 20.0 |
| Acenaphthene | 1.153 | 1.143 | | -0.867 | 20.0 |
| Fluorene | 1.541 | 1.508 | | -2.141 | 20.0 |
| 4,6-Dinitro-2-methylphenol | 0.056 | 0.015 | | -73.214 | 20.0 |
| 2,4,6-Tribromophenol | 0.171 | 0.134 | | -21.637 | 20.0 |
| 4-Bromophenyl-phenylether | 0.235 | 0.224 | | -4.681 | 20.0 |
| Hexachlorobenzene | 0.263 | 0.241 | | -8.365 | 20.0 |
| Atrazine | 0.173 | 0.163 | | -5.78 | 20.0 |
| Pentachlorophenol | 0.098 | 0.065 | | -33.673 | 20.0 |
| Phenanthrene | 1.093 | 1.073 | | -1.83 | 20.0 |
| Anthracene | 0.900 | 0.738 | | -18.0 | 20.0 |
| Fluoranthene | 1.323 | 1.301 | | -1.663 | 20.0 |
| Pyrene | 1.634 | 1.634 | | 0.0 | 20.0 |
| Terphenyl-d14 | 0.820 | 0.792 | | -3.415 | 20.0 |
| Benzo(a)anthracene | 1.265 | 1.157 | | -8.538 | 20.0 |
| Chrysene | 1.504 | 1.614 | | 7.314 | 20.0 |
| Bis(2-ethylhexyl)phthalate | 0.700 | 0.895 | | 27.857 | 20.0 |
| Benzo(b)fluoranthene | 1.393 | 1.292 | | -7.251 | 20.0 |
| Benzo(k)fluoranthene | 1.592 | 1.620 | | 1.759 | 20.0 |
| Benzo(a)pyrene | 1.256 | 1.204 | | -4.14 | 20.0 |
| Indeno(1,2,3-cd)pyrene | 1.577 | 1.481 | | -6.088 | 20.0 |
| Dibenzo(a,h)anthracene | 1.245 | 1.163 | | -6.586 | 20.0 |
| Benzo(g,h,i)perylene | 1.379 | 1.355 | | -1.74 | 20.0 |
| 1,4-Dioxane | 0.496 | 0.710 | | 43.145 | 20.0 |

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.: BN072724 SAS No.: BN072724 SDG No.: BN072724

Instrument ID: BNA_N Calibration Date/Time: 7/28/2024 12 08:24

Lab File ID: BN033060.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 | 0.612 | 0.591 | | -3.431 | 50.0 |
| Fluoranthene-d10 | 1.035 | 0.968 | | -6.473 | 50.0 |
| n-Nitrosodimethylamine | 0.419 | 0.429 | | 2.387 | 50.0 |
| 2-Fluorophenol | 1.012 | 1.167 | | 15.316 | 50.0 |
| Phenol-d6 | 1.256 | 1.648 | | 31.21 | 50.0 |
| bis(2-Chloroethyl)ether | 1.050 | 1.040 | | -0.952 | 50.0 |
| Nitrobenzene-d5 | 0.301 | 0.321 | | 6.645 | 50.0 |
| Naphthalene | 1.108 | 1.082 | | -2.347 | 50.0 |
| Hexachlorobutadiene | 0.212 | 0.203 | | -4.245 | 50.0 |
| 2-Methylnaphthalene | 0.724 | 0.660 | | -8.84 | 50.0 |
| 2-Fluorobiphenyl | 1.489 | 1.377 | | -7.522 | 50.0 |
| Acenaphthylene | 1.627 | 1.520 | | -6.577 | 50.0 |
| Acenaphthene | 1.153 | 1.130 | | -1.995 | 50.0 |
| Fluorene | 1.541 | 1.495 | | -2.985 | 50.0 |
| 4,6-Dinitro-2-methylphenol | 0.056 | 0.018 | | -67.857 | 50.0 |
| 2,4,6-Tribromophenol | 0.171 | 0.127 | | -25.731 | 50.0 |
| 4-Bromophenyl-phenylether | 0.235 | 0.211 | | -10.213 | 50.0 |
| Hexachlorobenzene | 0.263 | 0.229 | | -12.928 | 50.0 |
| Atrazine | 0.173 | 0.159 | | -8.092 | 50.0 |
| Pentachlorophenol | 0.098 | 0.054 | | -44.898 | 50.0 |
| Phenanthrene | 1.093 | 0.999 | | -8.6 | 50.0 |
| Anthracene | 0.900 | 0.638 | | -29.111 | 50.0 |
| Fluoranthene | 1.323 | 1.230 | | -7.029 | 50.0 |
| Pyrene | 1.634 | 1.573 | | -3.733 | 50.0 |
| Terphenyl-d14 | 0.820 | 0.748 | | -8.78 | 50.0 |
| Benzo(a)anthracene | 1.265 | 1.047 | | -17.233 | 50.0 |
| Chrysene | 1.504 | 1.605 | | 6.715 | 50.0 |
| Bis(2-ethylhexyl)phthalate | 0.700 | 1.076 | | 53.714 | 50.0 |
| Benzo(b)fluoranthene | 1.393 | 1.175 | | -15.65 | 50.0 |
| Benzo(k)fluoranthene | 1.592 | 1.554 | | -2.387 | 50.0 |
| Benzo(a)pyrene | 1.256 | 1.138 | | -9.395 | 50.0 |
| Indeno(1,2,3-cd)pyrene | 1.577 | 1.324 | | -16.043 | 50.0 |
| Dibenzo(a,h)anthracene | 1.245 | 1.035 | | -16.867 | 50.0 |
| Benzo(g,h,i)perylene | 1.379 | 1.206 | | -12.545 | 50.0 |
| 1,4-Dioxane | 0.496 | 0.578 | | 16.532 | 50.0 |

All other compounds must meet a minimum RRF of 0.010.

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# Report of Analysis

| | | | | | |
|---|---|---|---|---|---|
| Client: | | | | Date Collected: | 7/26/2024 12:00:00 AM |
| Project: | | | | Date Received: | 7/26/2024 12:00:00 AM |
| Client Sample ID: | PB162294BL | | | SDG No.: | BN072724 |
| Lab Sample ID: | PB162294BL | | | 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 |
|---|---|---|---|---|
| BN033037.D | 1 | 7/26/2024 12:00:00 AM | 7/27/2024 12:00:00 AM | PB162294 |

| 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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# Report of Analysis

| | | | | | |
|---|---|---|---|---|---|
| Client: | | | | Date Collected: | 7/26/2024 12:00:00 AM |
| Project: | | | | Date Received: | 7/26/2024 12:00:00 AM |
| Client Sample ID: | PB162294BL | | | SDG No.: | BN072724 |
| Lab Sample ID: | PB162294BL | | | 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 |
|---|---|---|---|---|
| BN033037.D | 1 | 7/26/2024 12:00:00 AM | 7/27/2024 12:00:00 AM | PB162294 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **SURROGATES** | | | | | | | |
| 7297-45-2 | 2-Methylnaphthalene-d10 | 0.343 | | 30-150 | | 86 | SPK: -0.4 |
| 93951-69-0 | Fluoranthene-d10 | 0.399 | | 30-150 | | 100 | SPK: -0.4 |
| 367-12-4 | 2-Fluorophenol | 0.403 | * | 10-92 | | 101 | SPK: -0.4 |
| 13127-88-3 | Phenol-d6 | 0.41 | * | 10-100 | | 102 | SPK: -0.4 |
| 4165-60-0 | Nitrobenzene-d5 | 0.31 | | 11-175 | | 77 | SPK: -0.4 |
| 321-60-8 | 2-Fluorobiphenyl | 0.316 | | 10-175 | | 79 | SPK: -0.4 |
| 118-79-6 | 2,4,6-Tribromophenol | 0.193 | | 24-148 | | 48 | SPK: -0.4 |
| 1718-51-0 | Terphenyl-d14 | 0.431 | | 54-171 | | 108 | SPK: -0.4 |
| **INTERNAL STANDARDS** | | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 1908 | 7.589 | | | | |
| 1146-65-2 | Naphthalene-d8 | 6334 | 10.458 | | | | |
| 15067-26-2 | Acenaphthene-d10 | 4319 | 14.222 | | | | |
| 1517-22-2 | Phenanthrene-d10 | 9677 | 17.007 | | | | |
| 1719-03-5 | Chrysene-d12 | 9420 | 21.187 | | | | |
| 1520-96-3 | Perylene-d12 | 10162 | 23.367 | | | | |

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# Report of Analysis

| | | | | | |
|---|---|---|---|---|---|
| Client: | | | | Date Collected: | 7/26/2024 12:00:00 AM |
| Project: | | | | Date Received: | 7/26/2024 12:00:00 AM |
| Client Sample ID: | PB162294BS | | | SDG No.: | BN072724 |
| Lab Sample ID: | PB162294BS | | | 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 |
|---|---|---|---|---|
| BN033038.D | 1 | 7/26/2024 12:00:00 AM | 7/27/2024 12:00:00 AM | PB162294 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 62-75-9 | n-Nitrosodimethylamine | 0.37 | | 0.03 | 0.2 | 0.2 | ug/L |
| 111-44-4 | bis(2-Chloroethyl)ether | 0.41 | | 0.03 | 0.1 | 0.1 | ug/L |
| 91-20-3 | Naphthalene | 0.38 | | 0.02 | 0.1 | 0.1 | ug/L |
| 87-68-3 | Hexachlorobutadiene | 0.41 | | 0.03 | 0.1 | 0.1 | ug/L |
| 91-57-6 | 2-Methylnaphthalene | 0.36 | | 0.03 | 0.1 | 0.1 | ug/L |
| 208-96-8 | Acenaphthylene | 0.37 | | 0.02 | 0.1 | 0.1 | ug/L |
| 83-32-9 | Acenaphthene | 0.38 | | 0.02 | 0.1 | 0.1 | ug/L |
| Total PAH | Total PAH | 5.52 | | 0.45 | 0.1 | 1.6 | ug/L |
| 86-73-7 | Fluorene | 0.37 | | 0.02 | 0.1 | 0.1 | ug/L |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 0.37 | | 0.14 | 0.2 | 0.2 | ug/L |
| 101-55-3 | 4-Bromophenyl-phenylether | 0.33 | | 0.03 | 0.1 | 0.1 | ug/L |
| 118-74-1 | Hexachlorobenzene | 0.37 | | 0.03 | 0.1 | 0.1 | ug/L |
| 1912-24-9 | Atrazine | 0.36 | | 0.02 | 0.1 | 0.1 | ug/L |
| 87-86-5 | Pentachlorophenol | 0.27 | | 0.09 | 0.2 | 0.2 | ug/L |
| 85-01-8 | Phenanthrene | 0.35 | | 0.02 | 0.1 | 0.1 | ug/L |
| 120-12-7 | Anthracene | 0.29 | | 0.02 | 0.1 | 0.1 | ug/L |
| 206-44-0 | Fluoranthene | 0.37 | | 0.02 | 0.1 | 0.1 | ug/L |
| 129-00-0 | Pyrene | 0.32 | | 0.02 | 0.1 | 0.1 | ug/L |
| 56-55-3 | Benzo(a)anthracene | 0.31 | | 0.02 | 0.1 | 0.1 | ug/L |
| 218-01-9 | Chrysene | 0.39 | | 0.03 | 0.1 | 0.1 | ug/L |
| 117-81-7 | Bis(2-ethylhexyl)phthalate | 0.38 | | 0.14 | 0.2 | 0.2 | ug/L |
| 205-99-2 | Benzo(b)fluoranthene | 0.3 | | 0.03 | 0.1 | 0.1 | ug/L |
| 207-08-9 | Benzo(k)fluoranthene | 0.34 | | 0.03 | 0.1 | 0.1 | ug/L |
| 50-32-8 | Benzo(a)pyrene | 0.33 | | 0.06 | 0.1 | 0.1 | ug/L |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 0.34 | | 0.04 | 0.1 | 0.1 | ug/L |
| 53-70-3 | Dibenzo(a,h)anthracene | 0.34 | | 0.04 | 0.1 | 0.1 | ug/L |
| 191-24-2 | Benzo(g,h,i)perylene | 0.34 | | 0.04 | 0.1 | 0.1 | ug/L |
| 123-91-1 | 1,4-Dioxane | 0.43 | | 0.07 | 0.2 | 0.2 | ug/L |

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# Report of Analysis

| | | | | | |
|---|---|---|---|---|---|
| Client: | | | | Date Collected: | 7/26/2024 12:00:00 AM |
| Project: | | | | Date Received: | 7/26/2024 12:00:00 AM |
| Client Sample ID: | PB162294BS | | | SDG No.: | BN072724 |
| Lab Sample ID: | PB162294BS | | | 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 |
|---|---|---|---|---|
| BN033038.D | 1 | 7/26/2024 12:00:00 AM | 7/27/2024 12:00:00 AM | PB162294 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **SURROGATES** | | | | | | | |
| 7297-45-2 | 2-Methylnaphthalene-d10 | 0.398 | | 30-150 | | 100 | SPK: -0.4 |
| 93951-69-0 | Fluoranthene-d10 | 0.394 | | 30-150 | | 98 | SPK: -0.4 |
| 367-12-4 | 2-Fluorophenol | 0.448 | * | 10-92 | | 112 | SPK: -0.4 |
| 13127-88-3 | Phenol-d6 | 0.546 | * | 10-100 | | 137 | SPK: -0.4 |
| 4165-60-0 | Nitrobenzene-d5 | 0.403 | | 11-175 | | 101 | SPK: -0.4 |
| 321-60-8 | 2-Fluorobiphenyl | 0.347 | | 10-175 | | 87 | SPK: -0.4 |
| 118-79-6 | 2,4,6-Tribromophenol | 0.341 | | 24-148 | | 85 | SPK: -0.4 |
| 1718-51-0 | Terphenyl-d14 | 0.357 | | 54-171 | | 89 | SPK: -0.4 |
| **INTERNAL STANDARDS** | | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 2295 | 7.524 | | | | |
| 1146-65-2 | Naphthalene-d8 | 8545 | 10.319 | | | | |
| 15067-26-2 | Acenaphthene-d10 | 5991 | 14.158 | | | | |
| 1517-22-2 | Phenanthrene-d10 | 13162 | 16.945 | | | | |
| 1719-03-5 | Chrysene-d12 | 12950 | 21.16 | | | | |
| 1520-96-3 | Perylene-d12 | 14747 | 23.347 | | | | |

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# Report of Analysis

| | | | | | |
|---|---|---|---|---|---|
| Client: | | | | Date Collected: | 7/26/2024 12:00:00 AM |
| Project: | | | | Date Received: | 7/26/2024 12:00:00 AM |
| Client Sample ID: | PB162294BSD | | | SDG No.: | BN072724 |
| Lab Sample ID: | PB162294BSD | | | 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 |
|---|---|---|---|---|
| BN033039.D | 1 | 7/26/2024 12:00:00 AM | 7/27/2024 12:00:00 AM | PB162294 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 62-75-9 | n-Nitrosodimethylamine | 0.36 | | 0.03 | 0.2 | 0.2 | ug/L |
| 111-44-4 | bis(2-Chloroethyl)ether | 0.38 | | 0.03 | 0.1 | 0.1 | ug/L |
| 91-20-3 | Naphthalene | 0.38 | | 0.02 | 0.1 | 0.1 | ug/L |
| 87-68-3 | Hexachlorobutadiene | 0.41 | | 0.03 | 0.1 | 0.1 | ug/L |
| 91-57-6 | 2-Methylnaphthalene | 0.36 | | 0.03 | 0.1 | 0.1 | ug/L |
| 208-96-8 | Acenaphthylene | 0.36 | | 0.02 | 0.1 | 0.1 | ug/L |
| 83-32-9 | Acenaphthene | 0.37 | | 0.02 | 0.1 | 0.1 | ug/L |
| Total PAH | Total PAH | 5.48 | | 0.45 | 0.1 | 1.6 | ug/L |
| 86-73-7 | Fluorene | 0.37 | | 0.02 | 0.1 | 0.1 | ug/L |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 0.36 | | 0.14 | 0.2 | 0.2 | ug/L |
| 101-55-3 | 4-Bromophenyl-phenylether | 0.33 | | 0.03 | 0.1 | 0.1 | ug/L |
| 118-74-1 | Hexachlorobenzene | 0.37 | | 0.03 | 0.1 | 0.1 | ug/L |
| 1912-24-9 | Atrazine | 0.37 | | 0.02 | 0.1 | 0.1 | ug/L |
| 87-86-5 | Pentachlorophenol | 0.26 | | 0.09 | 0.2 | 0.2 | ug/L |
| 85-01-8 | Phenanthrene | 0.35 | | 0.02 | 0.1 | 0.1 | ug/L |
| 120-12-7 | Anthracene | 0.29 | | 0.02 | 0.1 | 0.1 | ug/L |
| 206-44-0 | Fluoranthene | 0.37 | | 0.02 | 0.1 | 0.1 | ug/L |
| 129-00-0 | Pyrene | 0.32 | | 0.02 | 0.1 | 0.1 | ug/L |
| 56-55-3 | Benzo(a)anthracene | 0.33 | | 0.02 | 0.1 | 0.1 | ug/L |
| 218-01-9 | Chrysene | 0.37 | | 0.03 | 0.1 | 0.1 | ug/L |
| 117-81-7 | Bis(2-ethylhexyl)phthalate | 0.39 | | 0.14 | 0.2 | 0.2 | ug/L |
| 205-99-2 | Benzo(b)fluoranthene | 0.3 | | 0.03 | 0.1 | 0.1 | ug/L |
| 207-08-9 | Benzo(k)fluoranthene | 0.34 | | 0.03 | 0.1 | 0.1 | ug/L |
| 50-32-8 | Benzo(a)pyrene | 0.33 | | 0.06 | 0.1 | 0.1 | ug/L |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 0.33 | | 0.04 | 0.1 | 0.1 | ug/L |
| 53-70-3 | Dibenzo(a,h)anthracene | 0.33 | | 0.04 | 0.1 | 0.1 | ug/L |
| 191-24-2 | Benzo(g,h,i)perylene | 0.34 | | 0.04 | 0.1 | 0.1 | ug/L |
| 123-91-1 | 1,4-Dioxane | 0.44 | | 0.07 | 0.2 | 0.2 | ug/L |

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# Report of Analysis

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|---|---|---|---|---|---|
| Client: | | | | Date Collected: | 7/26/2024 12:00:00 AM |
| Project: | | | | Date Received: | 7/26/2024 12:00:00 AM |
| Client Sample ID: | PB162294BSD | | | SDG No.: | BN072724 |
| Lab Sample ID: | PB162294BSD | | | 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 |
|---|---|---|---|---|
| BN033039.D | 1 | 7/26/2024 12:00:00 AM | 7/27/2024 12:00:00 AM | PB162294 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **SURROGATES** | | | | | | | |
| 7297-45-2 | 2-Methylnaphthalene-d10 | 0.403 | | 30-150 | | 101 | SPK: -0.4 |
| 93951-69-0 | Fluoranthene-d10 | 0.398 | | 30-150 | | 100 | SPK: -0.4 |
| 367-12-4 | 2-Fluorophenol | 0.464 | * | 10-92 | | 116 | SPK: -0.4 |
| 13127-88-3 | Phenol-d6 | 0.487 | * | 10-100 | | 122 | SPK: -0.4 |
| 4165-60-0 | Nitrobenzene-d5 | 0.315 | | 11-175 | | 79 | SPK: -0.4 |
| 321-60-8 | 2-Fluorobiphenyl | 0.344 | | 10-175 | | 86 | SPK: -0.4 |
| 118-79-6 | 2,4,6-Tribromophenol | 0.336 | | 24-148 | | 84 | SPK: -0.4 |
| 1718-51-0 | Terphenyl-d14 | 0.365 | | 54-171 | | 91 | SPK: -0.4 |
| **INTERNAL STANDARDS** | | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 2061 | 7.524 | | | | |
| 1146-65-2 | Naphthalene-d8 | 7653 | 10.319 | | | | |
| 15067-26-2 | Acenaphthene-d10 | 5392 | 14.165 | | | | |
| 1517-22-2 | Phenanthrene-d10 | 11728 | 16.952 | | | | |
| 1719-03-5 | Chrysene-d12 | 11364 | 21.158 | | | | |
| 1520-96-3 | Perylene-d12 | 12586 | 23.347 | | | | |

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | | Date Collected: | 7/25/2024 12:00:00 AM |
| Project: | | Date Received: | 7/25/2024 12:00:00 AM |
| Client Sample ID: | GWBR-05-282-302-072524 | SDG No.: | BN072724 |
| Lab Sample ID: | P3375-01 | 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 |
|---|---|---|---|---|
| BN033040.D | 1 | 7/26/2024 12:00:00 AM | 7/27/2024 12:00:00 AM | PB162294 |

| 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 | J | 0.02 | 0.1 | 0.1 | ug/L |
| 218-01-9 | Chrysene | 0.04 | J | 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 | J | 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 | 0.21 | | 0.07 | 0.2 | 0.2 | ug/L |

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | | Date Collected: | 7/25/2024 12:00:00 AM |
| Project: | | Date Received: | 7/25/2024 12:00:00 AM |
| Client Sample ID: | GWBR-05-282-302-072524 | SDG No.: | BN072724 |
| Lab Sample ID: | P3375-01 | 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 |
|---|---|---|---|---|
| BN033040.D | 1 | 7/26/2024 12:00:00 AM | 7/27/2024 12:00:00 AM | PB162294 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **SURROGATES** | | | | | | | |
| 7297-45-2 | 2-Methylnaphthalene-d10 | 0.312 | | 30-150 | | 78 | SPK: -0.4 |
| 93951-69-0 | Fluoranthene-d10 | 0.416 | | 30-150 | | 104 | SPK: -0.4 |
| 367-12-4 | 2-Fluorophenol | 0.188 | | 10-92 | | 47 | SPK: -0.4 |
| 13127-88-3 | Phenol-d6 | 0.12 | | 10-100 | | 30 | SPK: -0.4 |
| 4165-60-0 | Nitrobenzene-d5 | 0.241 | | 11-175 | | 60 | SPK: -0.4 |
| 321-60-8 | 2-Fluorobiphenyl | 0.271 | | 10-175 | | 68 | SPK: -0.4 |
| 118-79-6 | 2,4,6-Tribromophenol | 0.277 | | 24-148 | | 69 | SPK: -0.4 |
| 1718-51-0 | Terphenyl-d14 | 0.478 | | 54-171 | | 119 | SPK: -0.4 |
| **INTERNAL STANDARDS** | | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 1467 | 7.582 | | | | |
| 1146-65-2 | Naphthalene-d8 | 6071 | 10.404 | | | | |
| 15067-26-2 | Acenaphthene-d10 | 4184 | 14.201 | | | | |
| 1517-22-2 | Phenanthrene-d10 | 9188 | 16.97 | | | | |
| 1719-03-5 | Chrysene-d12 | 8816 | 21.169 | | | | |
| 1520-96-3 | Perylene-d12 | 9362 | 23.361 | | | | |

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | | Date Collected: | 7/25/2024 12:00:00 AM |
| Project: | | Date Received: | 7/25/2024 12:00:00 AM |
| Client Sample ID: | GWBR-05-258-278-072524 | SDG No.: | BN072724 |
| Lab Sample ID: | P3375-02 | 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 |
|---|---|---|---|---|
| BN033041.D | 1 | 7/26/2024 12:00:00 AM | 7/27/2024 12:00:00 AM | PB162294 |

| 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 | 0.04 | J | 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 | 0.29 | | 0.07 | 0.2 | 0.2 | ug/L |

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# Report of Analysis

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|---|---|---|---|
| Client: | | Date Collected: | 7/25/2024 12:00:00 AM |
| Project: | | Date Received: | 7/25/2024 12:00:00 AM |
| Client Sample ID: | GWBR-05-258-278-072524 | SDG No.: | BN072724 |
| Lab Sample ID: | P3375-02 | 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 |
|---|---|---|---|---|
| BN033041.D | 1 | 7/26/2024 12:00:00 AM | 7/27/2024 12:00:00 AM | PB162294 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **SURROGATES** | | | | | | | |
| 7297-45-2 | 2-Methylnaphthalene-d10 | 0.296 | | 30-150 | | 74 | SPK: -0.4 |
| 93951-69-0 | Fluoranthene-d10 | 0.407 | | 30-150 | | 102 | SPK: -0.4 |
| 367-12-4 | 2-Fluorophenol | 0.188 | | 10-92 | | 47 | SPK: -0.4 |
| 13127-88-3 | Phenol-d6 | 0.093 | | 10-100 | | 23 | SPK: -0.4 |
| 4165-60-0 | Nitrobenzene-d5 | 0.257 | | 11-175 | | 64 | SPK: -0.4 |
| 321-60-8 | 2-Fluorobiphenyl | 0.254 | | 10-175 | | 63 | SPK: -0.4 |
| 118-79-6 | 2,4,6-Tribromophenol | 0.242 | | 24-148 | | 60 | SPK: -0.4 |
| 1718-51-0 | Terphenyl-d14 | 0.46 | | 54-171 | | 115 | SPK: -0.4 |
| **INTERNAL STANDARDS** | | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 1523 | 7.589 | | | | |
| 1146-65-2 | Naphthalene-d8 | 5664 | 10.436 | | | | |
| 15067-26-2 | Acenaphthene-d10 | 4151 | 14.201 | | | | |
| 1517-22-2 | Phenanthrene-d10 | 8884 | 16.97 | | | | |
| 1719-03-5 | Chrysene-d12 | 8591 | 21.169 | | | | |
| 1520-96-3 | Perylene-d12 | 9427 | 23.361 | | | | |

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Fax : 908 789 8922

# Report of Analysis

| | | | | | |
|---|---|---|---|---|---|
| Client: | | | | Date Collected: | 7/25/2024 12:00:00 AM |
| Project: | | | | Date Received: | 7/25/2024 12:00:00 AM |
| Client Sample ID: | EB-01-072524 | | | SDG No.: | BN072724 |
| Lab Sample ID: | P3375-04 | | | Matrix: | Water |
| Analytical Method: | 8270-Modified | | | % Moisture: | 100 |
| Sample Wt/Vol: | 980 | 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 |
|---|---|---|---|---|
| BN033042.D | 1 | 7/26/2024 12:00:00 AM | 7/27/2024 12:00:00 AM | PB162294 |

| 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 | 0.04 | J | 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 | 0.17 | J | 0.07 | 0.2 | 0.2 | ug/L |

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# Report of Analysis

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|---|---|---|---|---|---|
| Client: | | | | Date Collected: | 7/25/2024 12:00:00 AM |
| Project: | | | | Date Received: | 7/25/2024 12:00:00 AM |
| Client Sample ID: | EB-01-072524 | | | SDG No.: | BN072724 |
| Lab Sample ID: | P3375-04 | | | Matrix: | Water |
| Analytical Method: | 8270-Modified | | | % Moisture: | 100 |
| Sample Wt/Vol: | 980 | 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 |
|---|---|---|---|---|
| BN033042.D | 1 | 7/26/2024 12:00:00 AM | 7/27/2024 12:00:00 AM | PB162294 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **SURROGATES** | | | | | | | |
| 7297-45-2 | 2-Methylnaphthalene-d10 | 0.329 | | 30-150 | | 82 | SPK: -0.4 |
| 93951-69-0 | Fluoranthene-d10 | 0.425 | | 30-150 | | 106 | SPK: -0.4 |
| 367-12-4 | 2-Fluorophenol | 0.216 | | 10-92 | | 54 | SPK: -0.4 |
| 13127-88-3 | Phenol-d6 | 0.145 | | 10-100 | | 36 | SPK: -0.4 |
| 4165-60-0 | Nitrobenzene-d5 | 0.364 | | 11-175 | | 91 | SPK: -0.4 |
| 321-60-8 | 2-Fluorobiphenyl | 0.292 | | 10-175 | | 73 | SPK: -0.4 |
| 118-79-6 | 2,4,6-Tribromophenol | 0.298 | | 24-148 | | 75 | SPK: -0.4 |
| 1718-51-0 | Terphenyl-d14 | 0.491 | | 54-171 | | 123 | SPK: -0.4 |
| **INTERNAL STANDARDS** | | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 1537 | 7.582 | | | | |
| 1146-65-2 | Naphthalene-d8 | 5925 | 10.372 | | | | |
| 15067-26-2 | Acenaphthene-d10 | 4065 | 14.19 | | | | |
| 1517-22-2 | Phenanthrene-d10 | 9060 | 16.97 | | | | |
| 1719-03-5 | Chrysene-d12 | 8529 | 21.178 | | | | |
| 1520-96-3 | Perylene-d12 | 9022 | 23.361 | | | | |

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# Report of Analysis

| | | | | | |
|---|---|---|---|---|---|
| Client: | | | | Date Collected: | 7/17/2024 12:00:00 AM |
| Project: | | | | Date Received: | 7/17/2024 12:00:00 AM |
| Client Sample ID: | SP-100-20240717 | | | SDG No.: | BN072724 |
| Lab Sample ID: | P3299-01 | | | 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 |
|---|---|---|---|---|
| BN033043.D | 1 | 7/19/2024 12:00:00 AM | 7/27/2024 12:00:00 AM | PB162161 |

| 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 | 5.9 | E | 0.07 | 0.2 | 0.2 | ug/L |

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# Report of Analysis

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|---|---|---|---|---|---|
| Client: | | | | Date Collected: | 7/17/2024 12:00:00 AM |
| Project: | | | | Date Received: | 7/17/2024 12:00:00 AM |
| Client Sample ID: | SP-100-20240717 | | | SDG No.: | BN072724 |
| Lab Sample ID: | P3299-01 | | | 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 |
|---|---|---|---|---|
| BN033043.D | 1 | 7/19/2024 12:00:00 AM | 7/27/2024 12:00:00 AM | PB162161 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **SURROGATES** | | | | | | | |
| 7297-45-2 | 2-Methylnaphthalene-d10 | 0.303 | | 30-150 | | 76 | SPK: -0.4 |
| 93951-69-0 | Fluoranthene-d10 | 0.419 | | 30-150 | | 105 | SPK: -0.4 |
| 367-12-4 | 2-Fluorophenol | 0.156 | | 10-92 | | 39 | SPK: -0.4 |
| 13127-88-3 | Phenol-d6 | 0.147 | | 10-100 | | 37 | SPK: -0.4 |
| 4165-60-0 | Nitrobenzene-d5 | 0.306 | | 11-175 | | 76 | SPK: -0.4 |
| 321-60-8 | 2-Fluorobiphenyl | 0.269 | | 10-175 | | 67 | SPK: -0.4 |
| 118-79-6 | 2,4,6-Tribromophenol | 0.253 | | 24-148 | | 63 | SPK: -0.4 |
| 1718-51-0 | Terphenyl-d14 | 0.47 | | 54-171 | | 117 | SPK: -0.4 |
| **INTERNAL STANDARDS** | | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 2045 | 7.582 | | | | |
| 1146-65-2 | Naphthalene-d8 | 8455 | 10.415 | | | | |
| 15067-26-2 | Acenaphthene-d10 | 6166 | 14.19 | | | | |
| 1517-22-2 | Phenanthrene-d10 | 12666 | 16.957 | | | | |
| 1719-03-5 | Chrysene-d12 | 12584 | 21.16 | | | | |
| 1520-96-3 | Perylene-d12 | 13570 | 23.35 | | | | |

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# Report of Analysis

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|---|---|---|---|---|---|
| Client: | | | | Date Collected: | 7/17/2024 12:00:00 AM |
| Project: | | | | Date Received: | 7/17/2024 12:00:00 AM |
| Client Sample ID: | SP-201-20240717 | | | SDG No.: | BN072724 |
| Lab Sample ID: | P3299-02 | | | 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 |
|---|---|---|---|---|
| BN033044.D | 1 | 7/19/2024 12:00:00 AM | 7/27/2024 12:00:00 AM | PB162161 |

| 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 |
| Total PAH | Total PAH | 0.45 | U | 0.45 | 0.1 | 1.6 | ug/L |
| 83-32-9 | Acenaphthene | 0.02 | U | 0.02 | 0.1 | 0.1 | 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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# Report of Analysis

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|---|---|---|---|---|---|
| Client: | | | | Date Collected: | 7/17/2024 12:00:00 AM |
| Project: | | | | Date Received: | 7/17/2024 12:00:00 AM |
| Client Sample ID: | SP-201-20240717 | | | SDG No.: | BN072724 |
| Lab Sample ID: | P3299-02 | | | 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 |
|---|---|---|---|---|
| BN033044.D | 1 | 7/19/2024 12:00:00 AM | 7/27/2024 12:00:00 AM | PB162161 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **SURROGATES** | | | | | | | |
| 7297-45-2 | 2-Methylnaphthalene-d10 | 0.26 | | 30-150 | | 65 | SPK: -0.4 |
| 93951-69-0 | Fluoranthene-d10 | 0.347 | | 30-150 | | 87 | SPK: -0.4 |
| 367-12-4 | 2-Fluorophenol | 0.186 | | 10-92 | | 47 | SPK: -0.4 |
| 13127-88-3 | Phenol-d6 | 0.143 | | 10-100 | | 36 | SPK: -0.4 |
| 4165-60-0 | Nitrobenzene-d5 | 0.242 | | 11-175 | | 60 | SPK: -0.4 |
| 321-60-8 | 2-Fluorobiphenyl | 0.226 | | 10-175 | | 56 | SPK: -0.4 |
| 118-79-6 | 2,4,6-Tribromophenol | 0.186 | | 24-148 | | 47 | SPK: -0.4 |
| 1718-51-0 | Terphenyl-d14 | 0.416 | | 54-171 | | 104 | SPK: -0.4 |
| **INTERNAL STANDARDS** | | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 2399 | 7.568 | | | | |
| 1146-65-2 | Naphthalene-d8 | 9498 | 10.415 | | | | |
| 15067-26-2 | Acenaphthene-d10 | 6774 | 14.201 | | | | |
| 1517-22-2 | Phenanthrene-d10 | 14503 | 16.97 | | | | |
| 1719-03-5 | Chrysene-d12 | 13989 | 21.169 | | | | |
| 1520-96-3 | Perylene-d12 | 14264 | 23.356 | | | | |

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Fax : 908 789 8922

# Report of Analysis

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|---|---|---|---|---|---|
| Client: | | | | Date Collected: | 7/17/2024 12:00:00 AM |
| Project: | | | | Date Received: | 7/17/2024 12:00:00 AM |
| Client Sample ID: | BP-VPB-189-GW-923-925 | | | SDG No.: | BN072724 |
| Lab Sample ID: | P3307-04 | | | Matrix: | Water |
| Analytical Method: | 8270-Modified | | | % Moisture: | 100 |
| Sample Wt/Vol: | 100 | 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 |
|---|---|---|---|---|
| BN033045.D | 1 | 7/19/2024 12:00:00 AM | 7/27/2024 12:00:00 AM | PB162161 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 62-75-9 | n-Nitrosodimethylamine | 0.3 | U | 0.3 | 2 | 2 | ug/L |
| 111-44-4 | bis(2-Chloroethyl)ether | 0.28 | U | 0.28 | 1 | 1 | ug/L |
| 91-20-3 | Naphthalene | 0.24 | U | 0.24 | 1 | 1 | ug/L |
| 87-68-3 | Hexachlorobutadiene | 0.26 | U | 0.26 | 1 | 1 | ug/L |
| 91-57-6 | 2-Methylnaphthalene | 0.3 | U | 0.3 | 1 | 1 | ug/L |
| 208-96-8 | Acenaphthylene | 0.21 | U | 0.21 | 1 | 1 | ug/L |
| 83-32-9 | Acenaphthene | 0.2 | U | 0.2 | 1 | 1 | ug/L |
| Total PAH | Total PAH | 4.56 | U | 4.56 | 1 | 16 | ug/L |
| 86-73-7 | Fluorene | 0.18 | U | 0.18 | 1 | 1 | ug/L |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 1.4 | U | 1.4 | 2 | 2 | ug/L |
| 101-55-3 | 4-Bromophenyl-phenylether | 0.26 | U | 0.26 | 1 | 1 | ug/L |
| 118-74-1 | Hexachlorobenzene | 0.29 | U | 0.29 | 1 | 1 | ug/L |
| 1912-24-9 | Atrazine | 0.23 | U | 0.23 | 1 | 1 | ug/L |
| 87-86-5 | Pentachlorophenol | 0.9 | U | 0.9 | 2 | 2 | ug/L |
| 85-01-8 | Phenanthrene | 0.2 | U | 0.2 | 1 | 1 | ug/L |
| 120-12-7 | Anthracene | 0.24 | U | 0.24 | 1 | 1 | ug/L |
| 206-44-0 | Fluoranthene | 0.23 | U | 0.23 | 1 | 1 | ug/L |
| 129-00-0 | Pyrene | 0.22 | U | 0.22 | 1 | 1 | ug/L |
| 56-55-3 | Benzo(a)anthracene | 0.22 | U | 0.22 | 1 | 1 | ug/L |
| 218-01-9 | Chrysene | 0.26 | U | 0.26 | 1 | 1 | ug/L |
| 117-81-7 | Bis(2-ethylhexyl)phthalate | 10.4 | | 1.4 | 2 | 2 | ug/L |
| 205-99-2 | Benzo(b)fluoranthene | 0.32 | U | 0.32 | 1 | 1 | ug/L |
| 207-08-9 | Benzo(k)fluoranthene | 0.34 | U | 0.34 | 1 | 1 | ug/L |
| 50-32-8 | Benzo(a)pyrene | 0.56 | U | 0.56 | 1 | 1 | ug/L |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 0.38 | U | 0.38 | 1 | 1 | ug/L |
| 53-70-3 | Dibenzo(a,h)anthracene | 0.39 | U | 0.39 | 1 | 1 | ug/L |
| 191-24-2 | Benzo(g,h,i)perylene | 0.37 | U | 0.37 | 1 | 1 | ug/L |
| 123-91-1 | 1,4-Dioxane | 0.68 | U | 0.68 | 2 | 2 | ug/L |

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# Report of Analysis

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|---|---|---|---|---|---|
| Client: | | | | Date Collected: | 7/17/2024 12:00:00 AM |
| Project: | | | | Date Received: | 7/17/2024 12:00:00 AM |
| Client Sample ID: | BP-VPB-189-GW-923-925 | | | SDG No.: | BN072724 |
| Lab Sample ID: | P3307-04 | | | Matrix: | Water |
| Analytical Method: | 8270-Modified | | | % Moisture: | 100 |
| Sample Wt/Vol: | 100 | 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 |
|---|---|---|---|---|
| BN033045.D | 1 | 7/19/2024 12:00:00 AM | 7/27/2024 12:00:00 AM | PB162161 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **SURROGATES** | | | | | | | |
| 7297-45-2 | 2-Methylnaphthalene-d10 | 0.453 | | 30-150 | | 113 | SPK: -0.4 |
| 93951-69-0 | Fluoranthene-d10 | 0.325 | | 30-150 | | 81 | SPK: -0.4 |
| 367-12-4 | 2-Fluorophenol | 0.163 | | 10-92 | | 41 | SPK: -0.4 |
| 13127-88-3 | Phenol-d6 | 0.143 | | 10-100 | | 36 | SPK: -0.4 |
| 4165-60-0 | Nitrobenzene-d5 | 0.313 | | 11-175 | | 78 | SPK: -0.4 |
| 321-60-8 | 2-Fluorobiphenyl | 0.256 | | 10-175 | | 64 | SPK: -0.4 |
| 118-79-6 | 2,4,6-Tribromophenol | 0.124 | | 24-148 | | 31 | SPK: -0.4 |
| 1718-51-0 | Terphenyl-d14 | 0.347 | | 54-171 | | 87 | SPK: -0.4 |
| **INTERNAL STANDARDS** | | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 2356 | 7.532 | | | | |
| 1146-65-2 | Naphthalene-d8 | 8693 | 10.276 | | | | |
| 15067-26-2 | Acenaphthene-d10 | 6691 | 14.154 | | | | |
| 1517-22-2 | Phenanthrene-d10 | 14383 | 16.927 | | | | |
| 1719-03-5 | Chrysene-d12 | 14424 | 21.149 | | | | |
| 1520-96-3 | Perylene-d12 | 14907 | 23.327 | | | | |

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# Report of Analysis

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|---|---|---|---|
| Client: | | Date Collected: | 7/17/2024 12:00:00 AM |
| Project: | | Date Received: | 7/17/2024 12:00:00 AM |
| Client Sample ID: | BP-VPB-189-EB-20240717 | SDG No.: | BN072724 |
| Lab Sample ID: | P3307-03 | 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 |
|---|---|---|---|---|
| BN033046.D | 1 | | 7/27/2024 12:00:00 AM | |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 62-75-9 | n-Nitrosodimethylamine | 30 | U | 30 | 200 | 200 | ug/L |
| 111-44-4 | bis(2-Chloroethyl)ether | 28 | U | 28 | 100 | 100 | ug/L |
| 91-20-3 | Naphthalene | 24 | U | 24 | 100 | 100 | ug/L |
| 87-68-3 | Hexachlorobutadiene | 26 | U | 26 | 100 | 100 | ug/L |
| 91-57-6 | 2-Methylnaphthalene | 30 | U | 30 | 100 | 100 | ug/L |
| 208-96-8 | Acenaphthylene | 21 | U | 21 | 100 | 100 | ug/L |
| 83-32-9 | Acenaphthene | 20 | U | 20 | 100 | 100 | ug/L |
| Total PAH | Total PAH | 456 | U | 456 | 100 | 1600 | ug/L |
| 86-73-7 | Fluorene | 18 | U | 18 | 100 | 100 | ug/L |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 140 | U | 140 | 200 | 200 | ug/L |
| 101-55-3 | 4-Bromophenyl-phenylether | 26 | U | 26 | 100 | 100 | ug/L |
| 118-74-1 | Hexachlorobenzene | 29 | U | 29 | 100 | 100 | ug/L |
| 1912-24-9 | Atrazine | 23 | U | 23 | 100 | 100 | ug/L |
| 87-86-5 | Pentachlorophenol | 90 | U | 90 | 200 | 200 | ug/L |
| 85-01-8 | Phenanthrene | 20 | U | 20 | 100 | 100 | ug/L |
| 120-12-7 | Anthracene | 24 | U | 24 | 100 | 100 | ug/L |
| 206-44-0 | Fluoranthene | 23 | U | 23 | 100 | 100 | ug/L |
| 129-00-0 | Pyrene | 22 | U | 22 | 100 | 100 | ug/L |
| 56-55-3 | Benzo(a)anthracene | 22 | U | 22 | 100 | 100 | ug/L |
| 218-01-9 | Chrysene | 26 | U | 26 | 100 | 100 | ug/L |
| 117-81-7 | Bis(2-ethylhexyl)phthalate | 140 | U | 140 | 200 | 200 | ug/L |
| 205-99-2 | Benzo(b)fluoranthene | 32 | U | 32 | 100 | 100 | ug/L |
| 207-08-9 | Benzo(k)fluoranthene | 34 | U | 34 | 100 | 100 | ug/L |
| 50-32-8 | Benzo(a)pyrene | 56 | U | 56 | 100 | 100 | ug/L |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 38 | U | 38 | 100 | 100 | ug/L |
| 53-70-3 | Dibenzo(a,h)anthracene | 39 | U | 39 | 100 | 100 | ug/L |
| 191-24-2 | Benzo(g,h,i)perylene | 37 | U | 37 | 100 | 100 | ug/L |
| 123-91-1 | 1,4-Dioxane | 550 | | 68 | 200 | 200 | ug/L |

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# Report of Analysis

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|---|---|---|---|---|---|
| Client: | | | | Date Collected: | 7/17/2024 12:00:00 AM |
| Project: | | | | Date Received: | 7/17/2024 12:00:00 AM |
| Client Sample ID: | BP-VPB-189-EB-20240717 | | | SDG No.: | BN072724 |
| Lab Sample ID: | P3307-03 | | | 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 |
|---|---|---|---|---|
| BN033046.D | 1 | | 7/27/2024 12:00:00 AM | |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **SURROGATES** | | | | | | | |
| 7297-45-2 | 2-Methylnaphthalene-d10 | 12 | * | 30-150 | | 3000 | SPK: -0.4 |
| 93951-69-0 | Fluoranthene-d10 | 151 | * | 30-150 | | 37750 | SPK: -0.4 |
| 367-12-4 | 2-Fluorophenol | 13 | * | 10-92 | | 3250 | SPK: -0.4 |
| 13127-88-3 | Phenol-d6 | 5 | * | 10-100 | | 1250 | SPK: -0.4 |
| 4165-60-0 | Nitrobenzene-d5 | 242 | * | 11-175 | | 60500 | SPK: -0.4 |
| 321-60-8 | 2-Fluorobiphenyl | 178 | * | 10-175 | | 44500 | SPK: -0.4 |
| 118-79-6 | 2,4,6-Tribromophenol | 16 | * | 24-148 | | 4000 | SPK: -0.4 |
| 1718-51-0 | Terphenyl-d14 | 253 | * | 54-171 | | 63250 | SPK: -0.4 |
| **INTERNAL STANDARDS** | | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 4701 | 7.517 | | | | |
| 1146-65-2 | Naphthalene-d8 | 16790 | 10.319 | | | | |
| 15067-26-2 | Acenaphthene-d10 | 12494 | 14.169 | | | | |
| 1517-22-2 | Phenanthrene-d10 | 27585 | 16.945 | | | | |
| 1719-03-5 | Chrysene-d12 | 27213 | 21.151 | | | | |
| 1520-96-3 | Perylene-d12 | 24611 | 23.335 | | | | |

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# Report of Analysis

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|---|---|---|---|---|---|
| Client: | | | | Date Collected: | 7/17/2024 12:00:00 AM |
| Project: | | | | Date Received: | 7/17/2024 12:00:00 AM |
| Client Sample ID: | SP-303-20240717 | | | SDG No.: | BN072724 |
| Lab Sample ID: | P3299-03 | | | Matrix: | Water |
| Analytical Method: | 8270-Modified | | | % Moisture: | 100 |
| Sample Wt/Vol: | 990 | 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 |
|---|---|---|---|---|
| BN033047.D | 1 | 7/19/2024 12:00:00 AM | 7/27/2024 12:00:00 AM | PB162161 |

| 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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# Report of Analysis

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|---|---|---|---|---|---|
| Client: | | | | Date Collected: | 7/17/2024 12:00:00 AM |
| Project: | | | | Date Received: | 7/17/2024 12:00:00 AM |
| Client Sample ID: | SP-303-20240717 | | | SDG No.: | BN072724 |
| Lab Sample ID: | P3299-03 | | | Matrix: | Water |
| Analytical Method: | 8270-Modified | | | % Moisture: | 100 |
| Sample Wt/Vol: | 990 | 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 |
|---|---|---|---|---|
| BN033047.D | 1 | 7/19/2024 12:00:00 AM | 7/27/2024 12:00:00 AM | PB162161 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **SURROGATES** | | | | | | | |
| 7297-45-2 | 2-Methylnaphthalene-d10 | 0.305 | | 30-150 | | 76 | SPK: -0.4 |
| 93951-69-0 | Fluoranthene-d10 | 0.394 | | 30-150 | | 98 | SPK: -0.4 |
| 367-12-4 | 2-Fluorophenol | 0.273 | | 10-92 | | 68 | SPK: -0.4 |
| 13127-88-3 | Phenol-d6 | 0.172 | | 10-100 | | 43 | SPK: -0.4 |
| 4165-60-0 | Nitrobenzene-d5 | 0.314 | | 11-175 | | 79 | SPK: -0.4 |
| 321-60-8 | 2-Fluorobiphenyl | 0.256 | | 10-175 | | 64 | SPK: -0.4 |
| 118-79-6 | 2,4,6-Tribromophenol | 0.276 | | 24-148 | | 69 | SPK: -0.4 |
| 1718-51-0 | Terphenyl-d14 | 0.447 | | 54-171 | | 112 | SPK: -0.4 |
| **INTERNAL STANDARDS** | | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 1959 | 7.582 | | | | |
| 1146-65-2 | Naphthalene-d8 | 8054 | 10.415 | | | | |
| 15067-26-2 | Acenaphthene-d10 | 5879 | 14.197 | | | | |
| 1517-22-2 | Phenanthrene-d10 | 12090 | 16.964 | | | | |
| 1719-03-5 | Chrysene-d12 | 11776 | 21.167 | | | | |
| 1520-96-3 | Perylene-d12 | 11747 | 23.359 | | | | |

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# Report of Analysis

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| Client: | | | | Date Collected: | 7/19/2024 12:00:00 AM |
| Project: | | | | Date Received: | 7/19/2024 12:00:00 AM |
| Client Sample ID: | PB162161BS | | | SDG No.: | BN072724 |
| Lab Sample ID: | PB162161BS | | | 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 |
|---|---|---|---|---|
| BN033048.D | 1 | 7/19/2024 12:00:00 AM | 7/28/2024 12:00:00 AM | PB162161 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 62-75-9 | n-Nitrosodimethylamine | 0.31 | | 0.03 | 0.2 | 0.2 | ug/L |
| 111-44-4 | bis(2-Chloroethyl)ether | 0.45 | | 0.03 | 0.1 | 0.1 | ug/L |
| 91-20-3 | Naphthalene | 0.39 | | 0.02 | 0.1 | 0.1 | ug/L |
| 87-68-3 | Hexachlorobutadiene | 0.41 | | 0.03 | 0.1 | 0.1 | ug/L |
| 91-57-6 | 2-Methylnaphthalene | 0.36 | | 0.03 | 0.1 | 0.1 | ug/L |
| 208-96-8 | Acenaphthylene | 0.36 | | 0.02 | 0.1 | 0.1 | ug/L |
| 83-32-9 | Acenaphthene | 0.37 | | 0.02 | 0.1 | 0.1 | ug/L |
| Total PAH | Total PAH | 5.45 | | 0.45 | 0.1 | 1.6 | ug/L |
| 86-73-7 | Fluorene | 0.37 | | 0.02 | 0.1 | 0.1 | ug/L |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 0.39 | | 0.14 | 0.2 | 0.2 | ug/L |
| 101-55-3 | 4-Bromophenyl-phenylether | 0.33 | | 0.03 | 0.1 | 0.1 | ug/L |
| 118-74-1 | Hexachlorobenzene | 0.37 | | 0.03 | 0.1 | 0.1 | ug/L |
| 1912-24-9 | Atrazine | 0.36 | | 0.02 | 0.1 | 0.1 | ug/L |
| 87-86-5 | Pentachlorophenol | 0.29 | | 0.09 | 0.2 | 0.2 | ug/L |
| 85-01-8 | Phenanthrene | 0.35 | | 0.02 | 0.1 | 0.1 | ug/L |
| 120-12-7 | Anthracene | 0.28 | | 0.02 | 0.1 | 0.1 | ug/L |
| 206-44-0 | Fluoranthene | 0.36 | | 0.02 | 0.1 | 0.1 | ug/L |
| 129-00-0 | Pyrene | 0.33 | | 0.02 | 0.1 | 0.1 | ug/L |
| 56-55-3 | Benzo(a)anthracene | 0.3 | | 0.02 | 0.1 | 0.1 | ug/L |
| 218-01-9 | Chrysene | 0.4 | | 0.03 | 0.1 | 0.1 | ug/L |
| 117-81-7 | Bis(2-ethylhexyl)phthalate | 0.38 | | 0.14 | 0.2 | 0.2 | ug/L |
| 205-99-2 | Benzo(b)fluoranthene | 0.3 | | 0.03 | 0.1 | 0.1 | ug/L |
| 207-08-9 | Benzo(k)fluoranthene | 0.34 | | 0.03 | 0.1 | 0.1 | ug/L |
| 50-32-8 | Benzo(a)pyrene | 0.33 | | 0.06 | 0.1 | 0.1 | ug/L |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 0.32 | | 0.04 | 0.1 | 0.1 | ug/L |
| 53-70-3 | Dibenzo(a,h)anthracene | 0.32 | | 0.04 | 0.1 | 0.1 | ug/L |
| 191-24-2 | Benzo(g,h,i)perylene | 0.33 | | 0.04 | 0.1 | 0.1 | ug/L |
| 123-91-1 | 1,4-Dioxane | 0.45 | | 0.07 | 0.2 | 0.2 | ug/L |

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# Report of Analysis

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|---|---|---|---|---|---|
| Client: | | | | Date Collected: | 7/19/2024 12:00:00 AM |
| Project: | | | | Date Received: | 7/19/2024 12:00:00 AM |
| Client Sample ID: | PB162161BS | | | SDG No.: | BN072724 |
| Lab Sample ID: | PB162161BS | | | 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 |
|---|---|---|---|---|
| BN033048.D | 1 | 7/19/2024 12:00:00 AM | 7/28/2024 12:00:00 AM | PB162161 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **SURROGATES** | | | | | | | |
| 7297-45-2 | 2-Methylnaphthalene-d10 | 0.4 | | 30-150 | | 100 | SPK: -0.4 |
| 93951-69-0 | Fluoranthene-d10 | 0.389 | | 30-150 | | 97 | SPK: -0.4 |
| 367-12-4 | 2-Fluorophenol | 0.445 | * | 10-92 | | 111 | SPK: -0.4 |
| 13127-88-3 | Phenol-d6 | 0.535 | * | 10-100 | | 134 | SPK: -0.4 |
| 4165-60-0 | Nitrobenzene-d5 | 0.388 | | 11-175 | | 97 | SPK: -0.4 |
| 321-60-8 | 2-Fluorobiphenyl | 0.34 | | 10-175 | | 85 | SPK: -0.4 |
| 118-79-6 | 2,4,6-Tribromophenol | 0.345 | | 24-148 | | 86 | SPK: -0.4 |
| 1718-51-0 | Terphenyl-d14 | 0.369 | | 54-171 | | 92 | SPK: -0.4 |
| **INTERNAL STANDARDS** | | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 2100 | 7.524 | | | | |
| 1146-65-2 | Naphthalene-d8 | 7941 | 10.319 | | | | |
| 15067-26-2 | Acenaphthene-d10 | 5657 | 14.165 | | | | |
| 1517-22-2 | Phenanthrene-d10 | 12217 | 16.939 | | | | |
| 1719-03-5 | Chrysene-d12 | 11522 | 21.158 | | | | |
| 1520-96-3 | Perylene-d12 | 12864 | 23.345 | | | | |

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Fax : 908 789 8922

# Report of Analysis

| | | | | | |
|---|---|---|---|---|---|
| Client: | | | | Date Collected: | 7/19/2024 12:00:00 AM |
| Project: | | | | Date Received: | 7/19/2024 12:00:00 AM |
| Client Sample ID: | PB162161BSD | | | SDG No.: | BN072724 |
| Lab Sample ID: | PB162161BSD | | | 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 |
|---|---|---|---|---|
| BN033049.D | 1 | 7/19/2024 12:00:00 AM | 7/28/2024 12:00:00 AM | PB162161 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 62-75-9 | n-Nitrosodimethylamine | 0.28 | | 0.03 | 0.2 | 0.2 | ug/L |
| 111-44-4 | bis(2-Chloroethyl)ether | 0.41 | | 0.03 | 0.1 | 0.1 | ug/L |
| 91-20-3 | Naphthalene | 0.38 | | 0.02 | 0.1 | 0.1 | ug/L |
| 87-68-3 | Hexachlorobutadiene | 0.41 | | 0.03 | 0.1 | 0.1 | ug/L |
| 91-57-6 | 2-Methylnaphthalene | 0.36 | | 0.03 | 0.1 | 0.1 | ug/L |
| 208-96-8 | Acenaphthylene | 0.36 | | 0.02 | 0.1 | 0.1 | ug/L |
| 83-32-9 | Acenaphthene | 0.37 | | 0.02 | 0.1 | 0.1 | ug/L |
| Total PAH | Total PAH | 5.43 | | 0.45 | 0.1 | 1.6 | ug/L |
| 86-73-7 | Fluorene | 0.37 | | 0.02 | 0.1 | 0.1 | ug/L |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 0.37 | | 0.14 | 0.2 | 0.2 | ug/L |
| 101-55-3 | 4-Bromophenyl-phenylether | 0.33 | | 0.03 | 0.1 | 0.1 | ug/L |
| 118-74-1 | Hexachlorobenzene | 0.37 | | 0.03 | 0.1 | 0.1 | ug/L |
| 1912-24-9 | Atrazine | 0.36 | | 0.02 | 0.1 | 0.1 | ug/L |
| 87-86-5 | Pentachlorophenol | 0.28 | | 0.09 | 0.2 | 0.2 | ug/L |
| 85-01-8 | Phenanthrene | 0.35 | | 0.02 | 0.1 | 0.1 | ug/L |
| 120-12-7 | Anthracene | 0.28 | | 0.02 | 0.1 | 0.1 | ug/L |
| 206-44-0 | Fluoranthene | 0.36 | | 0.02 | 0.1 | 0.1 | ug/L |
| 129-00-0 | Pyrene | 0.33 | | 0.02 | 0.1 | 0.1 | ug/L |
| 56-55-3 | Benzo(a)anthracene | 0.31 | | 0.02 | 0.1 | 0.1 | ug/L |
| 218-01-9 | Chrysene | 0.39 | | 0.03 | 0.1 | 0.1 | ug/L |
| 117-81-7 | Bis(2-ethylhexyl)phthalate | 0.38 | | 0.14 | 0.2 | 0.2 | ug/L |
| 205-99-2 | Benzo(b)fluoranthene | 0.3 | | 0.03 | 0.1 | 0.1 | ug/L |
| 207-08-9 | Benzo(k)fluoranthene | 0.34 | | 0.03 | 0.1 | 0.1 | ug/L |
| 50-32-8 | Benzo(a)pyrene | 0.33 | | 0.06 | 0.1 | 0.1 | ug/L |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 0.32 | | 0.04 | 0.1 | 0.1 | ug/L |
| 53-70-3 | Dibenzo(a,h)anthracene | 0.32 | | 0.04 | 0.1 | 0.1 | ug/L |
| 191-24-2 | Benzo(g,h,i)perylene | 0.32 | | 0.04 | 0.1 | 0.1 | ug/L |
| 123-91-1 | 1,4-Dioxane | 0.47 | | 0.07 | 0.2 | 0.2 | ug/L |

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# Report of Analysis

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|---|---|---|---|---|---|
| Client: | | | | Date Collected: | 7/19/2024 12:00:00 AM |
| Project: | | | | Date Received: | 7/19/2024 12:00:00 AM |
| Client Sample ID: | PB162161BSD | | | SDG No.: | BN072724 |
| Lab Sample ID: | PB162161BSD | | | 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 |
|---|---|---|---|---|
| BN033049.D | 1 | 7/19/2024 12:00:00 AM | 7/28/2024 12:00:00 AM | PB162161 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **SURROGATES** | | | | | | | |
| 7297-45-2 | 2-Methylnaphthalene-d10 | 0.404 | | 30-150 | | 101 | SPK: -0.4 |
| 93951-69-0 | Fluoranthene-d10 | 0.385 | | 30-150 | | 96 | SPK: -0.4 |
| 367-12-4 | 2-Fluorophenol | 0.448 | * | 10-92 | | 112 | SPK: -0.4 |
| 13127-88-3 | Phenol-d6 | 0.548 | * | 10-100 | | 137 | SPK: -0.4 |
| 4165-60-0 | Nitrobenzene-d5 | 0.386 | | 11-175 | | 97 | SPK: -0.4 |
| 321-60-8 | 2-Fluorobiphenyl | 0.313 | | 10-175 | | 78 | SPK: -0.4 |
| 118-79-6 | 2,4,6-Tribromophenol | 0.334 | | 24-148 | | 83 | SPK: -0.4 |
| 1718-51-0 | Terphenyl-d14 | 0.371 | | 54-171 | | 93 | SPK: -0.4 |
| **INTERNAL STANDARDS** | | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 2334 | 7.524 | | | | |
| 1146-65-2 | Naphthalene-d8 | 8751 | 10.319 | | | | |
| 15067-26-2 | Acenaphthene-d10 | 6204 | 14.158 | | | | |
| 1517-22-2 | Phenanthrene-d10 | 13394 | 16.945 | | | | |
| 1719-03-5 | Chrysene-d12 | 12376 | 21.152 | | | | |
| 1520-96-3 | Perylene-d12 | 13656 | 23.344 | | | | |

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# Report of Analysis

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|---|---|---|---|---|---|
| Client: | | | | Date Collected: | 7/19/2024 12:00:00 AM |
| Project: | | | | Date Received: | 7/19/2024 12:00:00 AM |
| Client Sample ID: | PB162161BL | | | SDG No.: | BN072724 |
| Lab Sample ID: | PB162161BL | | | 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 |
|---|---|---|---|---|
| BN033050.D | 1 | 7/19/2024 12:00:00 AM | 7/28/2024 12:00:00 AM | PB162161 |

| 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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# Report of Analysis

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|---|---|---|---|---|---|
| Client: | | | | Date Collected: | 7/19/2024 12:00:00 AM |
| Project: | | | | Date Received: | 7/19/2024 12:00:00 AM |
| Client Sample ID: | PB162161BL | | | SDG No.: | BN072724 |
| Lab Sample ID: | PB162161BL | | | 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 |
|---|---|---|---|---|
| BN033050.D | 1 | 7/19/2024 12:00:00 AM | 7/28/2024 12:00:00 AM | PB162161 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **SURROGATES** | | | | | | | |
| 7297-45-2 | 2-Methylnaphthalene-d10 | 0.32 | | 30-150 | | 80 | SPK: -0.4 |
| 93951-69-0 | Fluoranthene-d10 | 0.361 | | 30-150 | | 90 | SPK: -0.4 |
| 367-12-4 | 2-Fluorophenol | 0.338 | | 10-92 | | 84 | SPK: -0.4 |
| 13127-88-3 | Phenol-d6 | 0.436 | * | 10-100 | | 109 | SPK: -0.4 |
| 4165-60-0 | Nitrobenzene-d5 | 0.312 | | 11-175 | | 78 | SPK: -0.4 |
| 321-60-8 | 2-Fluorobiphenyl | 0.286 | | 10-175 | | 72 | SPK: -0.4 |
| 118-79-6 | 2,4,6-Tribromophenol | 0.149 | | 24-148 | | 37 | SPK: -0.4 |
| 1718-51-0 | Terphenyl-d14 | 0.394 | | 54-171 | | 98 | SPK: -0.4 |
| **INTERNAL STANDARDS** | | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 3452 | 7.575 | | | | |
| 1146-65-2 | Naphthalene-d8 | 12933 | 10.415 | | | | |
| 15067-26-2 | Acenaphthene-d10 | 8660 | 14.201 | | | | |
| 1517-22-2 | Phenanthrene-d10 | 17606 | 16.982 | | | | |
| 1719-03-5 | Chrysene-d12 | 17027 | 21.178 | | | | |
| 1520-96-3 | Perylene-d12 | 17299 | 23.356 | | | | |

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# Report of Analysis

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|---|---|---|---|---|---|
| Client: | | | | Date Collected: | 7/18/2024 12:00:00 AM |
| Project: | | | | Date Received: | 7/18/2024 12:00:00 AM |
| Client Sample ID: | BP-VPB-196-EB-20240718 | | | SDG No.: | BN072724 |
| Lab Sample ID: | P3338-02 | | | Matrix: | Water |
| Analytical Method: | 8270-Modified | | | % Moisture: | 100 |
| Sample Wt/Vol: | 880 | 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 |
|---|---|---|---|---|
| BN033051.D | 1 | 7/23/2024 12:00:00 AM | 7/28/2024 12:00:00 AM | PB162236 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 62-75-9 | n-Nitrosodimethylamine | 0.03 | U | 0.03 | 0.23 | 0.23 | ug/L |
| 111-44-4 | bis(2-Chloroethyl)ether | 0.03 | U | 0.03 | 0.11 | 0.11 | ug/L |
| 91-20-3 | Naphthalene | 0.03 | U | 0.03 | 0.11 | 0.11 | ug/L |
| 87-68-3 | Hexachlorobutadiene | 0.03 | U | 0.03 | 0.11 | 0.11 | ug/L |
| 91-57-6 | 2-Methylnaphthalene | 0.03 | U | 0.03 | 0.11 | 0.11 | ug/L |
| 208-96-8 | Acenaphthylene | 0.02 | U | 0.02 | 0.11 | 0.11 | ug/L |
| 83-32-9 | Acenaphthene | 0.02 | U | 0.02 | 0.11 | 0.11 | ug/L |
| Total PAH | Total PAH | 0.52 | U | 0.52 | 0.11 | 1.76 | ug/L |
| 86-73-7 | Fluorene | 0.03 | J | 0.02 | 0.11 | 0.11 | ug/L |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 0.16 | U | 0.16 | 0.23 | 0.23 | ug/L |
| 101-55-3 | 4-Bromophenyl-phenylether | 0.03 | U | 0.03 | 0.11 | 0.11 | ug/L |
| 118-74-1 | Hexachlorobenzene | 0.03 | U | 0.03 | 0.11 | 0.11 | ug/L |
| 1912-24-9 | Atrazine | 0.03 | U | 0.03 | 0.11 | 0.11 | ug/L |
| 87-86-5 | Pentachlorophenol | 0.1 | U | 0.1 | 0.23 | 0.23 | ug/L |
| 85-01-8 | Phenanthrene | 0.05 | J | 0.02 | 0.11 | 0.11 | ug/L |
| 120-12-7 | Anthracene | 0.03 | U | 0.03 | 0.11 | 0.11 | ug/L |
| 206-44-0 | Fluoranthene | 0.04 | J | 0.03 | 0.11 | 0.11 | ug/L |
| 129-00-0 | Pyrene | 0.03 | J | 0.03 | 0.11 | 0.11 | ug/L |
| 56-55-3 | Benzo(a)anthracene | 0.03 | U | 0.03 | 0.11 | 0.11 | ug/L |
| 218-01-9 | Chrysene | 0.03 | U | 0.03 | 0.11 | 0.11 | ug/L |
| 117-81-7 | Bis(2-ethylhexyl)phthalate | 1.9 | | 0.16 | 0.23 | 0.23 | ug/L |
| 205-99-2 | Benzo(b)fluoranthene | 0.04 | U | 0.04 | 0.11 | 0.11 | ug/L |
| 207-08-9 | Benzo(k)fluoranthene | 0.04 | U | 0.04 | 0.11 | 0.11 | ug/L |
| 50-32-8 | Benzo(a)pyrene | 0.06 | U | 0.06 | 0.11 | 0.11 | ug/L |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 0.04 | U | 0.04 | 0.11 | 0.11 | ug/L |
| 53-70-3 | Dibenzo(a,h)anthracene | 0.04 | U | 0.04 | 0.11 | 0.11 | ug/L |
| 191-24-2 | Benzo(g,h,i)perylene | 0.04 | U | 0.04 | 0.11 | 0.11 | ug/L |
| 123-91-1 | 1,4-Dioxane | 0.2 | J | 0.08 | 0.23 | 0.23 | ug/L |

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# Report of Analysis

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|---|---|---|---|---|---|
| Client: | | | | Date Collected: | 7/18/2024 12:00:00 AM |
| Project: | | | | Date Received: | 7/18/2024 12:00:00 AM |
| Client Sample ID: | BP-VPB-196-EB-20240718 | | | SDG No.: | BN072724 |
| Lab Sample ID: | P3338-02 | | | Matrix: | Water |
| Analytical Method: | 8270-Modified | | | % Moisture: | 100 |
| Sample Wt/Vol: | 880 | 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 |
|---|---|---|---|---|
| BN033051.D | 1 | 7/23/2024 12:00:00 AM | 7/28/2024 12:00:00 AM | PB162236 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **SURROGATES** | | | | | | | |
| 7297-45-2 | 2-Methylnaphthalene-d10 | 0.298 | | 30-150 | | 75 | SPK: -0.4 |
| 93951-69-0 | Fluoranthene-d10 | 0.42 | | 30-150 | | 105 | SPK: -0.4 |
| 367-12-4 | 2-Fluorophenol | 0.289 | | 10-92 | | 72 | SPK: -0.4 |
| 13127-88-3 | Phenol-d6 | 0.189 | | 10-100 | | 47 | SPK: -0.4 |
| 4165-60-0 | Nitrobenzene-d5 | 0.411 | | 11-175 | | 103 | SPK: -0.4 |
| 321-60-8 | 2-Fluorobiphenyl | 0.343 | | 10-175 | | 86 | SPK: -0.4 |
| 118-79-6 | 2,4,6-Tribromophenol | 0.346 | | 24-148 | | 86 | SPK: -0.4 |
| 1718-51-0 | Terphenyl-d14 | 0.494 | | 54-171 | | 123 | SPK: -0.4 |
| **INTERNAL STANDARDS** | | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 2002 | 7.596 | | | | |
| 1146-65-2 | Naphthalene-d8 | 7878 | 10.34 | | | | |
| 15067-26-2 | Acenaphthene-d10 | 4675 | 14.179 | | | | |
| 1517-22-2 | Phenanthrene-d10 | 12065 | 16.957 | | | | |
| 1719-03-5 | Chrysene-d12 | 10285 | 21.178 | | | | |
| 1520-96-3 | Perylene-d12 | 10233 | 23.367 | | | | |

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Fax : 908 789 8922

# Report of Analysis

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|---|---|---|---|---|---|
| Client: | | | | Date Collected: | 7/18/2024 12:00:00 AM |
| Project: | | | | Date Received: | 7/18/2024 12:00:00 AM |
| Client Sample ID: | VPB196-HYD-20240718 | | | SDG No.: | BN072724 |
| Lab Sample ID: | P3338-03 | | | Matrix: | Water |
| Analytical Method: | 8270-Modified | | | % Moisture: | 100 |
| Sample Wt/Vol: | 930 | 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 |
|---|---|---|---|---|
| BN033052.D | 1 | 7/23/2024 12:00:00 AM | 7/28/2024 12:00:00 AM | PB162236 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 62-75-9 | n-Nitrosodimethylamine | 0.03 | U | 0.03 | 0.22 | 0.22 | ug/L |
| 111-44-4 | bis(2-Chloroethyl)ether | 0.03 | U | 0.03 | 0.11 | 0.11 | ug/L |
| 91-20-3 | Naphthalene | 0.03 | U | 0.03 | 0.11 | 0.11 | ug/L |
| 87-68-3 | Hexachlorobutadiene | 0.03 | U | 0.03 | 0.11 | 0.11 | ug/L |
| 91-57-6 | 2-Methylnaphthalene | 0.03 | U | 0.03 | 0.11 | 0.11 | ug/L |
| 208-96-8 | Acenaphthylene | 0.02 | U | 0.02 | 0.11 | 0.11 | ug/L |
| 83-32-9 | Acenaphthene | 0.02 | U | 0.02 | 0.11 | 0.11 | ug/L |
| Total PAH | Total PAH | 0.48 | U | 0.48 | 0.11 | 1.76 | ug/L |
| 86-73-7 | Fluorene | 0.02 | U | 0.02 | 0.11 | 0.11 | ug/L |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 0.15 | U | 0.15 | 0.22 | 0.22 | ug/L |
| 101-55-3 | 4-Bromophenyl-phenylether | 0.03 | U | 0.03 | 0.11 | 0.11 | ug/L |
| 118-74-1 | Hexachlorobenzene | 0.03 | U | 0.03 | 0.11 | 0.11 | ug/L |
| 1912-24-9 | Atrazine | 0.02 | U | 0.02 | 0.11 | 0.11 | ug/L |
| 87-86-5 | Pentachlorophenol | 0.1 | U | 0.1 | 0.22 | 0.22 | ug/L |
| 85-01-8 | Phenanthrene | 0.02 | U | 0.02 | 0.11 | 0.11 | ug/L |
| 120-12-7 | Anthracene | 0.03 | U | 0.03 | 0.11 | 0.11 | ug/L |
| 206-44-0 | Fluoranthene | 0.02 | U | 0.02 | 0.11 | 0.11 | ug/L |
| 129-00-0 | Pyrene | 0.02 | U | 0.02 | 0.11 | 0.11 | ug/L |
| 56-55-3 | Benzo(a)anthracene | 0.02 | U | 0.02 | 0.11 | 0.11 | ug/L |
| 218-01-9 | Chrysene | 0.03 | U | 0.03 | 0.11 | 0.11 | ug/L |
| 117-81-7 | Bis(2-ethylhexyl)phthalate | 0.15 | U | 0.15 | 0.22 | 0.22 | ug/L |
| 205-99-2 | Benzo(b)fluoranthene | 0.03 | U | 0.03 | 0.11 | 0.11 | ug/L |
| 207-08-9 | Benzo(k)fluoranthene | 0.04 | U | 0.04 | 0.11 | 0.11 | ug/L |
| 50-32-8 | Benzo(a)pyrene | 0.06 | U | 0.06 | 0.11 | 0.11 | ug/L |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 0.04 | U | 0.04 | 0.11 | 0.11 | ug/L |
| 53-70-3 | Dibenzo(a,h)anthracene | 0.04 | U | 0.04 | 0.11 | 0.11 | ug/L |
| 191-24-2 | Benzo(g,h,i)perylene | 0.04 | U | 0.04 | 0.11 | 0.11 | ug/L |
| 123-91-1 | 1,4-Dioxane | 0.14 | J | 0.07 | 0.22 | 0.22 | ug/L |

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# Report of Analysis

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|---|---|---|---|---|---|
| Client: | | | | Date Collected: | 7/18/2024 12:00:00 AM |
| Project: | | | | Date Received: | 7/18/2024 12:00:00 AM |
| Client Sample ID: | VPB196-HYD-20240718 | | | SDG No.: | BN072724 |
| Lab Sample ID: | P3338-03 | | | Matrix: | Water |
| Analytical Method: | 8270-Modified | | | % Moisture: | 100 |
| Sample Wt/Vol: | 930 | 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 |
|---|---|---|---|---|
| BN033052.D | 1 | 7/23/2024 12:00:00 AM | 7/28/2024 12:00:00 AM | PB162236 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **SURROGATES** | | | | | | | |
| 7297-45-2 | 2-Methylnaphthalene-d10 | 0.001 | * | 30-150 | | 0 | SPK: -0.4 |
| 93951-69-0 | Fluoranthene-d10 | 0.225 | | 30-150 | | 56 | SPK: -0.4 |
| 367-12-4 | 2-Fluorophenol | 0.059 | | 10-92 | | 15 | SPK: -0.4 |
| 13127-88-3 | Phenol-d6 | 0.007 | * | 10-100 | | 2 | SPK: -0.4 |
| 4165-60-0 | Nitrobenzene-d5 | 0.416 | | 11-175 | | 104 | SPK: -0.4 |
| 321-60-8 | 2-Fluorobiphenyl | 0.34 | | 10-175 | | 85 | SPK: -0.4 |
| 118-79-6 | 2,4,6-Tribromophenol | 0.246 | | 24-148 | | 62 | SPK: -0.4 |
| 1718-51-0 | Terphenyl-d14 | 0.485 | | 54-171 | | 121 | SPK: -0.4 |
| **INTERNAL STANDARDS** | | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 2197 | 7.561 | | | | |
| 1146-65-2 | Naphthalene-d8 | 9248 | 10.372 | | | | |
| 15067-26-2 | Acenaphthene-d10 | 6093 | 14.19 | | | | |
| 1517-22-2 | Phenanthrene-d10 | 13064 | 16.97 | | | | |
| 1719-03-5 | Chrysene-d12 | 11044 | 21.169 | | | | |
| 1520-96-3 | Perylene-d12 | 9531 | 23.367 | | | | |

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# Report of Analysis

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|---|---|---|---|---|---|
| Client: | | | | Date Collected: | 7/23/2024 12:00:00 AM |
| Project: | | | | Date Received: | 7/23/2024 12:00:00 AM |
| Client Sample ID: | PB162236BL | | | SDG No.: | BN072724 |
| Lab Sample ID: | PB162236BL | | | 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 |
|---|---|---|---|---|
| BN033056.D | 1 | 7/23/2024 12:00:00 AM | 7/28/2024 12:00:00 AM | PB162236 |

| 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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# Report of Analysis

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|---|---|---|---|---|---|
| Client: | | | | Date Collected: | 7/23/2024 12:00:00 AM |
| Project: | | | | Date Received: | 7/23/2024 12:00:00 AM |
| Client Sample ID: | PB162236BL | | | SDG No.: | BN072724 |
| Lab Sample ID: | PB162236BL | | | 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 |
|---|---|---|---|---|
| BN033056.D | 1 | 7/23/2024 12:00:00 AM | 7/28/2024 12:00:00 AM | PB162236 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **SURROGATES** | | | | | | | |
| 7297-45-2 | 2-Methylnaphthalene-d10 | 0.35 | | 30-150 | | 88 | SPK: -0.4 |
| 93951-69-0 | Fluoranthene-d10 | 0.429 | | 30-150 | | 107 | SPK: -0.4 |
| 367-12-4 | 2-Fluorophenol | 0.411 | * | 10-92 | | 103 | SPK: -0.4 |
| 13127-88-3 | Phenol-d6 | 0.407 | * | 10-100 | | 102 | SPK: -0.4 |
| 4165-60-0 | Nitrobenzene-d5 | 0.411 | | 11-175 | | 103 | SPK: -0.4 |
| 321-60-8 | 2-Fluorobiphenyl | 0.35 | | 10-175 | | 88 | SPK: -0.4 |
| 118-79-6 | 2,4,6-Tribromophenol | 0.21 | | 24-148 | | 52 | SPK: -0.4 |
| 1718-51-0 | Terphenyl-d14 | 0.434 | | 54-171 | | 108 | SPK: -0.4 |
| **INTERNAL STANDARDS** | | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 2873 | 7.589 | | | | |
| 1146-65-2 | Naphthalene-d8 | 9361 | 10.49 | | | | |
| 15067-26-2 | Acenaphthene-d10 | 5708 | 14.229 | | | | |
| 1517-22-2 | Phenanthrene-d10 | 10377 | 17.026 | | | | |
| 1719-03-5 | Chrysene-d12 | 9562 | 21.194 | | | | |
| 1520-96-3 | Perylene-d12 | 9511 | 23.377 | | | | |

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# Report of Analysis

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|---|---|---|---|---|---|
| Client: | | | | Date Collected: | 7/23/2024 12:00:00 AM |
| Project: | | | | Date Received: | 7/23/2024 12:00:00 AM |
| Client Sample ID: | PB162236BS | | | SDG No.: | BN072724 |
| Lab Sample ID: | PB162236BS | | | 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 |
|---|---|---|---|---|
| BN033057.D | 1 | 7/23/2024 12:00:00 AM | 7/28/2024 12:00:00 AM | PB162236 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 62-75-9 | n-Nitrosodimethylamine | 0.41 | | 0.03 | 0.2 | 0.2 | ug/L |
| 111-44-4 | bis(2-Chloroethyl)ether | 0.36 | | 0.03 | 0.1 | 0.1 | ug/L |
| 91-20-3 | Naphthalene | 0.4 | | 0.02 | 0.1 | 0.1 | ug/L |
| 87-68-3 | Hexachlorobutadiene | 0.39 | | 0.03 | 0.1 | 0.1 | ug/L |
| 91-57-6 | 2-Methylnaphthalene | 0.37 | | 0.03 | 0.1 | 0.1 | ug/L |
| 208-96-8 | Acenaphthylene | 0.38 | | 0.02 | 0.1 | 0.1 | ug/L |
| 83-32-9 | Acenaphthene | 0.4 | | 0.02 | 0.1 | 0.1 | ug/L |
| Total PAH | Total PAH | 5.95 | | 0.45 | 0.1 | 1.6 | ug/L |
| 86-73-7 | Fluorene | 0.4 | | 0.02 | 0.1 | 0.1 | ug/L |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 0.38 | | 0.14 | 0.2 | 0.2 | ug/L |
| 101-55-3 | 4-Bromophenyl-phenylether | 0.36 | | 0.03 | 0.1 | 0.1 | ug/L |
| 118-74-1 | Hexachlorobenzene | 0.35 | | 0.03 | 0.1 | 0.1 | ug/L |
| 1912-24-9 | Atrazine | 0.37 | | 0.02 | 0.1 | 0.1 | ug/L |
| 87-86-5 | Pentachlorophenol | 0.22 | | 0.09 | 0.2 | 0.2 | ug/L |
| 85-01-8 | Phenanthrene | 0.37 | | 0.02 | 0.1 | 0.1 | ug/L |
| 120-12-7 | Anthracene | 0.3 | | 0.02 | 0.1 | 0.1 | ug/L |
| 206-44-0 | Fluoranthene | 0.38 | | 0.02 | 0.1 | 0.1 | ug/L |
| 129-00-0 | Pyrene | 0.38 | | 0.02 | 0.1 | 0.1 | ug/L |
| 56-55-3 | Benzo(a)anthracene | 0.33 | | 0.02 | 0.1 | 0.1 | ug/L |
| 218-01-9 | Chrysene | 0.43 | | 0.03 | 0.1 | 0.1 | ug/L |
| 117-81-7 | Bis(2-ethylhexyl)phthalate | 0.52 | | 0.14 | 0.2 | 0.2 | ug/L |
| 205-99-2 | Benzo(b)fluoranthene | 0.36 | | 0.03 | 0.1 | 0.1 | ug/L |
| 207-08-9 | Benzo(k)fluoranthene | 0.39 | | 0.03 | 0.1 | 0.1 | ug/L |
| 50-32-8 | Benzo(a)pyrene | 0.36 | | 0.06 | 0.1 | 0.1 | ug/L |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 0.35 | | 0.04 | 0.1 | 0.1 | ug/L |
| 53-70-3 | Dibenzo(a,h)anthracene | 0.35 | | 0.04 | 0.1 | 0.1 | ug/L |
| 191-24-2 | Benzo(g,h,i)perylene | 0.37 | | 0.04 | 0.1 | 0.1 | ug/L |
| 123-91-1 | 1,4-Dioxane | 0.44 | | 0.07 | 0.2 | 0.2 | ug/L |

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# Report of Analysis

| | | | | | |
|---|---|---|---|---|---|
| Client: | | | | Date Collected: | 7/23/2024 12:00:00 AM |
| Project: | | | | Date Received: | 7/23/2024 12:00:00 AM |
| Client Sample ID: | PB162236BS | | | SDG No.: | BN072724 |
| Lab Sample ID: | PB162236BS | | | 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 |
|---|---|---|---|---|
| BN033057.D | 1 | 7/23/2024 12:00:00 AM | 7/28/2024 12:00:00 AM | PB162236 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **SURROGATES** | | | | | | | |
| 7297-45-2 | 2-Methylnaphthalene-d10 | 0.391 | | 30-150 | | 98 | SPK: -0.4 |
| 93951-69-0 | Fluoranthene-d10 | 0.381 | | 30-150 | | 95 | SPK: -0.4 |
| 367-12-4 | 2-Fluorophenol | 0.459 | * | 10-92 | | 115 | SPK: -0.4 |
| 13127-88-3 | Phenol-d6 | 0.517 | * | 10-100 | | 129 | SPK: -0.4 |
| 4165-60-0 | Nitrobenzene-d5 | 0.423 | | 11-175 | | 106 | SPK: -0.4 |
| 321-60-8 | 2-Fluorobiphenyl | 0.373 | | 10-175 | | 93 | SPK: -0.4 |
| 118-79-6 | 2,4,6-Tribromophenol | 0.309 | | 24-148 | | 77 | SPK: -0.4 |
| 1718-51-0 | Terphenyl-d14 | 0.363 | | 54-171 | | 91 | SPK: -0.4 |
| **INTERNAL STANDARDS** | | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 3193 | 7.524 | | | | |
| 1146-65-2 | Naphthalene-d8 | 11413 | 10.319 | | | | |
| 15067-26-2 | Acenaphthene-d10 | 7782 | 14.158 | | | | |
| 1517-22-2 | Phenanthrene-d10 | 17027 | 16.945 | | | | |
| 1719-03-5 | Chrysene-d12 | 14521 | 21.152 | | | | |
| 1520-96-3 | Perylene-d12 | 15008 | 23.347 | | | | |

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Fax : 908 789 8922

# Report of Analysis

| | | | | | |
|---|---|---|---|---|---|
| Client: | | | | Date Collected: | 7/23/2024 12:00:00 AM |
| Project: | | | | Date Received: | 7/23/2024 12:00:00 AM |
| Client Sample ID: | PB162236BSD | | | SDG No.: | BN072724 |
| Lab Sample ID: | PB162236BSD | | | 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 |
|---|---|---|---|---|
| BN033058.D | 1 | 7/23/2024 12:00:00 AM | 7/28/2024 12:00:00 AM | PB162236 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 62-75-9 | n-Nitrosodimethylamine | 0.45 | | 0.03 | 0.2 | 0.2 | ug/L |
| 111-44-4 | bis(2-Chloroethyl)ether | 0.36 | | 0.03 | 0.1 | 0.1 | ug/L |
| 91-20-3 | Naphthalene | 0.4 | | 0.02 | 0.1 | 0.1 | ug/L |
| 87-68-3 | Hexachlorobutadiene | 0.39 | | 0.03 | 0.1 | 0.1 | ug/L |
| 91-57-6 | 2-Methylnaphthalene | 0.37 | | 0.03 | 0.1 | 0.1 | ug/L |
| 208-96-8 | Acenaphthylene | 0.38 | | 0.02 | 0.1 | 0.1 | ug/L |
| 83-32-9 | Acenaphthene | 0.4 | | 0.02 | 0.1 | 0.1 | ug/L |
| Total PAH | Total PAH | 6 | | 0.45 | 0.1 | 1.6 | ug/L |
| 86-73-7 | Fluorene | 0.39 | | 0.02 | 0.1 | 0.1 | ug/L |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 0.36 | | 0.14 | 0.2 | 0.2 | ug/L |
| 101-55-3 | 4-Bromophenyl-phenylether | 0.37 | | 0.03 | 0.1 | 0.1 | ug/L |
| 118-74-1 | Hexachlorobenzene | 0.35 | | 0.03 | 0.1 | 0.1 | ug/L |
| 1912-24-9 | Atrazine | 0.39 | | 0.02 | 0.1 | 0.1 | ug/L |
| 87-86-5 | Pentachlorophenol | 0.23 | | 0.09 | 0.2 | 0.2 | ug/L |
| 85-01-8 | Phenanthrene | 0.38 | | 0.02 | 0.1 | 0.1 | ug/L |
| 120-12-7 | Anthracene | 0.31 | | 0.02 | 0.1 | 0.1 | ug/L |
| 206-44-0 | Fluoranthene | 0.38 | | 0.02 | 0.1 | 0.1 | ug/L |
| 129-00-0 | Pyrene | 0.39 | | 0.02 | 0.1 | 0.1 | ug/L |
| 56-55-3 | Benzo(a)anthracene | 0.33 | | 0.02 | 0.1 | 0.1 | ug/L |
| 218-01-9 | Chrysene | 0.42 | | 0.03 | 0.1 | 0.1 | ug/L |
| 117-81-7 | Bis(2-ethylhexyl)phthalate | 0.51 | | 0.14 | 0.2 | 0.2 | ug/L |
| 205-99-2 | Benzo(b)fluoranthene | 0.36 | | 0.03 | 0.1 | 0.1 | ug/L |
| 207-08-9 | Benzo(k)fluoranthene | 0.39 | | 0.03 | 0.1 | 0.1 | ug/L |
| 50-32-8 | Benzo(a)pyrene | 0.37 | | 0.06 | 0.1 | 0.1 | ug/L |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 0.36 | | 0.04 | 0.1 | 0.1 | ug/L |
| 53-70-3 | Dibenzo(a,h)anthracene | 0.36 | | 0.04 | 0.1 | 0.1 | ug/L |
| 191-24-2 | Benzo(g,h,i)perylene | 0.38 | | 0.04 | 0.1 | 0.1 | ug/L |
| 123-91-1 | 1,4-Dioxane | 0.46 | | 0.07 | 0.2 | 0.2 | ug/L |

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Fax : 908 789 8922

# Report of Analysis

| | | | | | |
|---|---|---|---|---|---|
| Client: | | | | Date Collected: | 7/23/2024 12:00:00 AM |
| Project: | | | | Date Received: | 7/23/2024 12:00:00 AM |
| Client Sample ID: | PB162236BSD | | | SDG No.: | BN072724 |
| Lab Sample ID: | PB162236BSD | | | 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 |
|---|---|---|---|---|
| BN033058.D | 1 | 7/23/2024 12:00:00 AM | 7/28/2024 12:00:00 AM | PB162236 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **SURROGATES** | | | | | | | |
| 7297-45-2 | 2-Methylnaphthalene-d10 | 0.385 | | 30-150 | | 96 | SPK: -0.4 |
| 93951-69-0 | Fluoranthene-d10 | 0.383 | | 30-150 | | 96 | SPK: -0.4 |
| 367-12-4 | 2-Fluorophenol | 0.462 | * | 10-92 | | 115 | SPK: -0.4 |
| 13127-88-3 | Phenol-d6 | 0.52 | * | 10-100 | | 130 | SPK: -0.4 |
| 4165-60-0 | Nitrobenzene-d5 | 0.446 | | 11-175 | | 112 | SPK: -0.4 |
| 321-60-8 | 2-Fluorobiphenyl | 0.32 | | 10-175 | | 80 | SPK: -0.4 |
| 118-79-6 | 2,4,6-Tribromophenol | 0.307 | | 24-148 | | 77 | SPK: -0.4 |
| 1718-51-0 | Terphenyl-d14 | 0.377 | | 54-171 | | 94 | SPK: -0.4 |
| **INTERNAL STANDARDS** | | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 3461 | 7.517 | | | | |
| 1146-65-2 | Naphthalene-d8 | 11668 | 10.319 | | | | |
| 15067-26-2 | Acenaphthene-d10 | 7851 | 14.158 | | | | |
| 1517-22-2 | Phenanthrene-d10 | 16847 | 16.945 | | | | |
| 1719-03-5 | Chrysene-d12 | 13780 | 21.152 | | | | |
| 1520-96-3 | Perylene-d12 | 13410 | 23.347 | | | | |

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Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | | Date Collected: | 7/18/2024 12:00:00 AM |
| Project: | | Date Received: | 7/18/2024 12:00:00 AM |
| Client Sample ID: | BP-VPB-196-GW-1000-1002 | SDG No.: | BN072724 |
| Lab Sample ID: | P3338-04 | Matrix: | Water |
| Analytical Method: | 8270-Modified | % Moisture: | 100 |
| Sample Wt/Vol: | 650 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 |
|---|---|---|---|---|
| BN033059.D | 1 | 7/23/2024 12:00:00 AM | 7/28/2024 12:00:00 AM | PB162236 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 62-75-9 | n-Nitrosodimethylamine | 0.05 | U | 0.05 | 0.31 | 0.31 | ug/L |
| 111-44-4 | bis(2-Chloroethyl)ether | 0.04 | U | 0.04 | 0.15 | 0.15 | ug/L |
| 91-20-3 | Naphthalene | 0.04 | U | 0.04 | 0.15 | 0.15 | ug/L |
| 87-68-3 | Hexachlorobutadiene | 0.04 | U | 0.04 | 0.15 | 0.15 | ug/L |
| 91-57-6 | 2-Methylnaphthalene | 0.05 | U | 0.05 | 0.15 | 0.15 | ug/L |
| 208-96-8 | Acenaphthylene | 0.03 | U | 0.03 | 0.15 | 0.15 | ug/L |
| 83-32-9 | Acenaphthene | 0.03 | U | 0.03 | 0.15 | 0.15 | ug/L |
| Total PAH | Total PAH | 0.71 | U | 0.71 | 0.15 | 2.4 | ug/L |
| 86-73-7 | Fluorene | 0.03 | U | 0.03 | 0.15 | 0.15 | ug/L |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 0.22 | U | 0.22 | 0.31 | 0.31 | ug/L |
| 101-55-3 | 4-Bromophenyl-phenylether | 0.04 | U | 0.04 | 0.15 | 0.15 | ug/L |
| 118-74-1 | Hexachlorobenzene | 0.04 | U | 0.04 | 0.15 | 0.15 | ug/L |
| 1912-24-9 | Atrazine | 0.04 | U | 0.04 | 0.15 | 0.15 | ug/L |
| 87-86-5 | Pentachlorophenol | 0.14 | U | 0.14 | 0.31 | 0.31 | ug/L |
| 85-01-8 | Phenanthrene | 0.05 | J | 0.03 | 0.15 | 0.15 | ug/L |
| 120-12-7 | Anthracene | 0.04 | U | 0.04 | 0.15 | 0.15 | ug/L |
| 206-44-0 | Fluoranthene | 0.07 | J | 0.04 | 0.15 | 0.15 | ug/L |
| 129-00-0 | Pyrene | 0.05 | J | 0.03 | 0.15 | 0.15 | ug/L |
| 56-55-3 | Benzo(a)anthracene | 0.03 | U | 0.03 | 0.15 | 0.15 | ug/L |
| 218-01-9 | Chrysene | 0.04 | U | 0.04 | 0.15 | 0.15 | ug/L |
| 117-81-7 | Bis(2-ethylhexyl)phthalate | 2.2 | | 0.22 | 0.31 | 0.31 | ug/L |
| 205-99-2 | Benzo(b)fluoranthene | 0.05 | U | 0.05 | 0.15 | 0.15 | ug/L |
| 207-08-9 | Benzo(k)fluoranthene | 0.05 | U | 0.05 | 0.15 | 0.15 | ug/L |
| 50-32-8 | Benzo(a)pyrene | 0.09 | U | 0.09 | 0.15 | 0.15 | ug/L |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 0.06 | U | 0.06 | 0.15 | 0.15 | ug/L |
| 53-70-3 | Dibenzo(a,h)anthracene | 0.06 | U | 0.06 | 0.15 | 0.15 | ug/L |
| 191-24-2 | Benzo(g,h,i)perylene | 0.06 | U | 0.06 | 0.15 | 0.15 | ug/L |
| 123-91-1 | 1,4-Dioxane | 0.1 | U | 0.1 | 0.31 | 0.31 | ug/L |

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# Report of Analysis

| | | | | | |
|---|---|---|---|---|---|
| Client: | | | | Date Collected: | 7/18/2024 12:00:00 AM |
| Project: | | | | Date Received: | 7/18/2024 12:00:00 AM |
| Client Sample ID: | BP-VPB-196-GW-1000-1002 | | | SDG No.: | BN072724 |
| Lab Sample ID: | P3338-04 | | | Matrix: | Water |
| Analytical Method: | 8270-Modified | | | % Moisture: | 100 |
| Sample Wt/Vol: | 650 | 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 |
|---|---|---|---|---|
| BN033059.D | 1 | 7/23/2024 12:00:00 AM | 7/28/2024 12:00:00 AM | PB162236 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **SURROGATES** | | | | | | | |
| 7297-45-2 | 2-Methylnaphthalene-d10 | 0.279 | | 30-150 | | 70 | SPK: -0.4 |
| 93951-69-0 | Fluoranthene-d10 | 0.385 | | 30-150 | | 96 | SPK: -0.4 |
| 367-12-4 | 2-Fluorophenol | 0.189 | | 10-92 | | 47 | SPK: -0.4 |
| 13127-88-3 | Phenol-d6 | 0.135 | | 10-100 | | 34 | SPK: -0.4 |
| 4165-60-0 | Nitrobenzene-d5 | 0.31 | | 11-175 | | 77 | SPK: -0.4 |
| 321-60-8 | 2-Fluorobiphenyl | 0.295 | | 10-175 | | 74 | SPK: -0.4 |
| 118-79-6 | 2,4,6-Tribromophenol | 0.268 | | 24-148 | | 67 | SPK: -0.4 |
| 1718-51-0 | Terphenyl-d14 | 0.413 | | 54-171 | | 103 | SPK: -0.4 |
| **INTERNAL STANDARDS** | | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 2909 | 7.568 | | | | |
| 1146-65-2 | Naphthalene-d8 | 10123 | 10.319 | | | | |
| 15067-26-2 | Acenaphthene-d10 | 6138 | 14.18 | | | | |
| 1517-22-2 | Phenanthrene-d10 | 13273 | 16.945 | | | | |
| 1719-03-5 | Chrysene-d12 | 12367 | 21.16 | | | | |
| 1520-96-3 | Perylene-d12 | 11769 | 23.353 | | | | |

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# Hit Summary Sheet
**SW-846**

**SDG No.:** BN072724

**Client:**

| Sample ID | Client ID | | Parameter | Concentration | C | MDL | RDL | Units |
|---|---|---|---|---|---|---|---|---|
| **Client ID : SP-100-20240717** | | | | | | | | |
| P3299-01 | SP-100-20240717 | Water | 1,4-Dioxane | 5.900 | E | 0.07 | 0.2 | ug/L |
| | | | **Total Svoc :** | **5.90** | | | | |
| | | | **Total Concentration:** | **5.90** | | | | |
| **Client ID : BP-VPB-189-EB-20240717** | | | | | | | | |
| P3307-03 | BP-VPB-189-EB-202407 | Water | 1,4-Dioxane | 550.000 | | 68 | 200 | ug/L |
| | | | **Total Svoc :** | **550.00** | | | | |
| | | | **Total Concentration:** | **550.00** | | | | |
| **Client ID : BP-VPB-189-GW-923-925** | | | | | | | | |
| P3307-04 | BP-VPB-189-GW-923-92 | Water | Bis(2-ethylhexyl)phthalate | 10.400 | | 1.4 | 2 | ug/L |
| | | | **Total Svoc :** | **10.40** | | | | |
| | | | **Total Concentration:** | **10.40** | | | | |
| **Client ID : BP-VPB-196-EB-20240718** | | | | | | | | |
| P3338-02 | BP-VPB-196-EB-202407 | Water | 1,4-Dioxane | 0.200 | J | 0.08 | 0.23 | ug/L |
| P3338-02 | BP-VPB-196-EB-202407 | Water | Bis(2-ethylhexyl)phthalate | 1.900 | | 0.16 | 0.23 | ug/L |
| P3338-02 | BP-VPB-196-EB-202407 | Water | Fluoranthene | 0.040 | J | 0.03 | 0.11 | ug/L |
| P3338-02 | BP-VPB-196-EB-202407 | Water | Fluorene | 0.030 | J | 0.02 | 0.11 | ug/L |
| P3338-02 | BP-VPB-196-EB-202407 | Water | Phenanthrene | 0.050 | J | 0.02 | 0.11 | ug/L |
| P3338-02 | BP-VPB-196-EB-202407 | Water | Pyrene | 0.030 | J | 0.03 | 0.11 | ug/L |
| | | | **Total Svoc :** | **2.25** | | | | |
| | | | **Total Concentration:** | **2.25** | | | | |
| **Client ID : VPB196-HYD-20240718** | | | | | | | | |
| P3338-03 | VPB196-HYD-20240718 | Water | 1,4-Dioxane | 0.140 | J | 0.07 | 0.22 | ug/L |
| | | | **Total Svoc :** | **0.14** | | | | |
| | | | **Total Concentration:** | **0.14** | | | | |
| **Client ID : BP-VPB-196-GW-1000-1002** | | | | | | | | |
| P3338-04 | BP-VPB-196-GW-1000-1 | Water | Bis(2-ethylhexyl)phthalate | 2.200 | | 0.22 | 0.31 | ug/L |
| P3338-04 | BP-VPB-196-GW-1000-1 | Water | Fluoranthene | 0.070 | J | 0.04 | 0.15 | ug/L |
| P3338-04 | BP-VPB-196-GW-1000-1 | Water | Phenanthrene | 0.050 | J | 0.03 | 0.15 | ug/L |
| P3338-04 | BP-VPB-196-GW-1000-1 | Water | Pyrene | 0.050 | J | 0.03 | 0.15 | ug/L |
| | | | **Total Svoc :** | **2.37** | | | | |
| | | | **Total Concentration:** | **2.37** | | | | |
| **Client ID : GWBR-05-282-302-072524** | | | | | | | | |
| P3375-01 | GWBR-05-282-302-0725 | Water | 1,4-Dioxane | 0.210 | | 0.07 | 0.2 | ug/L |
| P3375-01 | GWBR-05-282-302-0725 | Water | Benzo(a)anthracene | 0.020 | J | 0.02 | 0.1 | ug/L |
| P3375-01 | GWBR-05-282-302-0725 | Water | Chrysene | 0.040 | J | 0.03 | 0.1 | ug/L |

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# Hit Summary Sheet
**SW-846**

**SDG No.:** BN072724

**Client:**

| Sample ID | Client ID | | Parameter | Concentration | C | MDL | RDL | Units |
|---|---|---|---|---|---|---|---|---|
| P3375-01 | GWBR-05-282-302-0725 | Water | Indeno(1,2,3-cd)pyrene | 0.040 | J | 0.04 | 0.1 | ug/L |
| | | | **Total Svoc :** | **0.31** | | | | |
| | | | **Total Concentration:** | **0.31** | | | | |
| **Client ID :** | **GWBR-05-258-278-072524** | | | | | | | |
| P3375-02 | GWBR-05-258-278-0725 | Water | 1,4-Dioxane | 0.290 | | 0.07 | 0.2 | ug/L |
| P3375-02 | GWBR-05-258-278-0725 | Water | Chrysene | 0.040 | J | 0.03 | 0.1 | ug/L |
| | | | **Total Svoc :** | **0.33** | | | | |
| | | | **Total Concentration:** | **0.33** | | | | |
| **Client ID :** | **EB-01-072524** | | | | | | | |
| P3375-04 | EB-01-072524 | Water | 1,4-Dioxane | 0.170 | J | 0.07 | 0.2 | ug/L |
| P3375-04 | EB-01-072524 | Water | Chrysene | 0.040 | J | 0.03 | 0.1 | ug/L |
| | | | **Total Svoc :** | **0.21** | | | | |
| | | | **Total Concentration:** | **0.21** | | | | |

CHEMTECH

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BN071124 SAS No.: BN071124 SDG No.: BN071124

Instrument ID: Calibration Date(s): 7/10/2024

Calibration Time(s): 15:54

LAB FILE ID: RRF0.1 = BN032616.D RRF0.2 = BN032617.D RRF0.4 = BN032618.D
RRF0.8 = BN032619.D RRF1.6 = BN032620.D RRF3.2 = BN032621.D

| COMPOUND | RRF0.1 | RRF0.2 | RRF0.4 | RRF0.8 | RRF1.6 | RRF3.2 | RRF | % RSD |
|---|---|---|---|---|---|---|---|---|
| 2-Methylnaphthalene-d10 | 0.594 | 0.576 | 0.597 | 0.657 | 0.650 | 0.596 | 0.612 | 5.0 |
| Fluoranthene-d10 | 1.009 | 0.987 | 0.986 | 1.101 | 1.097 | 1.018 | 1.035 | 4.7 |
| n-Nitrosodimethylamine | 0.451 | 0.408 | 0.421 | 0.441 | 0.428 | 0.400 | 0.419 | 5.7 |
| 2-Fluorophenol | 1.089 | 0.979 | 1.038 | 1.043 | 1.009 | 0.974 | 1.012 | 4.8 |
| Phenol-d6 | 1.214 | 1.102 | 1.258 | 1.297 | 1.331 | 1.282 | 1.256 | 6.2 |
| bis(2-Chloroethyl)ether | 0.977 | 0.841 | 1.059 | 1.258 | 1.054 | 1.062 | 1.050 | 12.0 |
| Nitrobenzene-d5 | 0.268 | 0.271 | 0.291 | 0.331 | 0.328 | 0.310 | 0.301 | 8.5 |
| Naphthalene | 1.116 | 1.074 | 1.103 | 1.173 | 1.147 | 1.071 | 1.108 | 3.7 |
| Hexachlorobutadiene | 0.228 | 0.216 | 0.214 | 0.222 | 0.212 | 0.197 | 0.212 | 5.9 |
| 2-Methylnaphthalene | 0.677 | 0.665 | 0.697 | 0.784 | 0.785 | 0.720 | 0.724 | 6.6 |
| 2-Fluorobiphenyl | 1.471 | 1.388 | 1.485 | 1.608 | 1.547 | 1.475 | 1.489 | 4.7 |
| Acenaphthylene | 1.493 | 1.457 | 1.495 | 1.715 | 1.765 | 1.718 | 1.627 | 8.5 |
| Acenaphthene | 1.117 | 1.088 | 1.142 | 1.251 | 1.212 | 1.134 | 1.153 | 5.0 |
| Fluorene | 1.504 | 1.473 | 1.523 | 1.674 | 1.635 | 1.470 | 1.541 | 5.2 |
| 4,6-Dinitro-2-methylphenol | | 0.028 | 0.034 | 0.053 | 0.065 | 0.071 | 0.056 | 39.5 |
| 2,4,6-Tribromophenol | 0.168 | 0.150 | 0.153 | 0.174 | 0.183 | 0.173 | 0.171 | 9.4 |
| 4-Bromophenyl-phenylether | 0.235 | 0.219 | 0.231 | 0.245 | 0.244 | 0.237 | 0.235 | 3.8 |
| Hexachlorobenzene | 0.270 | 0.254 | 0.258 | 0.277 | 0.272 | 0.262 | 0.263 | 3.9 |
| Atrazine | 0.164 | 0.156 | 0.155 | 0.182 | 0.188 | 0.177 | 0.173 | 8.6 |
| Pentachlorophenol | 0.113 | 0.080 | 0.081 | 0.093 | 0.100 | 0.103 | 0.098 | 14.1 |
| Phenanthrene | 1.036 | 0.986 | 1.058 | 1.197 | 1.172 | 1.108 | 1.093 | 6.8 |
| Anthracene | 0.760 | 0.742 | 0.789 | 0.963 | 1.024 | 1.001 | 0.900 | 14.4 |
| Fluoranthene | 1.263 | 1.235 | 1.250 | 1.418 | 1.430 | 1.316 | 1.323 | 6.0 |
| Pyrene | 1.719 | 1.569 | 1.692 | 1.772 | 1.676 | 1.506 | 1.634 | 6.6 |
| Terphenyl-d14 | 0.861 | 0.794 | 0.846 | 0.886 | 0.841 | 0.744 | 0.820 | 6.4 |
| Benzo(a)anthracene | 1.224 | 1.077 | 1.198 | 1.352 | 1.336 | 1.313 | 1.265 | 8.2 |
| Chrysene | 1.490 | 1.507 | 1.549 | 1.597 | 1.576 | 1.397 | 1.504 | 5.2 |
| Bis(2-ethylhexyl)phthalate | 0.701 | 0.684 | 0.604 | 0.695 | 0.711 | 0.703 | 0.700 | 8.3 |
| Benzo(b)fluoranthene | 1.190 | 1.195 | 1.313 | 1.544 | 1.566 | 1.434 | 1.393 | 11.5 |
| Benzo(k)fluoranthene | 1.502 | 1.528 | 1.587 | 1.770 | 1.684 | 1.561 | 1.592 | 6.3 |
| Benzo(a)pyrene | 1.200 | 1.142 | 1.203 | 1.362 | 1.344 | 1.272 | 1.256 | 6.4 |
| Indeno(1,2,3-cd)pyrene | 1.547 | 1.410 | 1.534 | 1.674 | 1.629 | 1.704 | 1.577 | 6.4 |
| Dibenzo(a,h)anthracene | 1.180 | 1.116 | 1.215 | 1.323 | 1.294 | 1.362 | 1.245 | 6.9 |
| Benzo(g,h,i)perylene | 1.374 | 1.288 | 1.378 | 1.459 | 1.394 | 1.470 | 1.379 | 5.2 |
| 1,4-Dioxane | 0.613 | 0.525 | 0.495 | 0.515 | 0.476 | 0.434 | 0.496 | 13.4 |

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.: BN072724 SAS No.: BN072724 SDG NO.: BN072724

EPA Sample No.: SSTDICCC0.4 Date Analyzed: Jul 27 2024 12:00AM

Lab File ID: BN032618.D Time Analyzed: 17:50

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 | 4288 | | 7.567 | 13064 | | 10.36 | 8572 | | 14.21 |
| | UPPER LIMIT | 8576 | | 8.067 | 26128 | | 10.857 | 17144 | | 14.71 |
| | LOWER LIMIT | 2144 | | 7.067 | 6532 | | 9.857 | 4286 | | 13.71 |
| | EPA SAMPLE NO. | | | | | | | | | |
| 01 | PB162294BL | 1908 | * | 7.59 | 6334 | * | 10.46 | 4319 | | 14.22 |
| 02 | PB162294BS | 2295 | | 7.52 | 8545 | | 10.32 | 5991 | | 14.16 |
| 03 | PB162294BSD | 2061 | * | 7.52 | 7653 | | 10.32 | 5392 | | 14.17 |
| 04 | GWBR-05-282-302-072524 | 1467 | * | 7.58 | 6071 | * | 10.40 | 4184 | * | 14.20 |
| 05 | GWBR-05-258-278-072524 | 1523 | * | 7.59 | 5664 | * | 10.44 | 4151 | * | 14.20 |
| 06 | EB-01-072524 | 1537 | * | 7.58 | 5925 | * | 10.37 | 4065 | * | 14.19 |
| 07 | SP-100-20240717 | 2045 | * | 7.58 | 8455 | | 10.42 | 6166 | | 14.19 |
| 08 | SP-201-20240717 | 2399 | | 7.57 | 9498 | | 10.42 | 6774 | | 14.20 |
| 09 | BP-VPB-189-GW-923-925 | 2356 | | 7.53 | 8693 | | 10.28 | 6691 | | 14.15 |
| 10 | BP-VPB-189-EB-20240717 | 4701 | | 7.52 | 16790 | | 10.32 | 12494 | | 14.17 |
| 11 | SP-303-20240717 | 1959 | * | 7.58 | 8054 | | 10.42 | 5879 | | 14.20 |
| 12 | PB162161BS | 2100 | * | 7.52 | 7941 | | 10.32 | 5657 | | 14.17 |
| 13 | PB162161BSD | 2334 | | 7.52 | 8751 | | 10.32 | 6204 | | 14.16 |
| 14 | PB162161BL | 3452 | | 7.58 | 12933 | | 10.42 | 8660 | | 14.20 |
| 15 | BP-VPB-196-EB-20240718 | 2002 | * | 7.60 | 7878 | | 10.34 | 4675 | | 14.18 |
| 16 | VPB196-HYD-20240718 | 2197 | | 7.56 | 9248 | | 10.37 | 6093 | | 14.19 |
| 17 | PB162236BL | 2873 | | 7.59 | 9361 | | 10.49 | 5708 | | 14.23 |
| 18 | PB162236BS | 3193 | | 7.52 | 11413 | | 10.32 | 7782 | | 14.16 |
| 19 | PB162236BSD | 3461 | | 7.52 | 11668 | | 10.32 | 7851 | | 14.16 |
| 20 | BP-VPB-196-GW-1000-1002 | 2909 | | 7.57 | 10123 | | 10.32 | 6138 | | 14.18 |

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BN072724 SAS No.: BN072724 SDG NO.: BN072724

EPA Sample No.: SSTDICCC0.4 Date Analyzed: Jul 28 2024 12:00AM

Lab File ID: BN032618.D Time Analyzed: 07:48

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 | 4288 | 7.567 | 13064 | 10.36 | 8572 | 14.21 |
| UPPER LIMIT | 8576 | 8.067 | 26128 | 10.857 | 17144 | 14.71 |
| LOWER LIMIT | 2144 | 7.067 | 6532 | 9.857 | 4286 | 13.71 |
| EPA SAMPLE NO. | | | | | | |

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.: BN072724 SAS No.: BN072724 SDG NO.: BN072724

EPA Sample No.: SSTDCCC0.4 Date Analyzed: Jul 27 2024 12:00AM

Lab File ID: BN033036.D Time Analyzed: 17:50

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 | 2459 | 7.517 | 8856 | 10.31 | 6345 | 14.17 |
| | UPPER LIMIT | 4918 | 8.017 | 17712 | 10.808 | 12690 | 14.665 |
| | LOWER LIMIT | 1229.5 | 7.017 | 4428 | 9.808 | 3172.5 | 13.665 |
| | EPA SAMPLE NO. | | | | | | |
| 01 | PB162294BL | 1908 | 7.59 | 6334 | 10.46 | 4319 | 14.22 |
| 02 | PB162294BS | 2295 | 7.52 | 8545 | 10.32 | 5991 | 14.16 |
| 03 | PB162294BSD | 2061 | 7.52 | 7653 | 10.32 | 5392 | 14.17 |
| 04 | GWBR-05-282-302-072524 | 1467 | 7.58 | 6071 | 10.40 | 4184 | 14.20 |
| 05 | GWBR-05-258-278-072524 | 1523 | 7.59 | 5664 | 10.44 | 4151 | 14.20 |
| 06 | EB-01-072524 | 1537 | 7.58 | 5925 | 10.37 | 4065 | 14.19 |
| 07 | SP-100-20240717 | 2045 | 7.58 | 8455 | 10.42 | 6166 | 14.19 |
| 08 | SP-201-20240717 | 2399 | 7.57 | 9498 | 10.42 | 6774 | 14.20 |
| 09 | BP-VPB-189-GW-923-925 | 2356 | 7.53 | 8693 | 10.28 | 6691 | 14.15 |
| 10 | BP-VPB-189-EB-20240717 | 4701 | 7.52 | 16790 | 10.32 | 12494 | 14.17 |
| 11 | SP-303-20240717 | 1959 | 7.58 | 8054 | 10.42 | 5879 | 14.20 |
| 12 | PB162161BS | 2100 | 7.52 | 7941 | 10.32 | 5657 | 14.17 |
| 13 | PB162161BSD | 2334 | 7.52 | 8751 | 10.32 | 6204 | 14.16 |
| 14 | PB162161BL | 3452 | 7.58 | 12933 | 10.42 | 8660 | 14.20 |
| 15 | BP-VPB-196-EB-20240718 | 2002 | 7.60 | 7878 | 10.34 | 4675 | 14.18 |
| 16 | VPB196-HYD-20240718 | 2197 | 7.56 | 9248 | 10.37 | 6093 | 14.19 |

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BN072724 SAS No.: BN072724 SDG NO.: BN072724

EPA Sample No.: SSTDCCC0.4 Date Analyzed: Jul 28 2024 12:00AM

Lab File ID: BN033036.D Time Analyzed: 02:52

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 | 2459 | 7.517 | 8856 | 10.31 | 6345 | 14.17 |
| UPPER LIMIT | 4918 | 8.017 | 17712 | 10.808 | 12690 | 14.665 |
| LOWER LIMIT | 1229.5 | 7.017 | 4428 | 9.808 | 3172.5 | 13.665 |
| EPA SAMPLE NO. | | | | | | |

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.: BN072724 SAS No.: BN072724 SDG NO.: BN072724

EPA Sample No.: SSTDCCC0.4 Date Analyzed: Jul 28 2024 12:00AM

Lab File ID: BN033055.D Time Analyzed: 06:00

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 | 4014 | 7.517 | 12892 | 10.31 | 8590 | 14.16 |
| | UPPER LIMIT | 8028 | 8.017 | 25784 | 10.808 | 17180 | 14.658 |
| | LOWER LIMIT | 2007 | 7.017 | 6446 | 9.808 | 4295 | 13.658 |
| | EPA SAMPLE NO. | | | | | | |
| 01 | PB162236BL | 2873 | 7.59 | 9361 | 10.49 | 5708 | 14.23 |
| 02 | PB162236BS | 3193 | 7.52 | 11413 | 10.32 | 7782 | 14.16 |
| 03 | PB162236BSD | 3461 | 7.52 | 11668 | 10.32 | 7851 | 14.16 |
| 04 | BP-VPB-196-GW-1000-1002 | 2909 | 7.57 | 10123 | 10.32 | 6138 | 14.18 |

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.: BN072724 SAS No.: BN072724 SDG NO.: BN072724

EPA Sample No.: SSTDICCC0.4 Date Analyzed: Jul 27 2024 12:00AM

Lab File ID: BN032618.D Time Analyzed: 17:50

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 | 18433 | | 16.979 | 13897 | | 21.193 | 13224 | | 23.402 |
| | UPPER LIMIT | 36866 | | 17.479 | 27794 | | 21.693 | 26448 | | 23.902 |
| | LOWER LIMIT | 9216.5 | | 16.479 | 6948.5 | | 20.693 | 6612 | | 22.902 |
| | EPA SAMPLE NO. | | | | | | | | | |
| 01 | PB162294BL | 9677 | | 17.01 | 9420 | | 21.19 | 10162 | | 23.37 |
| 02 | PB162294BS | 13162 | | 16.95 | 12950 | | 21.16 | 14747 | | 23.35 |
| 03 | PB162294BSD | 11728 | | 16.95 | 11364 | | 21.16 | 12586 | | 23.35 |
| 04 | GWBR-05-282-302-072524 | 9188 | * | 16.97 | 8816 | | 21.17 | 9362 | | 23.36 |
| 05 | GWBR-05-258-278-072524 | 8884 | * | 16.97 | 8591 | | 21.17 | 9427 | | 23.36 |
| 06 | EB-01-072524 | 9060 | * | 16.97 | 8529 | | 21.18 | 9022 | | 23.36 |
| 07 | SP-100-20240717 | 12666 | | 16.96 | 12584 | | 21.16 | 13570 | | 23.35 |
| 08 | SP-201-20240717 | 14503 | | 16.97 | 13989 | | 21.17 | 14264 | | 23.36 |
| 09 | BP-VPB-189-GW-923-925 | 14383 | | 16.93 | 14424 | | 21.15 | 14907 | | 23.33 |
| 10 | BP-VPB-189-EB-20240717 | 27585 | | 16.95 | 27213 | | 21.15 | 24611 | | 23.34 |
| 11 | SP-303-20240717 | 12090 | | 16.96 | 11776 | | 21.17 | 11747 | | 23.36 |
| 12 | PB162161BS | 12217 | | 16.94 | 11522 | | 21.16 | 12864 | | 23.35 |
| 13 | PB162161BSD | 13394 | | 16.95 | 12376 | | 21.15 | 13656 | | 23.34 |
| 14 | PB162161BL | 17606 | | 16.98 | 17027 | | 21.18 | 17299 | | 23.36 |
| 15 | BP-VPB-196-EB-20240718 | 12065 | | 16.96 | 10285 | | 21.18 | 10233 | | 23.37 |
| 16 | VPB196-HYD-20240718 | 13064 | | 16.97 | 11044 | | 21.17 | 9531 | | 23.37 |
| 17 | PB162236BL | 10377 | | 17.03 | 9562 | | 21.19 | 9511 | | 23.38 |
| 18 | PB162236BS | 17027 | | 16.95 | 14521 | | 21.15 | 15008 | | 23.35 |
| 19 | PB162236BSD | 16847 | | 16.95 | 13780 | | 21.15 | 13410 | | 23.35 |
| 20 | BP-VPB-196-GW-1000-1002 | 13273 | | 16.95 | 12367 | | 21.16 | 11769 | | 23.35 |

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BN072724 SAS No.: BN072724 SDG NO.: BN072724

EPA Sample No.: SSTDICCC0.4 Date Analyzed: Jul 28 2024 12:00AM

Lab File ID: BN032618.D Time Analyzed: 07:48

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 | 18433 | 16.979 | 13897 | 21.193 | 13224 | 23.402 |
| UPPER LIMIT | 36866 | 17.479 | 27794 | 21.693 | 26448 | 23.902 |
| LOWER LIMIT | 9216.5 | 16.479 | 6948.5 | 20.693 | 6612 | 22.902 |
| EPA SAMPLE NO. | | | | | | |

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.: BN072724 SAS No.: BN072724 SDG NO.: BN072724

EPA Sample No.: SSTDCCC0.4 Date Analyzed: Jul 27 2024 12:00AM

Lab File ID: BN033036.D Time Analyzed: 17:50

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 | 13337 | 16.939 | 12542 | 21.158 | 14176 | 23.345 |
| | UPPER LIMIT | 26674 | 17.439 | 25084 | 21.658 | 28352 | 23.845 |
| | LOWER LIMIT | 6668.5 | 16.439 | 6271 | 20.658 | 7088 | 22.845 |
| | EPA SAMPLE NO. | | | | | | |
| 01 | PB162294BL | 9677 | 17.01 | 9420 | 21.19 | 10162 | 23.37 |
| 02 | PB162294BS | 13162 | 16.95 | 12950 | 21.16 | 14747 | 23.35 |
| 03 | PB162294BSD | 11728 | 16.95 | 11364 | 21.16 | 12586 | 23.35 |
| 04 | GWBR-05-282-302-072524 | 9188 | 16.97 | 8816 | 21.17 | 9362 | 23.36 |
| 05 | GWBR-05-258-278-072524 | 8884 | 16.97 | 8591 | 21.17 | 9427 | 23.36 |
| 06 | EB-01-072524 | 9060 | 16.97 | 8529 | 21.18 | 9022 | 23.36 |
| 07 | SP-100-20240717 | 12666 | 16.96 | 12584 | 21.16 | 13570 | 23.35 |
| 08 | SP-201-20240717 | 14503 | 16.97 | 13989 | 21.17 | 14264 | 23.36 |
| 09 | BP-VPB-189-GW-923-925 | 14383 | 16.93 | 14424 | 21.15 | 14907 | 23.33 |
| 10 | BP-VPB-189-EB-20240717 | 27585 * | 16.95 | 27213 * | 21.15 | 24611 | 23.34 |
| 11 | SP-303-20240717 | 12090 | 16.96 | 11776 | 21.17 | 11747 | 23.36 |
| 12 | PB162161BS | 12217 | 16.94 | 11522 | 21.16 | 12864 | 23.35 |
| 13 | PB162161BSD | 13394 | 16.95 | 12376 | 21.15 | 13656 | 23.34 |
| 14 | PB162161BL | 17606 | 16.98 | 17027 | 21.18 | 17299 | 23.36 |
| 15 | BP-VPB-196-EB-20240718 | 12065 | 16.96 | 10285 | 21.18 | 10233 | 23.37 |
| 16 | VPB196-HYD-20240718 | 13064 | 16.97 | 11044 | 21.17 | 9531 | 23.37 |

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BN072724 SAS No.: BN072724 SDG NO.: BN072724

EPA Sample No.: SSTDCCC0.4 Date Analyzed: Jul 28 2024 12:00AM

Lab File ID: BN033036.D Time Analyzed: 02:52

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 | 13337 | 16.939 | 12542 | 21.158 | 14176 | 23.345 |
| UPPER LIMIT | 26674 | 17.439 | 25084 | 21.658 | 28352 | 23.845 |
| LOWER LIMIT | 6668.5 | 16.439 | 6271 | 20.658 | 7088 | 22.845 |
| EPA SAMPLE NO. | | | | | | |

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.: BN072724 SAS No.: BN072724 SDG NO.: BN072724

EPA Sample No.: SSTDCCC0.4 Date Analyzed: Jul 28 2024 12:00AM

Lab File ID: BN033055.D Time Analyzed: 06:00

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 | 17782 | 16.945 | 14774 | 21.151 | 14954 | 23.344 |
| | UPPER LIMIT | 35564 | 17.445 | 29548 | 21.651 | 29908 | 23.844 |
| | LOWER LIMIT | 8891 | 16.445 | 7387 | 20.651 | 7477 | 22.844 |
| | EPA SAMPLE NO. | | | | | | |
| 01 | PB162236BL | 10377 | 17.03 | 9562 | 21.19 | 9511 | 23.38 |
| 02 | PB162236BS | 17027 | 16.95 | 14521 | 21.15 | 15008 | 23.35 |
| 03 | PB162236BSD | 16847 | 16.95 | 13780 | 21.15 | 13410 | 23.35 |
| 04 | BP-VPB-196-GW-1000-1002 | 13273 | 16.95 | 12367 | 21.16 | 11769 | 23.35 |

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.:** BN072724

**Client:**

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

| Lab Sample ID | Parameter | Spike | Result | Unit | Rec | RPD | Qual | RPD Qual | Limits Low | Limits High | RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PB162161BS | n-Nitrosodimethylamine | 0.4 | 0.31 | ug/L | 78 | | | | 33 | 130 | |
| | bis(2-Chloroethyl)ether | 0.4 | 0.45 | ug/L | 113 | | | | 55 | 118 | |
| | Naphthalene | 0.4 | 0.39 | ug/L | 98 | | | | 67 | 120 | |
| | Hexachlorobutadiene | 0.4 | 0.41 | ug/L | 103 | | | | 33 | 114 | |
| | 2-Methylnaphthalene | 0.4 | 0.36 | ug/L | 90 | | | | 50 | 122 | |
| | Acenaphthylene | 0.4 | 0.36 | ug/L | 90 | | | | 60 | 119 | |
| | Acenaphthene | 0.4 | 0.37 | ug/L | 93 | | | | 65 | 119 | |
| | Total PAH | 6.4 | 5.45 | ug/L | 85 | | | | 65 | 119 | |
| | Fluorene | 0.4 | 0.37 | ug/L | 93 | | | | 58 | 122 | |
| | 4,6-Dinitro-2-methylphenol | 0.4 | 0.39 | ug/L | 98 | | | | 20 | 150 | |
| | 4-Bromophenyl-phenylether | 0.4 | 0.33 | ug/L | 83 | | | | 20 | 150 | |
| | Hexachlorobenzene | 0.4 | 0.37 | ug/L | 93 | | | | 62 | 127 | |
| | Atrazine | 0.4 | 0.36 | ug/L | 90 | | | | 20 | 150 | |
| | Pentachlorophenol | 0.8 | 0.29 | ug/L | 36 | | | | 10 | 137 | |
| | Phenanthrene | 0.4 | 0.35 | ug/L | 88 | | | | 65 | 117 | |
| | Anthracene | 0.4 | 0.28 | ug/L | 70 | | | | 57 | 118 | |
| | Fluoranthene | 0.4 | 0.36 | ug/L | 90 | | | | 53 | 126 | |
| | Pyrene | 0.4 | 0.33 | ug/L | 83 | | | | 54 | 124 | |
| | Benzo(a)anthracene | 0.4 | 0.3 | ug/L | 75 | | | | 54 | 130 | |
| | Chrysene | 0.4 | 0.4 | ug/L | 100 | | | | 64 | 126 | |
| | bis(2-Ethylhexyl)phthalate | 0.4 | 0.38 | ug/L | 95 | | | | 40 | 137 | |
| | Benzo(b)fluoranthene | 0.4 | 0.3 | ug/L | 75 | | | | 65 | 121 | |
| | Benzo(k)fluoranthene | 0.4 | 0.34 | ug/L | 85 | | | | 72 | 119 | |
| | Benzo(a)pyrene | 0.4 | 0.33 | ug/L | 83 | | | | 68 | 120 | |
| | Indeno(1,2,3-cd)pyrene | 0.4 | 0.32 | ug/L | 80 | | | | 70 | 127 | |
| | Dibenz(a,h)anthracene | 0.4 | 0.32 | ug/L | 80 | | | | 65 | 121 | |
| | Benzo(g,h,i)perylene | 0.4 | 0.33 | ug/L | 83 | | | | 76 | 117 | |
| | 1,4-Dioxane | 0.4 | 0.45 | ug/L | 113 | | | | 60 | 132 | |
| PB162161BSD | n-Nitrosodimethylamine | 0.4 | 0.28 | ug/L | 70 | | | | 33 | 130 | 20 |
| | bis(2-Chloroethyl)ether | 0.4 | 0.41 | ug/L | 103 | | | | 55 | 118 | 20 |
| | Naphthalene | 0.4 | 0.38 | ug/L | 95 | | | | 67 | 120 | 20 |
| | Hexachlorobutadiene | 0.4 | 0.41 | ug/L | 103 | | | | 33 | 114 | 20 |
| | 2-Methylnaphthalene | 0.4 | 0.36 | ug/L | 90 | | | | 50 | 122 | 20 |
| | Acenaphthylene | 0.4 | 0.36 | ug/L | 90 | | | | 60 | 119 | 20 |
| | Acenaphthene | 0.4 | 0.37 | ug/L | 93 | | | | 65 | 119 | 20 |
| | Total PAH | 6.4 | 5.43 | ug/L | 85 | | | | 65 | 119 | 20 |
| | Fluorene | 0.4 | 0.37 | ug/L | 93 | | | | 58 | 122 | 20 |
| | 4,6-Dinitro-2-methylphenol | 0.4 | 0.37 | ug/L | 93 | | | | 20 | 150 | 20 |
| | 4-Bromophenyl-phenylether | 0.4 | 0.33 | ug/L | 83 | | | | 20 | 150 | 20 |
| | Hexachlorobenzene | 0.4 | 0.37 | ug/L | 93 | | | | 62 | 127 | 20 |
| | Atrazine | 0.4 | 0.36 | ug/L | 90 | | | | 20 | 150 | 20 |
| | Pentachlorophenol | 0.8 | 0.28 | ug/L | 35 | | | | 10 | 137 | 20 |
| | Phenanthrene | 0.4 | 0.35 | ug/L | 88 | | | | 65 | 117 | 20 |
| | Anthracene | 0.4 | 0.28 | ug/L | 70 | | | | 57 | 118 | 20 |

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# Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

**SW-846**

**SDG No.:** BN072724

**Client:**

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

| Lab Sample ID | Parameter | Spike | Result | Unit | Rec | RPD | Qual | RPD Qual | Limits Low | Limits High | RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PB162161BSD | Fluoranthene | 0.4 | 0.36 | ug/L | 90 | | | | 53 | 126 | 20 |
| | Pyrene | 0.4 | 0.33 | ug/L | 83 | | | | 54 | 124 | 20 |
| | Benzo(a)anthracene | 0.4 | 0.31 | ug/L | 78 | | | | 54 | 130 | 20 |
| | Chrysene | 0.4 | 0.39 | ug/L | 98 | | | | 64 | 126 | 20 |
| | bis(2-Ethylhexyl)phthalate | 0.4 | 0.38 | ug/L | 95 | | | | 40 | 137 | 20 |
| | Benzo(b)fluoranthene | 0.4 | 0.3 | ug/L | 75 | | | | 65 | 121 | 20 |
| | Benzo(k)fluoranthene | 0.4 | 0.34 | ug/L | 85 | | | | 72 | 119 | 20 |
| | Benzo(a)pyrene | 0.4 | 0.33 | ug/L | 83 | | | | 68 | 120 | 20 |
| | Indeno(1,2,3-cd)pyrene | 0.4 | 0.32 | ug/L | 80 | | | | 70 | 127 | 20 |
| | Dibenz(a,h)anthracene | 0.4 | 0.32 | ug/L | 80 | | | | 65 | 121 | 20 |
| | Benzo(g,h,i)perylene | 0.4 | 0.32 | ug/L | 80 | | | | 76 | 117 | 20 |
| | 1,4-Dioxane | 0.4 | 0.47 | ug/L | 117 | | | | 60 | 132 | 20 |

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# Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

**SW-846**

**SDG No.:** BN072724

**Client:**

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

| Lab Sample ID | Parameter | Spike | Result | Unit | Rec | RPD | Qual | RPD Qual | Limits Low | Limits High | RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PB162236BS | n-Nitrosodimethylamine | 0.4 | 0.41 | ug/L | 103 | | | | 33 | 130 | |
| | bis(2-Chloroethyl)ether | 0.4 | 0.36 | ug/L | 90 | | | | 55 | 118 | |
| | Naphthalene | 0.4 | 0.4 | ug/L | 100 | | | | 67 | 120 | |
| | Hexachlorobutadiene | 0.4 | 0.39 | ug/L | 98 | | | | 33 | 114 | |
| | 2-Methylnaphthalene | 0.4 | 0.37 | ug/L | 93 | | | | 50 | 122 | |
| | Acenaphthylene | 0.4 | 0.38 | ug/L | 95 | | | | 60 | 119 | |
| | Acenaphthene | 0.4 | 0.4 | ug/L | 100 | | | | 65 | 119 | |
| | Total PAH | 6.4 | 5.95 | ug/L | 93 | | | | 65 | 119 | |
| | Fluorene | 0.4 | 0.4 | ug/L | 100 | | | | 58 | 122 | |
| | 4,6-Dinitro-2-methylphenol | 0.4 | 0.38 | ug/L | 95 | | | | 20 | 150 | |
| | 4-Bromophenyl-phenylether | 0.4 | 0.36 | ug/L | 90 | | | | 20 | 150 | |
| | Hexachlorobenzene | 0.4 | 0.35 | ug/L | 88 | | | | 62 | 127 | |
| | Atrazine | 0.4 | 0.37 | ug/L | 93 | | | | 20 | 150 | |
| | Pentachlorophenol | 0.8 | 0.22 | ug/L | 28 | | | | 10 | 137 | |
| | Phenanthrene | 0.4 | 0.37 | ug/L | 93 | | | | 65 | 117 | |
| | Anthracene | 0.4 | 0.3 | ug/L | 75 | | | | 57 | 118 | |
| | Fluoranthene | 0.4 | 0.38 | ug/L | 95 | | | | 53 | 126 | |
| | Pyrene | 0.4 | 0.38 | ug/L | 95 | | | | 54 | 124 | |
| | Benzo(a)anthracene | 0.4 | 0.33 | ug/L | 83 | | | | 54 | 130 | |
| | Chrysene | 0.4 | 0.43 | ug/L | 108 | | | | 64 | 126 | |
| | bis(2-Ethylhexyl)phthalate | 0.4 | 0.52 | ug/L | 130 | | | | 40 | 137 | |
| | Benzo(b)fluoranthene | 0.4 | 0.36 | ug/L | 90 | | | | 65 | 121 | |
| | Benzo(k)fluoranthene | 0.4 | 0.39 | ug/L | 98 | | | | 72 | 119 | |
| | Benzo(a)pyrene | 0.4 | 0.36 | ug/L | 90 | | | | 68 | 120 | |
| | Indeno(1,2,3-cd)pyrene | 0.4 | 0.35 | ug/L | 88 | | | | 70 | 127 | |
| | Dibenz(a,h)anthracene | 0.4 | 0.35 | ug/L | 88 | | | | 65 | 121 | |
| | Benzo(g,h,i)perylene | 0.4 | 0.37 | ug/L | 93 | | | | 76 | 117 | |
| | 1,4-Dioxane | 0.4 | 0.44 | ug/L | 110 | | | | 60 | 132 | |
| PB162236BSD | n-Nitrosodimethylamine | 0.4 | 0.45 | ug/L | 113 | | | | 33 | 130 | 20 |
| | bis(2-Chloroethyl)ether | 0.4 | 0.36 | ug/L | 90 | | | | 55 | 118 | 20 |
| | Naphthalene | 0.4 | 0.4 | ug/L | 100 | | | | 67 | 120 | 20 |
| | Hexachlorobutadiene | 0.4 | 0.39 | ug/L | 98 | | | | 33 | 114 | 20 |
| | 2-Methylnaphthalene | 0.4 | 0.37 | ug/L | 93 | | | | 50 | 122 | 20 |
| | Acenaphthylene | 0.4 | 0.38 | ug/L | 95 | | | | 60 | 119 | 20 |
| | Acenaphthene | 0.4 | 0.4 | ug/L | 100 | | | | 65 | 119 | 20 |
| | Total PAH | 6.4 | 6 | ug/L | 94 | | | | 65 | 119 | 20 |
| | Fluorene | 0.4 | 0.39 | ug/L | 98 | | | | 58 | 122 | 20 |
| | 4,6-Dinitro-2-methylphenol | 0.4 | 0.36 | ug/L | 90 | | | | 20 | 150 | 20 |
| | 4-Bromophenyl-phenylether | 0.4 | 0.37 | ug/L | 93 | | | | 20 | 150 | 20 |
| | Hexachlorobenzene | 0.4 | 0.35 | ug/L | 88 | | | | 62 | 127 | 20 |
| | Atrazine | 0.4 | 0.39 | ug/L | 98 | | | | 20 | 150 | 20 |
| | Pentachlorophenol | 0.8 | 0.23 | ug/L | 29 | | | | 10 | 137 | 20 |
| | Phenanthrene | 0.4 | 0.38 | ug/L | 95 | | | | 65 | 117 | 20 |
| | Anthracene | 0.4 | 0.31 | ug/L | 78 | | | | 57 | 118 | 20 |

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# Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

**SW-846**

**SDG No.:** BN072724

**Client:**

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

| Lab Sample ID | Parameter | Spike | Result | Unit | Rec | RPD | Qual | RPD Qual | Limits Low | Limits High | Limits RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PB162236BSD | Fluoranthene | 0.4 | 0.38 | ug/L | 95 | | | | 53 | 126 | 20 |
| | Pyrene | 0.4 | 0.39 | ug/L | 98 | | | | 54 | 124 | 20 |
| | Benzo(a)anthracene | 0.4 | 0.33 | ug/L | 83 | | | | 54 | 130 | 20 |
| | Chrysene | 0.4 | 0.42 | ug/L | 105 | | | | 64 | 126 | 20 |
| | bis(2-Ethylhexyl)phthalate | 0.4 | 0.51 | ug/L | 128 | | | | 40 | 137 | 20 |
| | Benzo(b)fluoranthene | 0.4 | 0.36 | ug/L | 90 | | | | 65 | 121 | 20 |
| | Benzo(k)fluoranthene | 0.4 | 0.39 | ug/L | 98 | | | | 72 | 119 | 20 |
| | Benzo(a)pyrene | 0.4 | 0.37 | ug/L | 93 | | | | 68 | 120 | 20 |
| | Indeno(1,2,3-cd)pyrene | 0.4 | 0.36 | ug/L | 90 | | | | 70 | 127 | 20 |
| | Dibenz(a,h)anthracene | 0.4 | 0.36 | ug/L | 90 | | | | 65 | 121 | 20 |
| | Benzo(g,h,i)perylene | 0.4 | 0.38 | ug/L | 95 | | | | 76 | 117 | 20 |
| | 1,4-Dioxane | 0.4 | 0.46 | ug/L | 115 | | | | 60 | 132 | 20 |

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# Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

**SW-846**

**SDG No.:** BN072724

**Client:**

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

| Lab Sample ID | Parameter | Spike | Result | Unit | Rec | RPD | Qual | RPD Qual | Limits Low | Limits High | RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PB162294BS | n-Nitrosodimethylamine | 0.4 | 0.37 | ug/L | 93 | | | | 33 | 130 | |
| | bis(2-Chloroethyl)ether | 0.4 | 0.41 | ug/L | 103 | | | | 55 | 118 | |
| | Naphthalene | 0.4 | 0.38 | ug/L | 95 | | | | 67 | 120 | |
| | Hexachlorobutadiene | 0.4 | 0.41 | ug/L | 103 | | | | 33 | 114 | |
| | 2-Methylnaphthalene | 0.4 | 0.36 | ug/L | 90 | | | | 50 | 122 | |
| | Acenaphthylene | 0.4 | 0.37 | ug/L | 93 | | | | 60 | 119 | |
| | Acenaphthene | 0.4 | 0.38 | ug/L | 95 | | | | 65 | 119 | |
| | Total PAH | 6.4 | 5.52 | ug/L | 86 | | | | 65 | 119 | |
| | Fluorene | 0.4 | 0.37 | ug/L | 93 | | | | 58 | 122 | |
| | 4,6-Dinitro-2-methylphenol | 0.4 | 0.37 | ug/L | 93 | | | | 20 | 150 | |
| | 4-Bromophenyl-phenylether | 0.4 | 0.33 | ug/L | 83 | | | | 20 | 150 | |
| | Hexachlorobenzene | 0.4 | 0.37 | ug/L | 93 | | | | 62 | 127 | |
| | Atrazine | 0.4 | 0.36 | ug/L | 90 | | | | 20 | 150 | |
| | Pentachlorophenol | 0.8 | 0.27 | ug/L | 34 | | | | 10 | 137 | |
| | Phenanthrene | 0.4 | 0.35 | ug/L | 88 | | | | 65 | 117 | |
| | Anthracene | 0.4 | 0.29 | ug/L | 73 | | | | 57 | 118 | |
| | Fluoranthene | 0.4 | 0.37 | ug/L | 93 | | | | 53 | 126 | |
| | Pyrene | 0.4 | 0.32 | ug/L | 80 | | | | 54 | 124 | |
| | Benzo(a)anthracene | 0.4 | 0.31 | ug/L | 78 | | | | 54 | 130 | |
| | Chrysene | 0.4 | 0.39 | ug/L | 98 | | | | 64 | 126 | |
| | bis(2-Ethylhexyl)phthalate | 0.4 | 0.38 | ug/L | 95 | | | | 40 | 137 | |
| | Benzo(b)fluoranthene | 0.4 | 0.3 | ug/L | 75 | | | | 65 | 121 | |
| | Benzo(k)fluoranthene | 0.4 | 0.34 | ug/L | 85 | | | | 72 | 119 | |
| | Benzo(a)pyrene | 0.4 | 0.33 | ug/L | 83 | | | | 68 | 120 | |
| | Indeno(1,2,3-cd)pyrene | 0.4 | 0.34 | ug/L | 85 | | | | 70 | 127 | |
| | Dibenz(a,h)anthracene | 0.4 | 0.34 | ug/L | 85 | | | | 65 | 121 | |
| | Benzo(g,h,i)perylene | 0.4 | 0.34 | ug/L | 85 | | | | 76 | 117 | |
| | 1,4-Dioxane | 0.4 | 0.43 | ug/L | 108 | | | | 60 | 132 | |
| PB162294BSD | n-Nitrosodimethylamine | 0.4 | 0.36 | ug/L | 90 | 3 | | | 33 | 130 | 20 |
| | bis(2-Chloroethyl)ether | 0.4 | 0.38 | ug/L | 95 | 8 | | | 55 | 118 | 20 |
| | Naphthalene | 0.4 | 0.38 | ug/L | 95 | 0 | | | 67 | 120 | 20 |
| | Hexachlorobutadiene | 0.4 | 0.41 | ug/L | 103 | 0 | | | 33 | 114 | 20 |
| | 2-Methylnaphthalene | 0.4 | 0.36 | ug/L | 90 | 0 | | | 50 | 122 | 20 |
| | Acenaphthylene | 0.4 | 0.36 | ug/L | 90 | 3 | | | 60 | 119 | 20 |
| | Acenaphthene | 0.4 | 0.37 | ug/L | 93 | 3 | | | 65 | 119 | 20 |
| | Total PAH | 6.4 | 5.48 | ug/L | 86 | 1 | | | 65 | 119 | 20 |
| | Fluorene | 0.4 | 0.37 | ug/L | 93 | 0 | | | 58 | 122 | 20 |
| | 4,6-Dinitro-2-methylphenol | 0.4 | 0.36 | ug/L | 90 | 3 | | | 20 | 150 | 20 |
| | 4-Bromophenyl-phenylether | 0.4 | 0.33 | ug/L | 83 | 0 | | | 20 | 150 | 20 |
| | Hexachlorobenzene | 0.4 | 0.37 | ug/L | 93 | 0 | | | 62 | 127 | 20 |
| | Atrazine | 0.4 | 0.37 | ug/L | 93 | 3 | | | 20 | 150 | 20 |
| | Pentachlorophenol | 0.8 | 0.26 | ug/L | 33 | 4 | | | 10 | 137 | 20 |
| | Phenanthrene | 0.4 | 0.35 | ug/L | 88 | 0 | | | 65 | 117 | 20 |
| | Anthracene | 0.4 | 0.29 | ug/L | 73 | 0 | | | 57 | 118 | 20 |

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# Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

**SW-846**

**SDG No.:** BN072724

**Client:**

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

| Lab Sample ID | Parameter | Spike | Result | Unit | Rec | RPD | Qual | RPD Qual | Limits Low | Limits High | Limits RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PB162294BSD | Fluoranthene | 0.4 | 0.37 | ug/L | 93 | 0 | | | 53 | 126 | 20 |
| | Pyrene | 0.4 | 0.32 | ug/L | 80 | 0 | | | 54 | 124 | 20 |
| | Benzo(a)anthracene | 0.4 | 0.33 | ug/L | 83 | 6 | | | 54 | 130 | 20 |
| | Chrysene | 0.4 | 0.37 | ug/L | 93 | 5 | | | 64 | 126 | 20 |
| | bis(2-Ethylhexyl)phthalate | 0.4 | 0.39 | ug/L | 98 | 3 | | | 40 | 137 | 20 |
| | Benzo(b)fluoranthene | 0.4 | 0.3 | ug/L | 75 | 0 | | | 65 | 121 | 20 |
| | Benzo(k)fluoranthene | 0.4 | 0.34 | ug/L | 85 | 0 | | | 72 | 119 | 20 |
| | Benzo(a)pyrene | 0.4 | 0.33 | ug/L | 83 | 0 | | | 68 | 120 | 20 |
| | Indeno(1,2,3-cd)pyrene | 0.4 | 0.33 | ug/L | 83 | 3 | | | 70 | 127 | 20 |
| | Dibenz(a,h)anthracene | 0.4 | 0.33 | ug/L | 83 | 3 | | | 65 | 121 | 20 |
| | Benzo(g,h,i)perylene | 0.4 | 0.34 | ug/L | 85 | 0 | | | 76 | 117 | 20 |
| | 1,4-Dioxane | 0.4 | 0.44 | ug/L | 110 | 2 | | | 60 | 132 | 20 |

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

BP-VPB-189-EB-20240

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BN072724 SAS No.: BN072724 SDG NO.: BN072724

Lab File ID: BN033046.D Lab Sample ID: P3307-03

Instrument ID: BNA_N Date Extracted:

Matrix: (soil/water) Water Date Analyzed: 07/27/2024

Level: (low/med) LOW Time Analyzed: 23:16

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

| EPA SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED |
|---|---|---|---|
| BP-VPB-189-EB-20240717 | P3307-03 | BN033046.D | 07/27/2024 |

COMMENTS:

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB162161BL

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BN072724 SAS No.: BN072724 SDG NO.: BN072724

Lab File ID: BN033050.D Lab Sample ID: PB162161BL

Instrument ID: BNA_N Date Extracted: 07/19/2024

Matrix: (soil/water) Water Date Analyzed: 07/28/2024

Level: (low/med) LOW Time Analyzed: 01:40

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

| EPA SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED |
|---|---|---|---|
| SP-100-20240717 | P3299-01 | BN033043.D | 07/27/2024 |
| SP-201-20240717 | P3299-02 | BN033044.D | 07/27/2024 |
| BP-VPB-189-GW-923-925 | P3307-04 | BN033045.D | 07/27/2024 |
| SP-303-20240717 | P3299-03 | BN033047.D | 07/27/2024 |
| PB162161BS | PB162161BS | BN033048.D | 07/28/2024 |
| PB162161BSD | PB162161BSD | BN033049.D | 07/28/2024 |

COMMENTS:

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4B

# SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB162236BL

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BN072724 SAS No.: BN072724 SDG NO.: BN072724

Lab File ID: BN033056.D Lab Sample ID: PB162236BL

Instrument ID: BNA_N Date Extracted: 07/23/2024

Matrix: (soil/water) Water Date Analyzed: 07/28/2024

Level: (low/med) LOW Time Analyzed: 06:00

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

| EPA SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED |
|---|---|---|---|
| PB162236BS | PB162236BS | BN033057.D | 07/28/2024 |
| PB162236BSD | PB162236BSD | BN033058.D | 07/28/2024 |
| BP-VPB-196-GW-1000-1002 | P3338-04 | BN033059.D | 07/28/2024 |
| BP-VPB-196-EB-20240718 | P3338-02 | BN033051.D | 07/28/2024 |
| VPB196-HYD-20240718 | P3338-03 | BN033052.D | 07/28/2024 |

COMMENTS:

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4B

# SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB162294BL

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BN072724 SAS No.: BN072724 SDG NO.: BN072724

Lab File ID: BN033037.D Lab Sample ID: PB162294BL

Instrument ID: BNA_N Date Extracted: 07/26/2024

Matrix: (soil/water) Water Date Analyzed: 07/27/2024

Level: (low/med) LOW Time Analyzed: 17:50

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

| EPA SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED |
|---|---|---|---|
| PB162294BS | PB162294BS | BN033038.D | 07/27/2024 |
| PB162294BSD | PB162294BSD | BN033039.D | 07/27/2024 |
| GWBR-05-282-302-072524 | P3375-01 | BN033040.D | 07/27/2024 |
| GWBR-05-258-278-072524 | P3375-02 | BN033041.D | 07/27/2024 |
| EB-01-072524 | P3375-04 | BN033042.D | 07/27/2024 |

COMMENTS:

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# Surrogate Summary

**SW-846**

**SDG No.:** BN072724

**Client:**

**Analytical Method:** 8270-Modified

| Lab Sample ID | Client ID | Datafile | Parameter | Spike (PPM) | Result (PPM) | Recovery (%) | Qual | Limits (%) Low | Limits (%) High |
|---|---|---|---|---|---|---|---|---|---|
| P3307-03 | BP-VPB-189-EB-2( | BN033046.D | 2-Methylnaphthalene-d10 | 0.4 | 12.00 | 3000 | * | 30 | 150 |
| | | | Fluoranthene-d10 | 0.4 | 151.00 | 37750 | * | 30 | 150 |
| | | | 2-Fluorophenol | 0.4 | 13.00 | 3250 | * | 10 | 92 |
| | | | Phenol-d6 | 0.4 | 5.00 | 1250 | * | 10 | 100 |
| | | | Nitrobenzene-d5 | 0.4 | 242.00 | 60500 | * | 11 | 175 |
| | | | 2-Fluorobiphenyl | 0.4 | 178.00 | 44500 | * | 10 | 175 |
| | | | 2,4,6-Tribromophenol | 0.4 | 16.00 | 4000 | * | 24 | 148 |
| | | | Terphenyl-d14 | 0.4 | 253.00 | 63250 | * | 54 | 171 |

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# Surrogate Summary

**SW-846**

**SDG No.:** BN072724

**Client:**

**Analytical Method:** 8270-Modified

| Lab Sample ID | Client ID | Datafile | Parameter | Spike (PPM) | Result (PPM) | Recovery (%) | Qual | Limits (%) Low | Limits (%) High |
|---|---|---|---|---|---|---|---|---|---|
| P3299-01 | SP-100-20240717 | BN033043.D | 2-Methylnaphthalene-d10 | 0.4 | 0.30 | 76 | | 30 | 150 |
| | | | Fluoranthene-d10 | 0.4 | 0.42 | 105 | | 30 | 150 |
| | | | 2-Fluorophenol | 0.4 | 0.16 | 39 | | 10 | 92 |
| | | | Phenol-d6 | 0.4 | 0.15 | 37 | | 10 | 100 |
| | | | Nitrobenzene-d5 | 0.4 | 0.31 | 76 | | 11 | 175 |
| | | | 2-Fluorobiphenyl | 0.4 | 0.27 | 67 | | 10 | 175 |
| | | | 2,4,6-Tribromophenol | 0.4 | 0.25 | 63 | | 24 | 148 |
| | | | Terphenyl-d14 | 0.4 | 0.47 | 117 | | 54 | 171 |
| P3299-02 | SP-201-20240717 | BN033044.D | 2-Methylnaphthalene-d10 | 0.4 | 0.26 | 65 | | 30 | 150 |
| | | | Fluoranthene-d10 | 0.4 | 0.35 | 87 | | 30 | 150 |
| | | | 2-Fluorophenol | 0.4 | 0.19 | 47 | | 10 | 92 |
| | | | Phenol-d6 | 0.4 | 0.14 | 36 | | 10 | 100 |
| | | | Nitrobenzene-d5 | 0.4 | 0.24 | 60 | | 11 | 175 |
| | | | 2-Fluorobiphenyl | 0.4 | 0.23 | 56 | | 10 | 175 |
| | | | 2,4,6-Tribromophenol | 0.4 | 0.19 | 47 | | 24 | 148 |
| | | | Terphenyl-d14 | 0.4 | 0.42 | 104 | | 54 | 171 |
| P3299-03 | SP-303-20240717 | BN033047.D | 2-Methylnaphthalene-d10 | 0.4 | 0.31 | 76 | | 30 | 150 |
| | | | Fluoranthene-d10 | 0.4 | 0.39 | 98 | | 30 | 150 |
| | | | 2-Fluorophenol | 0.4 | 0.27 | 68 | | 10 | 92 |
| | | | Phenol-d6 | 0.4 | 0.17 | 43 | | 10 | 100 |
| | | | Nitrobenzene-d5 | 0.4 | 0.31 | 79 | | 11 | 175 |
| | | | 2-Fluorobiphenyl | 0.4 | 0.26 | 64 | | 10 | 175 |
| | | | 2,4,6-Tribromophenol | 0.4 | 0.28 | 69 | | 24 | 148 |
| | | | Terphenyl-d14 | 0.4 | 0.45 | 112 | | 54 | 171 |
| P3307-04 | BP-VPB-189-GW-9 | BN033045.D | 2-Methylnaphthalene-d10 | 0.4 | 0.45 | 113 | | 30 | 150 |
| | | | Fluoranthene-d10 | 0.4 | 0.33 | 81 | | 30 | 150 |
| | | | 2-Fluorophenol | 0.4 | 0.16 | 41 | | 10 | 92 |
| | | | Phenol-d6 | 0.4 | 0.14 | 36 | | 10 | 100 |
| | | | Nitrobenzene-d5 | 0.4 | 0.31 | 78 | | 11 | 175 |
| | | | 2-Fluorobiphenyl | 0.4 | 0.26 | 64 | | 10 | 175 |
| | | | 2,4,6-Tribromophenol | 0.4 | 0.12 | 31 | | 24 | 148 |
| | | | Terphenyl-d14 | 0.4 | 0.35 | 87 | | 54 | 171 |
| PB162161BL | PB162161BL | BN033050.D | 2-Methylnaphthalene-d10 | 0.4 | 0.32 | 80 | | 30 | 150 |
| | | | Fluoranthene-d10 | 0.4 | 0.36 | 90 | | 30 | 150 |
| | | | 2-Fluorophenol | 0.4 | 0.34 | 84 | | 10 | 92 |
| | | | Phenol-d6 | 0.4 | 0.44 | 109 | * | 10 | 100 |
| | | | Nitrobenzene-d5 | 0.4 | 0.31 | 78 | | 11 | 175 |
| | | | 2-Fluorobiphenyl | 0.4 | 0.29 | 72 | | 10 | 175 |
| | | | 2,4,6-Tribromophenol | 0.4 | 0.15 | 37 | | 24 | 148 |
| | | | Terphenyl-d14 | 0.4 | 0.39 | 98 | | 54 | 171 |
| PB162161BS | PB162161BS | BN033048.D | 2-Methylnaphthalene-d10 | 0.4 | 0.40 | 100 | | 30 | 150 |
| | | | Fluoranthene-d10 | 0.4 | 0.39 | 97 | | 30 | 150 |
| | | | 2-Fluorophenol | 0.4 | 0.45 | 111 | * | 10 | 92 |
| | | | Phenol-d6 | 0.4 | 0.54 | 134 | * | 10 | 100 |
| | | | Nitrobenzene-d5 | 0.4 | 0.39 | 97 | | 11 | 175 |
| | | | 2-Fluorobiphenyl | 0.4 | 0.34 | 85 | | 10 | 175 |
| | | | 2,4,6-Tribromophenol | 0.4 | 0.35 | 86 | | 24 | 148 |
| | | | Terphenyl-d14 | 0.4 | 0.37 | 92 | | 54 | 171 |
| PB162161BSD | PB162161BSD | BN033049.D | 2-Methylnaphthalene-d10 | 0.4 | 0.40 | 101 | | 30 | 150 |

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Fax : 908 789 8922

# Surrogate Summary

**SW-846**

**SDG No.:** BN072724

**Client:**

**Analytical Method:** 8270-Modified

| Lab Sample ID | Client ID | Datafile | Parameter | Spike (PPM) | Result (PPM) | Recovery (%) | Qual | Limits (%) Low | Limits (%) High |
|---|---|---|---|---|---|---|---|---|---|
| PB162161BSD | PB162161BSD | BN033049.D | Fluoranthene-d10 | 0.4 | 0.39 | 96 | | 30 | 150 |
| | | | 2-Fluorophenol | 0.4 | 0.45 | 112 | * | 10 | 92 |
| | | | Phenol-d6 | 0.4 | 0.55 | 137 | * | 10 | 100 |
| | | | Nitrobenzene-d5 | 0.4 | 0.39 | 97 | | 11 | 175 |
| | | | 2-Fluorobiphenyl | 0.4 | 0.31 | 78 | | 10 | 175 |
| | | | 2,4,6-Tribromophenol | 0.4 | 0.33 | 83 | | 24 | 148 |
| | | | Terphenyl-d14 | 0.4 | 0.37 | 93 | | 54 | 171 |

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# Surrogate Summary

**SW-846**

**SDG No.:** BN072724

**Client:**

**Analytical Method:** 8270-Modified

| Lab Sample ID | Client ID | Datafile | Parameter | Spike (PPM) | Result (PPM) | Recovery (%) | Qual | Limits (%) Low | Limits (%) High |
|---|---|---|---|---|---|---|---|---|---|
| P3338-02 | BP-VPB-196-EB-2( | BN033051.D | 2-Methylnaphthalene-d10 | 0.4 | 0.30 | 75 | | 30 | 150 |
| | | | Fluoranthene-d10 | 0.4 | 0.42 | 105 | | 30 | 150 |
| | | | 2-Fluorophenol | 0.4 | 0.29 | 72 | | 10 | 92 |
| | | | Phenol-d6 | 0.4 | 0.19 | 47 | | 10 | 100 |
| | | | Nitrobenzene-d5 | 0.4 | 0.41 | 103 | | 11 | 175 |
| | | | 2-Fluorobiphenyl | 0.4 | 0.34 | 86 | | 10 | 175 |
| | | | 2,4,6-Tribromophenol | 0.4 | 0.35 | 86 | | 24 | 148 |
| | | | Terphenyl-d14 | 0.4 | 0.49 | 123 | | 54 | 171 |
| P3338-03 | VPB196-HYD-202 | BN033052.D | 2-Methylnaphthalene-d10 | 0.4 | 0.00 | 0 | * | 30 | 150 |
| | | | Fluoranthene-d10 | 0.4 | 0.23 | 56 | | 30 | 150 |
| | | | 2-Fluorophenol | 0.4 | 0.06 | 15 | | 10 | 92 |
| | | | Phenol-d6 | 0.4 | 0.01 | 2 | * | 10 | 100 |
| | | | Nitrobenzene-d5 | 0.4 | 0.42 | 104 | | 11 | 175 |
| | | | 2-Fluorobiphenyl | 0.4 | 0.34 | 85 | | 10 | 175 |
| | | | 2,4,6-Tribromophenol | 0.4 | 0.25 | 62 | | 24 | 148 |
| | | | Terphenyl-d14 | 0.4 | 0.49 | 121 | | 54 | 171 |
| P3338-04 | BP-VPB-196-GW-1 | BN033059.D | 2-Methylnaphthalene-d10 | 0.4 | 0.28 | 70 | | 30 | 150 |
| | | | Fluoranthene-d10 | 0.4 | 0.39 | 96 | | 30 | 150 |
| | | | 2-Fluorophenol | 0.4 | 0.19 | 47 | | 10 | 92 |
| | | | Phenol-d6 | 0.4 | 0.14 | 34 | | 10 | 100 |
| | | | Nitrobenzene-d5 | 0.4 | 0.31 | 77 | | 11 | 175 |
| | | | 2-Fluorobiphenyl | 0.4 | 0.30 | 74 | | 10 | 175 |
| | | | 2,4,6-Tribromophenol | 0.4 | 0.27 | 67 | | 24 | 148 |
| | | | Terphenyl-d14 | 0.4 | 0.41 | 103 | | 54 | 171 |
| PB162236BL | PB162236BL | BN033056.D | 2-Methylnaphthalene-d10 | 0.4 | 0.35 | 88 | | 30 | 150 |
| | | | Fluoranthene-d10 | 0.4 | 0.43 | 107 | | 30 | 150 |
| | | | 2-Fluorophenol | 0.4 | 0.41 | 103 | * | 10 | 92 |
| | | | Phenol-d6 | 0.4 | 0.41 | 102 | * | 10 | 100 |
| | | | Nitrobenzene-d5 | 0.4 | 0.41 | 103 | | 11 | 175 |
| | | | 2-Fluorobiphenyl | 0.4 | 0.35 | 88 | | 10 | 175 |
| | | | 2,4,6-Tribromophenol | 0.4 | 0.21 | 52 | | 24 | 148 |
| | | | Terphenyl-d14 | 0.4 | 0.43 | 108 | | 54 | 171 |
| PB162236BS | PB162236BS | BN033057.D | 2-Methylnaphthalene-d10 | 0.4 | 0.39 | 98 | | 30 | 150 |
| | | | Fluoranthene-d10 | 0.4 | 0.38 | 95 | | 30 | 150 |
| | | | 2-Fluorophenol | 0.4 | 0.46 | 115 | * | 10 | 92 |
| | | | Phenol-d6 | 0.4 | 0.52 | 129 | * | 10 | 100 |
| | | | Nitrobenzene-d5 | 0.4 | 0.42 | 106 | | 11 | 175 |
| | | | 2-Fluorobiphenyl | 0.4 | 0.37 | 93 | | 10 | 175 |
| | | | 2,4,6-Tribromophenol | 0.4 | 0.31 | 77 | | 24 | 148 |
| | | | Terphenyl-d14 | 0.4 | 0.36 | 91 | | 54 | 171 |
| PB162236BSD | PB162236BSD | BN033058.D | 2-Methylnaphthalene-d10 | 0.4 | 0.39 | 96 | | 30 | 150 |
| | | | Fluoranthene-d10 | 0.4 | 0.38 | 96 | | 30 | 150 |
| | | | 2-Fluorophenol | 0.4 | 0.46 | 115 | * | 10 | 92 |
| | | | Phenol-d6 | 0.4 | 0.52 | 130 | * | 10 | 100 |
| | | | Nitrobenzene-d5 | 0.4 | 0.45 | 112 | | 11 | 175 |
| | | | 2-Fluorobiphenyl | 0.4 | 0.32 | 80 | | 10 | 175 |
| | | | 2,4,6-Tribromophenol | 0.4 | 0.31 | 77 | | 24 | 148 |
| | | | Terphenyl-d14 | 0.4 | 0.38 | 94 | | 54 | 171 |

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Fax : 908 789 8922

# Surrogate Summary

**SW-846**

**SDG No.:** BN072724

**Client:**

**Analytical Method:** 8270-Modified

| Lab Sample ID | Client ID | Datafile | Parameter | Spike (PPM) | Result (PPM) | Recovery (%) | Qual | Limits (%) Low | Limits (%) High |
|---|---|---|---|---|---|---|---|---|---|
| P3375-01 | GWBR-05-282-302 | BN033040.D | 2-Methylnaphthalene-d10 | 0.4 | 0.31 | 78 | | 30 | 150 |
| | | | Fluoranthene-d10 | 0.4 | 0.42 | 104 | | 30 | 150 |
| | | | 2-Fluorophenol | 0.4 | 0.19 | 47 | | 10 | 92 |
| | | | Phenol-d6 | 0.4 | 0.12 | 30 | | 10 | 100 |
| | | | Nitrobenzene-d5 | 0.4 | 0.24 | 60 | | 11 | 175 |
| | | | 2-Fluorobiphenyl | 0.4 | 0.27 | 68 | | 10 | 175 |
| | | | 2,4,6-Tribromophenol | 0.4 | 0.28 | 69 | | 24 | 148 |
| | | | Terphenyl-d14 | 0.4 | 0.48 | 119 | | 54 | 171 |
| P3375-02 | GWBR-05-258-278 | BN033041.D | 2-Methylnaphthalene-d10 | 0.4 | 0.30 | 74 | | 30 | 150 |
| | | | Fluoranthene-d10 | 0.4 | 0.41 | 102 | | 30 | 150 |
| | | | 2-Fluorophenol | 0.4 | 0.19 | 47 | | 10 | 92 |
| | | | Phenol-d6 | 0.4 | 0.09 | 23 | | 10 | 100 |
| | | | Nitrobenzene-d5 | 0.4 | 0.26 | 64 | | 11 | 175 |
| | | | 2-Fluorobiphenyl | 0.4 | 0.25 | 63 | | 10 | 175 |
| | | | 2,4,6-Tribromophenol | 0.4 | 0.24 | 60 | | 24 | 148 |
| | | | Terphenyl-d14 | 0.4 | 0.46 | 115 | | 54 | 171 |
| P3375-04 | EB-01-072524 | BN033042.D | 2-Methylnaphthalene-d10 | 0.4 | 0.33 | 82 | | 30 | 150 |
| | | | Fluoranthene-d10 | 0.4 | 0.43 | 106 | | 30 | 150 |
| | | | 2-Fluorophenol | 0.4 | 0.22 | 54 | | 10 | 92 |
| | | | Phenol-d6 | 0.4 | 0.15 | 36 | | 10 | 100 |
| | | | Nitrobenzene-d5 | 0.4 | 0.36 | 91 | | 11 | 175 |
| | | | 2-Fluorobiphenyl | 0.4 | 0.29 | 73 | | 10 | 175 |
| | | | 2,4,6-Tribromophenol | 0.4 | 0.30 | 75 | | 24 | 148 |
| | | | Terphenyl-d14 | 0.4 | 0.49 | 123 | | 54 | 171 |
| PB162294BL | PB162294BL | BN033037.D | 2-Methylnaphthalene-d10 | 0.4 | 0.34 | 86 | | 30 | 150 |
| | | | Fluoranthene-d10 | 0.4 | 0.40 | 100 | | 30 | 150 |
| | | | 2-Fluorophenol | 0.4 | 0.40 | 101 | * | 10 | 92 |
| | | | Phenol-d6 | 0.4 | 0.41 | 102 | * | 10 | 100 |
| | | | Nitrobenzene-d5 | 0.4 | 0.31 | 77 | | 11 | 175 |
| | | | 2-Fluorobiphenyl | 0.4 | 0.32 | 79 | | 10 | 175 |
| | | | 2,4,6-Tribromophenol | 0.4 | 0.19 | 48 | | 24 | 148 |
| | | | Terphenyl-d14 | 0.4 | 0.43 | 108 | | 54 | 171 |
| PB162294BS | PB162294BS | BN033038.D | 2-Methylnaphthalene-d10 | 0.4 | 0.40 | 100 | | 30 | 150 |
| | | | Fluoranthene-d10 | 0.4 | 0.39 | 98 | | 30 | 150 |
| | | | 2-Fluorophenol | 0.4 | 0.45 | 112 | * | 10 | 92 |
| | | | Phenol-d6 | 0.4 | 0.55 | 137 | * | 10 | 100 |
| | | | Nitrobenzene-d5 | 0.4 | 0.40 | 101 | | 11 | 175 |
| | | | 2-Fluorobiphenyl | 0.4 | 0.35 | 87 | | 10 | 175 |
| | | | 2,4,6-Tribromophenol | 0.4 | 0.34 | 85 | | 24 | 148 |
| | | | Terphenyl-d14 | 0.4 | 0.36 | 89 | | 54 | 171 |
| PB162294BSD | PB162294BSD | BN033039.D | 2-Methylnaphthalene-d10 | 0.4 | 0.40 | 101 | | 30 | 150 |
| | | | Fluoranthene-d10 | 0.4 | 0.40 | 100 | | 30 | 150 |
| | | | 2-Fluorophenol | 0.4 | 0.46 | 116 | * | 10 | 92 |
| | | | Phenol-d6 | 0.4 | 0.49 | 122 | * | 10 | 100 |
| | | | Nitrobenzene-d5 | 0.4 | 0.32 | 79 | | 11 | 175 |
| | | | 2-Fluorobiphenyl | 0.4 | 0.34 | 86 | | 10 | 175 |
| | | | 2,4,6-Tribromophenol | 0.4 | 0.34 | 84 | | 24 | 148 |
| | | | Terphenyl-d14 | 0.4 | 0.37 | 91 | | 54 | 171 |

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Fax : 908 789 8922

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: BN072724

Lab Code: CHEM SAS No.: BN072724 SDG NO.: BN072724

Lab File ID: BN033035.D DFTPP Injection Date: 07/27/2024

Instrument ID: BNA_N DFTPP Injection Time: 15:55

| m/e | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|---|---|---|
| 51 | 10.0 - 80.0% of mass 198 | 31.6 |
| 68 | Less than 2.0% of mass 69 | 0.7 ( 1.9 ) 1 |
| 69 | Mass 69 relative abundance | 37.2 |
| 70 | Less than 2.0% of mass 69 | 0.2 ( 0.5 ) 1 |
| 127 | 10.0 - 80.0% of mass 198 | 49.8 |
| 197 | Less than 2.0% of mass 198 | 0.0 |
| 198 | Base Peak, 100% relative abundance | 100 |
| 199 | 5.0 to 9.0% of mass 198 | 7.1 |
| 275 | 10.0 - 60.0% of mass 198 | 27.9 |
| 365 | Greater than 1% of mass 198 | 3.7 |
| 441 | Present, but less than mass 443 | 10.9 |
| 442 | Greater than 50% of mass 198 | 68.4 |
| 443 | 15.0 - 24.0% of mass 442 | 13.6 (19.8) 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 | BN033036.D | 07/27/2024 | 17:14 |
| PB162294BL | PB162294BL | BN033037.D | 07/27/2024 | 17:50 |
| PB162294BS | PB162294BS | BN033038.D | 07/27/2024 | 18:26 |
| PB162294BSD | PB162294BSD | BN033039.D | 07/27/2024 | 19:03 |
| GWBR-05-282-302-072524 | P3375-01 | BN033040.D | 07/27/2024 | 19:39 |
| GWBR-05-258-278-072524 | P3375-02 | BN033041.D | 07/27/2024 | 20:15 |
| EB-01-072524 | P3375-04 | BN033042.D | 07/27/2024 | 20:51 |
| SP-100-20240717 | P3299-01 | BN033043.D | 07/27/2024 | 21:27 |
| SP-201-20240717 | P3299-02 | BN033044.D | 07/27/2024 | 22:03 |
| BP-VPB-189-GW-923-925 | P3307-04 | BN033045.D | 07/27/2024 | 22:40 |
| BP-VPB-189-EB-20240717 | P3307-03 | BN033046.D | 07/27/2024 | 23:16 |
| SP-303-20240717 | P3299-03 | BN033047.D | 07/27/2024 | 23:52 |
| PB162161BS | PB162161BS | BN033048.D | 07/28/2024 | 00:28 |
| PB162161BSD | PB162161BSD | BN033049.D | 07/28/2024 | 01:04 |
| PB162161BL | PB162161BL | BN033050.D | 07/28/2024 | 01:40 |
| BP-VPB-196-EB-20240718 | P3338-02 | BN033051.D | 07/28/2024 | 02:16 |
| VPB196-HYD-20240718 | P3338-03 | BN033052.D | 07/28/2024 | 02:52 |
| SSTDCCC0.4EC | SSTDCCC0.4 | BN033053.D | 07/28/2024 | 03:28 |

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Fax : 908 789 8922

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: BN072724

Lab Code: CHEM SAS No.: BN072724 SDG NO.: BN072724

Lab File ID: BN033054.D DFTPP Injection Date: 07/28/2024

Instrument ID: BNA_N DFTPP Injection Time: 04:44

| m/e | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|---|---|---|
| 51 | 10.0 - 80.0% of mass 198 | 39.4 |
| 68 | Less than 2.0% of mass 69 | 0.8 ( 1.8 ) 1 |
| 69 | Mass 69 relative abundance | 43.7 |
| 70 | Less than 2.0% of mass 69 | 0.3 ( 0.6 ) 1 |
| 127 | 10.0 - 80.0% of mass 198 | 53.2 |
| 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 | 6.9 |
| 275 | 10.0 - 60.0% of mass 198 | 26.2 |
| 365 | Greater than 1% of mass 198 | 3.9 |
| 441 | Present, but less than mass 443 | 8.4 |
| 442 | Greater than 50% of mass 198 | 54.4 |
| 443 | 15.0 - 24.0% of mass 442 | 11.1 (20.4) 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 | BN033055.D | 07/28/2024 | 05:24 |
| PB162236BL | PB162236BL | BN033056.D | 07/28/2024 | 06:00 |
| PB162236BS | PB162236BS | BN033057.D | 07/28/2024 | 06:36 |
| PB162236BSD | PB162236BSD | BN033058.D | 07/28/2024 | 07:12 |
| BP-VPB-196-GW-1000-1002 | P3338-04 | BN033059.D | 07/28/2024 | 07:48 |
| SSTDCCC0.4EC | SSTDCCC0.4 | BN033060.D | 07/28/2024 | 08:24 |