CHEMTECH
AN ALLIANCE TECHNICAL GROUP COMPANY
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.: BN062524 SAS No.: BN062524 SDG No.: BN062524

Instrument ID: BNA_N Calibration Date/Time: 6/25/2024 12 20:53

Lab File ID: BN032249.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 | 0.637 | 0.544 | | -14.6 | 20.0 |
| Fluoranthene-d10 | 1.089 | 0.954 | | -12.397 | 20.0 |
| n-Nitrosodimethylamine | 0.465 | 0.388 | | -16.559 | 20.0 |
| 2-Fluorophenol | 1.137 | 1.013 | | -10.906 | 20.0 |
| Phenol-d6 | 1.491 | 1.179 | | -20.926 | 20.0 |
| bis(2-Chloroethyl)ether | 1.284 | 0.919 | | -28.427 | 20.0 |
| Nitrobenzene-d5 | 0.332 | 0.295 | | -11.145 | 20.0 |
| Naphthalene | 1.077 | 0.993 | | -7.799 | 20.0 |
| Hexachlorobutadiene | 0.188 | 0.204 | | 8.511 | 20.0 |
| 2-Methylnaphthalene | 0.736 | 0.646 | | -12.228 | 20.0 |
| 2-Fluorobiphenyl | 1.517 | 1.418 | | -6.526 | 20.0 |
| Acenaphthylene | 1.844 | 1.597 | | -13.395 | 20.0 |
| Acenaphthene | 1.187 | 1.056 | | -11.036 | 20.0 |
| Fluorene | 1.586 | 1.331 | | -16.078 | 20.0 |
| 4,6-Dinitro-2-methylphenol | 0.069 | 0.029 | | -57.971 | 20.0 |
| 2,4,6-Tribromophenol | 0.192 | 0.172 | | -10.417 | 20.0 |
| 4-Bromophenyl-phenylether | 0.227 | 0.213 | | -6.167 | 20.0 |
| Hexachlorobenzene | 0.235 | 0.243 | | 3.404 | 20.0 |
| Atrazine | 0.208 | 0.177 | | -14.904 | 20.0 |
| Pentachlorophenol | 0.117 | 0.095 | | -18.803 | 20.0 |
| Phenanthrene | 1.110 | 1.008 | | -9.189 | 20.0 |
| Anthracene | 1.030 | 0.925 | | -10.194 | 20.0 |
| Fluoranthene | 1.346 | 1.228 | | -8.767 | 20.0 |
| Pyrene | 1.589 | 1.378 | | -13.279 | 20.0 |
| Terphenyl-d14 | 0.978 | 0.760 | | -22.29 | 20.0 |
| Benzo(a)anthracene | 1.507 | 1.334 | | -11.48 | 20.0 |
| Chrysene | 1.424 | 1.309 | | -8.076 | 20.0 |
| Bis(2-ethylhexyl)phthalate | 1.029 | 0.948 | | -7.872 | 20.0 |
| Benzo(b)fluoranthene | 1.458 | 1.364 | | -6.447 | 20.0 |
| Benzo(k)fluoranthene | 1.378 | 1.336 | | -3.048 | 20.0 |
| Benzo(a)pyrene | 1.258 | 1.160 | | -7.79 | 20.0 |
| Indeno(1,2,3-cd)pyrene | 1.492 | 1.529 | | 2.48 | 20.0 |
| Dibenzo(a,h)anthracene | 1.176 | 1.224 | | 4.082 | 20.0 |
| Benzo(g,h,i)perylene | 1.263 | 1.279 | | 1.267 | 20.0 |
| 1,4-Dioxane | 0.490 | 0.429 | | -12.449 | 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.: BN062524 SAS No.: BN062524 SDG No.: BN062524

Instrument ID: BNA_N Calibration Date/Time: 6/26/2024 12 07:07

Lab File ID: BN032265.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 | 0.637 | 0.523 | | -17.896 | 50.0 |
| Fluoranthene-d10 | 1.089 | 0.949 | | -12.856 | 50.0 |
| n-Nitrosodimethylamine | 0.465 | 0.376 | | -19.14 | 50.0 |
| 2-Fluorophenol | 1.137 | 0.991 | | -12.841 | 50.0 |
| Phenol-d6 | 1.491 | 1.154 | | -22.602 | 50.0 |
| bis(2-Chloroethyl)ether | 1.284 | 0.966 | | -24.766 | 50.0 |
| Nitrobenzene-d5 | 0.332 | 0.282 | | -15.06 | 50.0 |
| Naphthalene | 1.077 | 0.957 | | -11.142 | 50.0 |
| Hexachlorobutadiene | 0.188 | 0.199 | | 5.851 | 50.0 |
| 2-Methylnaphthalene | 0.736 | 0.615 | | -16.44 | 50.0 |
| 2-Fluorobiphenyl | 1.517 | 1.415 | | -6.724 | 50.0 |
| Acenaphthylene | 1.844 | 1.511 | | -18.059 | 50.0 |
| Acenaphthene | 1.187 | 1.045 | | -11.963 | 50.0 |
| Fluorene | 1.586 | 1.285 | | -18.979 | 50.0 |
| 4,6-Dinitro-2-methylphenol | 0.069 | 0.030 | | -56.522 | 50.0 |
| 2,4,6-Tribromophenol | 0.192 | 0.155 | | -19.271 | 50.0 |
| 4-Bromophenyl-phenylether | 0.227 | 0.212 | | -6.608 | 50.0 |
| Hexachlorobenzene | 0.235 | 0.245 | | 4.255 | 50.0 |
| Atrazine | 0.208 | 0.158 | | -24.038 | 50.0 |
| Pentachlorophenol | 0.117 | 0.080 | | -31.624 | 50.0 |
| Phenanthrene | 1.110 | 1.016 | | -8.468 | 50.0 |
| Anthracene | 1.030 | 0.892 | | -13.398 | 50.0 |
| Fluoranthene | 1.346 | 1.205 | | -10.475 | 50.0 |
| Pyrene | 1.589 | 1.432 | | -9.88 | 50.0 |
| Terphenyl-d14 | 0.978 | 0.809 | | -17.28 | 50.0 |
| Benzo(a)anthracene | 1.507 | 1.333 | | -11.546 | 50.0 |
| Chrysene | 1.424 | 1.325 | | -6.952 | 50.0 |
| Bis(2-ethylhexyl)phthalate | 1.029 | 0.840 | | -18.367 | 50.0 |
| Benzo(b)fluoranthene | 1.458 | 1.334 | | -8.505 | 50.0 |
| Benzo(k)fluoranthene | 1.378 | 1.342 | | -2.612 | 50.0 |
| Benzo(a)pyrene | 1.258 | 1.161 | | -7.711 | 50.0 |
| Indeno(1,2,3-cd)pyrene | 1.492 | 1.533 | | 2.748 | 50.0 |
| Dibenzo(a,h)anthracene | 1.176 | 1.224 | | 4.082 | 50.0 |
| Benzo(g,h,i)perylene | 1.263 | 1.294 | | 2.454 | 50.0 |
| 1,4-Dioxane | 0.490 | 0.440 | | -10.204 | 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.: BN062524 SAS No.: BN062524 SDG No.: BN062524

Instrument ID: BNA_N Calibration Date/Time: 6/26/2024 12 09:02

Lab File ID: BN032267.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 | 0.637 | 0.528 | | -17.111 | 20.0 |
| Fluoranthene-d10 | 1.089 | 0.946 | | -13.131 | 20.0 |
| n-Nitrosodimethylamine | 0.465 | 0.375 | | -19.355 | 20.0 |
| 2-Fluorophenol | 1.137 | 0.952 | | -16.271 | 20.0 |
| Phenol-d6 | 1.491 | 1.127 | | -24.413 | 20.0 |
| bis(2-Chloroethyl)ether | 1.284 | 0.896 | | -30.218 | 20.0 |
| Nitrobenzene-d5 | 0.332 | 0.279 | | -15.964 | 20.0 |
| Naphthalene | 1.077 | 0.975 | | -9.471 | 20.0 |
| Hexachlorobutadiene | 0.188 | 0.201 | | 6.915 | 20.0 |
| 2-Methylnaphthalene | 0.736 | 0.624 | | -15.217 | 20.0 |
| 2-Fluorobiphenyl | 1.517 | 1.436 | | -5.339 | 20.0 |
| Acenaphthylene | 1.844 | 1.510 | | -18.113 | 20.0 |
| Acenaphthene | 1.187 | 1.059 | | -10.783 | 20.0 |
| Fluorene | 1.586 | 1.318 | | -16.898 | 20.0 |
| 4,6-Dinitro-2-methylphenol | 0.069 | 0.028 | | -59.42 | 20.0 |
| 2,4,6-Tribromophenol | 0.192 | 0.151 | | -21.354 | 20.0 |
| 4-Bromophenyl-phenylether | 0.227 | 0.212 | | -6.608 | 20.0 |
| Hexachlorobenzene | 0.235 | 0.247 | | 5.106 | 20.0 |
| Atrazine | 0.208 | 0.159 | | -23.558 | 20.0 |
| Pentachlorophenol | 0.117 | 0.084 | | -28.205 | 20.0 |
| Phenanthrene | 1.110 | 1.024 | | -7.748 | 20.0 |
| Anthracene | 1.030 | 0.894 | | -13.204 | 20.0 |
| Fluoranthene | 1.346 | 1.211 | | -10.03 | 20.0 |
| Pyrene | 1.589 | 1.454 | | -8.496 | 20.0 |
| Terphenyl-d14 | 0.978 | 0.814 | | -16.769 | 20.0 |
| Benzo(a)anthracene | 1.507 | 1.344 | | -10.816 | 20.0 |
| Chrysene | 1.424 | 1.336 | | -6.18 | 20.0 |
| Bis(2-ethylhexyl)phthalate | 1.029 | 0.769 | | -25.267 | 20.0 |
| Benzo(b)fluoranthene | 1.458 | 1.330 | | -8.779 | 20.0 |
| Benzo(k)fluoranthene | 1.378 | 1.370 | | -0.581 | 20.0 |
| Benzo(a)pyrene | 1.258 | 1.193 | | -5.167 | 20.0 |
| Indeno(1,2,3-cd)pyrene | 1.492 | 1.561 | | 4.625 | 20.0 |
| Dibenzo(a,h)anthracene | 1.176 | 1.243 | | 5.697 | 20.0 |
| Benzo(g,h,i)perylene | 1.263 | 1.319 | | 4.434 | 20.0 |
| 1,4-Dioxane | 0.490 | 0.434 | | -11.429 | 20.0 |

All other compounds must meet a minimum RRF of 0.010.

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# Report of Analysis

| | | | | | |
|---|---|---|---|---|---|
| Client: | | | | Date Collected: | 6/24/2024 12:00:00 AM |
| Project: | | | | Date Received: | 6/24/2024 12:00:00 AM |
| Client Sample ID: | PB161660BL | | | SDG No.: | BN062524 |
| Lab Sample ID: | PB161660BL | | | 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 |
|---|---|---|---|---|
| BN032250.D | 1 | 6/24/2024 12:00:00 AM | 6/25/2024 12:00:00 AM | PB161660 |

| 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: | 6/24/2024 12:00:00 AM |
| Project: | | | | Date Received: | 6/24/2024 12:00:00 AM |
| Client Sample ID: | PB161660BL | | | SDG No.: | BN062524 |
| Lab Sample ID: | PB161660BL | | | 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 |
|---|---|---|---|---|
| BN032250.D | 1 | 6/24/2024 12:00:00 AM | 6/25/2024 12:00:00 AM | PB161660 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **SURROGATES** | | | | | | | |
| 7297-45-2 | 2-Methylnaphthalene-d10 | 0.313 | | 30-150 | | 78 | SPK: -0.4 |
| 93951-69-0 | Fluoranthene-d10 | 0.35 | | 30-150 | | 88 | SPK: -0.4 |
| 367-12-4 | 2-Fluorophenol | 0.36 | | 10-92 | | 90 | SPK: -0.4 |
| 13127-88-3 | Phenol-d6 | 0.261 | | 10-100 | | 65 | SPK: -0.4 |
| 4165-60-0 | Nitrobenzene-d5 | 0.319 | | 11-175 | | 80 | SPK: -0.4 |
| 321-60-8 | 2-Fluorobiphenyl | 0.344 | | 10-175 | | 86 | SPK: -0.4 |
| 118-79-6 | 2,4,6-Tribromophenol | 0.29 | | 24-148 | | 72 | SPK: -0.4 |
| 1718-51-0 | Terphenyl-d14 | 0.312 | | 54-171 | | 78 | SPK: -0.4 |
| **INTERNAL STANDARDS** | | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 7287 | 7.631 | | | | |
| 1146-65-2 | Naphthalene-d8 | 20744 | 10.41 | | | | |
| 15067-26-2 | Acenaphthene-d10 | 11964 | 14.274 | | | | |
| 1517-22-2 | Phenanthrene-d10 | 24041 | 17.028 | | | | |
| 1719-03-5 | Chrysene-d12 | 21678 | 21.229 | | | | |
| 1520-96-3 | Perylene-d12 | 25314 | 23.455 | | | | |

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# Report of Analysis

| | | | | | |
|---|---|---|---|---|---|
| Client: | | | | Date Collected: | 6/24/2024 12:00:00 AM |
| Project: | | | | Date Received: | 6/24/2024 12:00:00 AM |
| Client Sample ID: | PB161660BS | | | SDG No.: | BN062524 |
| Lab Sample ID: | PB161660BS | | | 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 |
|---|---|---|---|---|
| BN032251.D | 1 | 6/24/2024 12:00:00 AM | 6/25/2024 12:00:00 AM | PB161660 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 62-75-9 | n-Nitrosodimethylamine | 0.3 | | 0.03 | 0.2 | 0.2 | ug/L |
| 111-44-4 | bis(2-Chloroethyl)ether | 0.26 | | 0.03 | 0.1 | 0.1 | ug/L |
| 91-20-3 | Naphthalene | 0.33 | | 0.02 | 0.1 | 0.1 | ug/L |
| 87-68-3 | Hexachlorobutadiene | 0.36 | | 0.03 | 0.1 | 0.1 | ug/L |
| 91-57-6 | 2-Methylnaphthalene | 0.31 | | 0.03 | 0.1 | 0.1 | ug/L |
| 208-96-8 | Acenaphthylene | 0.34 | | 0.02 | 0.1 | 0.1 | ug/L |
| 83-32-9 | Acenaphthene | 0.32 | | 0.02 | 0.1 | 0.1 | ug/L |
| Total PAH | Total PAH | 7.17 | | 0.45 | 0.1 | 1.6 | ug/L |
| 86-73-7 | Fluorene | 0.31 | | 0.02 | 0.1 | 0.1 | ug/L |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 0.29 | | 0.14 | 0.2 | 0.2 | ug/L |
| 101-55-3 | 4-Bromophenyl-phenylether | 0.34 | | 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 | 0.32 | | 0.02 | 0.1 | 0.1 | ug/L |
| 87-86-5 | Pentachlorophenol | 0.58 | | 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 | 0.41 | | 0.02 | 0.1 | 0.1 | ug/L |
| 206-44-0 | Fluoranthene | 0.4 | | 0.02 | 0.1 | 0.1 | ug/L |
| 129-00-0 | Pyrene | 0.42 | | 0.02 | 0.1 | 0.1 | ug/L |
| 56-55-3 | Benzo(a)anthracene | 0.49 | | 0.02 | 0.1 | 0.1 | ug/L |
| 218-01-9 | Chrysene | 0.5 | | 0.03 | 0.1 | 0.1 | ug/L |
| 117-81-7 | Bis(2-ethylhexyl)phthalate | 0.36 | | 0.14 | 0.2 | 0.2 | ug/L |
| 205-99-2 | Benzo(b)fluoranthene | 0.48 | | 0.03 | 0.1 | 0.1 | ug/L |
| 207-08-9 | Benzo(k)fluoranthene | 0.52 | | 0.03 | 0.1 | 0.1 | ug/L |
| 50-32-8 | Benzo(a)pyrene | 0.51 | | 0.06 | 0.1 | 0.1 | ug/L |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 0.61 | | 0.04 | 0.1 | 0.1 | ug/L |
| 53-70-3 | Dibenzo(a,h)anthracene | 0.6 | | 0.04 | 0.1 | 0.1 | ug/L |
| 191-24-2 | Benzo(g,h,i)perylene | 0.56 | | 0.04 | 0.1 | 0.1 | ug/L |
| 123-91-1 | 1,4-Dioxane | 0.26 | | 0.07 | 0.2 | 0.2 | ug/L |

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# Report of Analysis

| | | | | | |
|---|---|---|---|---|---|
| Client: | | | | Date Collected: | 6/24/2024 12:00:00 AM |
| Project: | | | | Date Received: | 6/24/2024 12:00:00 AM |
| Client Sample ID: | PB161660BS | | | SDG No.: | BN062524 |
| Lab Sample ID: | PB161660BS | | | 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 |
|---|---|---|---|---|
| BN032251.D | 1 | 6/24/2024 12:00:00 AM | 6/25/2024 12:00:00 AM | PB161660 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **SURROGATES** | | | | | | | |
| 7297-45-2 | 2-Methylnaphthalene-d10 | 0.409 | | 30-150 | | 102 | SPK: -0.4 |
| 93951-69-0 | Fluoranthene-d10 | 0.341 | | 30-150 | | 85 | SPK: -0.4 |
| 367-12-4 | 2-Fluorophenol | 0.331 | | 10-92 | | 83 | SPK: -0.4 |
| 13127-88-3 | Phenol-d6 | 0.281 | | 10-100 | | 70 | SPK: -0.4 |
| 4165-60-0 | Nitrobenzene-d5 | 0.326 | | 11-175 | | 81 | SPK: -0.4 |
| 321-60-8 | 2-Fluorobiphenyl | 0.348 | | 10-175 | | 87 | SPK: -0.4 |
| 118-79-6 | 2,4,6-Tribromophenol | 0.34 | | 24-148 | | 85 | SPK: -0.4 |
| 1718-51-0 | Terphenyl-d14 | 0.321 | | 54-171 | | 80 | SPK: -0.4 |
| **INTERNAL STANDARDS** | | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 7787 | 7.632 | | | | |
| 1146-65-2 | Naphthalene-d8 | 22427 | 10.41 | | | | |
| 15067-26-2 | Acenaphthene-d10 | 12513 | 14.274 | | | | |
| 1517-22-2 | Phenanthrene-d10 | 25700 | 17.029 | | | | |
| 1719-03-5 | Chrysene-d12 | 22037 | 21.229 | | | | |
| 1520-96-3 | Perylene-d12 | 25263 | 23.452 | | | | |

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Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | | Date Collected: | 6/21/2024 12:00:00 AM |
| Project: | | Date Received: | 6/21/2024 12:00:00 AM |
| Client Sample ID: | GWBR-05-187-208-062124 | SDG No.: | BN062524 |
| Lab Sample ID: | P3034-01 | 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 |
|---|---|---|---|---|
| BN032252.D | 1 | 6/24/2024 12:00:00 AM | 6/25/2024 12:00:00 AM | PB161660 |

| 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 | J | 0.03 | 0.1 | 0.1 | ug/L |
| 207-08-9 | Benzo(k)fluoranthene | 0.03 | J | 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 | 1.1 | | 0.07 | 0.2 | 0.2 | ug/L |

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# Report of Analysis

| | | | | | |
|---|---|---|---|---|---|
| Client: | | | | Date Collected: | 6/21/2024 12:00:00 AM |
| Project: | | | | Date Received: | 6/21/2024 12:00:00 AM |
| Client Sample ID: | GWBR-05-187-208-062124 | | | SDG No.: | BN062524 |
| Lab Sample ID: | P3034-01 | | | 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 |
|---|---|---|---|---|
| BN032252.D | 1 | 6/24/2024 12:00:00 AM | 6/25/2024 12:00:00 AM | PB161660 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **SURROGATES** | | | | | | | |
| 7297-45-2 | 2-Methylnaphthalene-d10 | 0.291 | | 30-150 | | 73 | SPK: -0.4 |
| 93951-69-0 | Fluoranthene-d10 | 0.38 | | 30-150 | | 95 | SPK: -0.4 |
| 367-12-4 | 2-Fluorophenol | 0.15 | | 10-92 | | 38 | SPK: -0.4 |
| 13127-88-3 | Phenol-d6 | 0.058 | | 10-100 | | 14 | SPK: -0.4 |
| 4165-60-0 | Nitrobenzene-d5 | 0.288 | | 11-175 | | 72 | SPK: -0.4 |
| 321-60-8 | 2-Fluorobiphenyl | 0.317 | | 10-175 | | 79 | SPK: -0.4 |
| 118-79-6 | 2,4,6-Tribromophenol | 0.355 | | 24-148 | | 89 | SPK: -0.4 |
| 1718-51-0 | Terphenyl-d14 | 0.326 | | 54-171 | | 81 | SPK: -0.4 |
| **INTERNAL STANDARDS** | | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 6757 | 7.632 | | | | |
| 1146-65-2 | Naphthalene-d8 | 19428 | 10.41 | | | | |
| 15067-26-2 | Acenaphthene-d10 | 11716 | 14.274 | | | | |
| 1517-22-2 | Phenanthrene-d10 | 24782 | 17.029 | | | | |
| 1719-03-5 | Chrysene-d12 | 24123 | 21.229 | | | | |
| 1520-96-3 | Perylene-d12 | 26314 | 23.455 | | | | |

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | | Date Collected: | 6/21/2024 12:00:00 AM |
| Project: | | Date Received: | 6/21/2024 12:00:00 AM |
| Client Sample ID: | GWBR-05-187-208-062124MS | SDG No.: | BN062524 |
| Lab Sample ID: | P3034-02MS | 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 |
|---|---|---|---|---|
| BN032253.D | 1 | 6/24/2024 12:00:00 AM | 6/25/2024 12:00:00 AM | PB161660 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 62-75-9 | n-Nitrosodimethylamine | 0.11 | J | 0.03 | 0.2 | 0.2 | ug/L |
| 111-44-4 | bis(2-Chloroethyl)ether | 0.25 | | 0.03 | 0.1 | 0.1 | ug/L |
| 91-20-3 | Naphthalene | 0.29 | | 0.02 | 0.1 | 0.1 | ug/L |
| 87-68-3 | Hexachlorobutadiene | 0.3 | | 0.03 | 0.1 | 0.1 | ug/L |
| 91-57-6 | 2-Methylnaphthalene | 0.28 | | 0.03 | 0.1 | 0.1 | ug/L |
| 208-96-8 | Acenaphthylene | 0.3 | | 0.02 | 0.1 | 0.1 | ug/L |
| 83-32-9 | Acenaphthene | 0.28 | | 0.02 | 0.1 | 0.1 | ug/L |
| Total PAH | Total PAH | 5.71 | | 0.45 | 0.1 | 1.6 | ug/L |
| 86-73-7 | Fluorene | 0.28 | | 0.02 | 0.1 | 0.1 | ug/L |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 0.3 | | 0.14 | 0.2 | 0.2 | ug/L |
| 101-55-3 | 4-Bromophenyl-phenylether | 0.32 | | 0.03 | 0.1 | 0.1 | ug/L |
| 118-74-1 | Hexachlorobenzene | 0.34 | | 0.03 | 0.1 | 0.1 | ug/L |
| 1912-24-9 | Atrazine | 0.32 | | 0.02 | 0.1 | 0.1 | ug/L |
| 87-86-5 | Pentachlorophenol | 0.69 | | 0.09 | 0.2 | 0.2 | ug/L |
| 85-01-8 | Phenanthrene | 0.34 | | 0.02 | 0.1 | 0.1 | ug/L |
| 120-12-7 | Anthracene | 0.33 | | 0.02 | 0.1 | 0.1 | ug/L |
| 206-44-0 | Fluoranthene | 0.34 | | 0.02 | 0.1 | 0.1 | ug/L |
| 129-00-0 | Pyrene | 0.35 | | 0.02 | 0.1 | 0.1 | ug/L |
| 56-55-3 | Benzo(a)anthracene | 0.37 | | 0.02 | 0.1 | 0.1 | ug/L |
| 218-01-9 | Chrysene | 0.38 | | 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 | 0.37 | | 0.03 | 0.1 | 0.1 | ug/L |
| 207-08-9 | Benzo(k)fluoranthene | 0.41 | | 0.03 | 0.1 | 0.1 | ug/L |
| 50-32-8 | Benzo(a)pyrene | 0.39 | | 0.06 | 0.1 | 0.1 | ug/L |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 0.44 | | 0.04 | 0.1 | 0.1 | ug/L |
| 53-70-3 | Dibenzo(a,h)anthracene | 0.44 | | 0.04 | 0.1 | 0.1 | ug/L |
| 191-24-2 | Benzo(g,h,i)perylene | 0.4 | | 0.04 | 0.1 | 0.1 | ug/L |
| 123-91-1 | 1,4-Dioxane | 0.98 | | 0.07 | 0.2 | 0.2 | ug/L |

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# Report of Analysis

| | | | | | |
|---|---|---|---|---|---|
| Client: | | | | Date Collected: | 6/21/2024 12:00:00 AM |
| Project: | | | | Date Received: | 6/21/2024 12:00:00 AM |
| Client Sample ID: | GWBR-05-187-208-062124MS | | | SDG No.: | BN062524 |
| Lab Sample ID: | P3034-02MS | | | 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 |
|---|---|---|---|---|
| BN032253.D | 1 | 6/24/2024 12:00:00 AM | 6/25/2024 12:00:00 AM | PB161660 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **SURROGATES** | | | | | | | |
| 7297-45-2 | 2-Methylnaphthalene-d10 | 0.358 | | 30-150 | | 90 | SPK: -0.4 |
| 93951-69-0 | Fluoranthene-d10 | 0.335 | | 30-150 | | 84 | SPK: -0.4 |
| 367-12-4 | 2-Fluorophenol | 0.14 | | 10-92 | | 35 | SPK: -0.4 |
| 13127-88-3 | Phenol-d6 | 0.067 | | 10-100 | | 17 | SPK: -0.4 |
| 4165-60-0 | Nitrobenzene-d5 | 0.277 | | 11-175 | | 69 | SPK: -0.4 |
| 321-60-8 | 2-Fluorobiphenyl | 0.307 | | 10-175 | | 77 | SPK: -0.4 |
| 118-79-6 | 2,4,6-Tribromophenol | 0.307 | | 24-148 | | 77 | SPK: -0.4 |
| 1718-51-0 | Terphenyl-d14 | 0.321 | | 54-171 | | 80 | SPK: -0.4 |
| **INTERNAL STANDARDS** | | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 8568 | 7.632 | | | | |
| 1146-65-2 | Naphthalene-d8 | 24654 | 10.41 | | | | |
| 15067-26-2 | Acenaphthene-d10 | 13630 | 14.274 | | | | |
| 1517-22-2 | Phenanthrene-d10 | 26963 | 17.029 | | | | |
| 1719-03-5 | Chrysene-d12 | 23455 | 21.229 | | | | |
| 1520-96-3 | Perylene-d12 | 26449 | 23.452 | | | | |

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | | Date Collected: | 6/21/2024 12:00:00 AM |
| Project: | | Date Received: | 6/21/2024 12:00:00 AM |
| Client Sample ID: | GWBR-05-187-208-062124MSD | SDG No.: | BN062524 |
| Lab Sample ID: | P3034-03MSD | Matrix: | Water |
| Analytical Method: | 8270-Modified | % Moisture: | 100 |
| Sample Wt/Vol: | 98 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 |
|---|---|---|---|---|
| BN032254.D | 1 | 6/24/2024 12:00:00 AM | 6/26/2024 12:00:00 AM | PB161660 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 62-75-9 | n-Nitrosodimethylamine | 1.1 | J | 0.31 | 2 | 2 | ug/L |
| 111-44-4 | bis(2-Chloroethyl)ether | 2.5 | | 0.29 | 1 | 1 | ug/L |
| 91-20-3 | Naphthalene | 2.9 | | 0.24 | 1 | 1 | ug/L |
| 87-68-3 | Hexachlorobutadiene | 3.1 | | 0.27 | 1 | 1 | ug/L |
| 91-57-6 | 2-Methylnaphthalene | 2.8 | | 0.31 | 1 | 1 | ug/L |
| 208-96-8 | Acenaphthylene | 3 | | 0.21 | 1 | 1 | ug/L |
| 83-32-9 | Acenaphthene | 2.9 | | 0.2 | 1 | 1 | ug/L |
| Total PAH | Total PAH | 58 | | 4.63 | 1 | 16 | ug/L |
| 86-73-7 | Fluorene | 2.8 | | 0.18 | 1 | 1 | ug/L |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 3.1 | | 1.4 | 2 | 2 | ug/L |
| 101-55-3 | 4-Bromophenyl-phenylether | 3.2 | | 0.27 | 1 | 1 | ug/L |
| 118-74-1 | Hexachlorobenzene | 3.5 | | 0.3 | 1 | 1 | ug/L |
| 1912-24-9 | Atrazine | 3.2 | | 0.23 | 1 | 1 | ug/L |
| 87-86-5 | Pentachlorophenol | 7.2 | | 0.92 | 2 | 2 | ug/L |
| 85-01-8 | Phenanthrene | 3.5 | | 0.2 | 1 | 1 | ug/L |
| 120-12-7 | Anthracene | 3.4 | | 0.24 | 1 | 1 | ug/L |
| 206-44-0 | Fluoranthene | 3.6 | | 0.23 | 1 | 1 | ug/L |
| 129-00-0 | Pyrene | 3.5 | | 0.22 | 1 | 1 | ug/L |
| 56-55-3 | Benzo(a)anthracene | 3.8 | | 0.22 | 1 | 1 | ug/L |
| 218-01-9 | Chrysene | 3.9 | | 0.27 | 1 | 1 | ug/L |
| 117-81-7 | Bis(2-ethylhexyl)phthalate | 3.9 | | 1.4 | 2 | 2 | ug/L |
| 205-99-2 | Benzo(b)fluoranthene | 3.8 | | 0.33 | 1 | 1 | ug/L |
| 207-08-9 | Benzo(k)fluoranthene | 4.1 | | 0.35 | 1 | 1 | ug/L |
| 50-32-8 | Benzo(a)pyrene | 3.9 | | 0.57 | 1 | 1 | ug/L |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 4.4 | | 0.39 | 1 | 1 | ug/L |
| 53-70-3 | Dibenzo(a,h)anthracene | 4.4 | | 0.4 | 1 | 1 | ug/L |
| 191-24-2 | Benzo(g,h,i)perylene | 4.1 | | 0.38 | 1 | 1 | ug/L |
| 123-91-1 | 1,4-Dioxane | 9.9 | | 0.69 | 2 | 2 | ug/L |

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# Report of Analysis

| | | | | | |
|---|---|---|---|---|---|
| Client: | | | | Date Collected: | 6/21/2024 12:00:00 AM |
| Project: | | | | Date Received: | 6/21/2024 12:00:00 AM |
| Client Sample ID: | GWBR-05-187-208-062124MSD | | | SDG No.: | BN062524 |
| Lab Sample ID: | P3034-03MSD | | | Matrix: | Water |
| Analytical Method: | 8270-Modified | | | % Moisture: | 100 |
| Sample Wt/Vol: | 98 | 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 |
|---|---|---|---|---|
| BN032254.D | 1 | 6/24/2024 12:00:00 AM | 6/26/2024 12:00:00 AM | PB161660 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **SURROGATES** | | | | | | | |
| 7297-45-2 | 2-Methylnaphthalene-d10 | 0.345 | | 30-150 | | 86 | SPK: -0.4 |
| 93951-69-0 | Fluoranthene-d10 | 0.354 | | 30-150 | | 88 | SPK: -0.4 |
| 367-12-4 | 2-Fluorophenol | 0.139 | | 10-92 | | 35 | SPK: -0.4 |
| 13127-88-3 | Phenol-d6 | 0.066 | | 10-100 | | 16 | SPK: -0.4 |
| 4165-60-0 | Nitrobenzene-d5 | 0.279 | | 11-175 | | 70 | SPK: -0.4 |
| 321-60-8 | 2-Fluorobiphenyl | 0.307 | | 10-175 | | 77 | SPK: -0.4 |
| 118-79-6 | 2,4,6-Tribromophenol | 0.314 | | 24-148 | | 79 | SPK: -0.4 |
| 1718-51-0 | Terphenyl-d14 | 0.32 | | 54-171 | | 80 | SPK: -0.4 |
| **INTERNAL STANDARDS** | | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 7854 | 7.631 | | | | |
| 1146-65-2 | Naphthalene-d8 | 22634 | 10.41 | | | | |
| 15067-26-2 | Acenaphthene-d10 | 12604 | 14.274 | | | | |
| 1517-22-2 | Phenanthrene-d10 | 25131 | 17.028 | | | | |
| 1719-03-5 | Chrysene-d12 | 23291 | 21.229 | | | | |
| 1520-96-3 | Perylene-d12 | 26277 | 23.452 | | | | |

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Fax : 908 789 8922

# Report of Analysis

| | | | | | |
|---|---|---|---|---|---|
| Client: | | | | Date Collected: | 6/21/2024 12:00:00 AM |
| Project: | | | | Date Received: | 6/21/2024 12:00:00 AM |
| Client Sample ID: | EB-01-062124 | | | SDG No.: | BN062524 |
| Lab Sample ID: | P3034-04 | | | 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 |
|---|---|---|---|---|
| BN032255.D | 1 | 6/24/2024 12:00:00 AM | 6/26/2024 12:00:00 AM | PB161660 |

| 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 | 0.02 | U | 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 | 0.02 | 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 | 0.03 | U | 0.03 | 0.11 | 0.11 | ug/L |
| 129-00-0 | Pyrene | 0.03 | U | 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 | J | 0.03 | 0.11 | 0.11 | ug/L |
| 117-81-7 | Bis(2-ethylhexyl)phthalate | 0.23 | | 0.16 | 0.23 | 0.23 | ug/L |
| 205-99-2 | Benzo(b)fluoranthene | 0.04 | J | 0.04 | 0.11 | 0.11 | ug/L |
| 207-08-9 | Benzo(k)fluoranthene | 0.04 | J | 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 | 0.08 | U | 0.08 | 0.23 | 0.23 | ug/L |

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# Report of Analysis

| | | | | | |
|---|---|---|---|---|---|
| Client: | | | | Date Collected: | 6/21/2024 12:00:00 AM |
| Project: | | | | Date Received: | 6/21/2024 12:00:00 AM |
| Client Sample ID: | EB-01-062124 | | | SDG No.: | BN062524 |
| Lab Sample ID: | P3034-04 | | | 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 |
|---|---|---|---|---|
| BN032255.D | 1 | 6/24/2024 12:00:00 AM | 6/26/2024 12:00:00 AM | PB161660 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **SURROGATES** | | | | | | | |
| 7297-45-2 | 2-Methylnaphthalene-d10 | 0.268 | | 30-150 | | 67 | SPK: -0.4 |
| 93951-69-0 | Fluoranthene-d10 | 0.365 | | 30-150 | | 91 | SPK: -0.4 |
| 367-12-4 | 2-Fluorophenol | 0.141 | | 10-92 | | 35 | SPK: -0.4 |
| 13127-88-3 | Phenol-d6 | 0.06 | | 10-100 | | 15 | SPK: -0.4 |
| 4165-60-0 | Nitrobenzene-d5 | 0.258 | | 11-175 | | 64 | SPK: -0.4 |
| 321-60-8 | 2-Fluorobiphenyl | 0.285 | | 10-175 | | 71 | SPK: -0.4 |
| 118-79-6 | 2,4,6-Tribromophenol | 0.317 | | 24-148 | | 79 | SPK: -0.4 |
| 1718-51-0 | Terphenyl-d14 | 0.329 | | 54-171 | | 82 | SPK: -0.4 |
| **INTERNAL STANDARDS** | | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 6917 | 7.632 | | | | |
| 1146-65-2 | Naphthalene-d8 | 20258 | 10.41 | | | | |
| 15067-26-2 | Acenaphthene-d10 | 12374 | 14.274 | | | | |
| 1517-22-2 | Phenanthrene-d10 | 26823 | 17.029 | | | | |
| 1719-03-5 | Chrysene-d12 | 25338 | 21.229 | | | | |
| 1520-96-3 | Perylene-d12 | 27525 | 23.449 | | | | |

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# Report of Analysis

| | | | | | |
|---|---|---|---|---|---|
| Client: | | | | Date Collected: | 6/14/2024 12:00:00 AM |
| Project: | | | | Date Received: | 6/14/2024 12:00:00 AM |
| Client Sample ID: | PB161510BS | | | SDG No.: | BN062524 |
| Lab Sample ID: | PB161510BS | | | 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 |
|---|---|---|---|---|
| BN032256.D | 1 | 6/14/2024 12:00:00 AM | 6/26/2024 12:00:00 AM | PB161510 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 62-75-9 | n-Nitrosodimethylamine | 0.32 | | 0.03 | 0.2 | 0.2 | ug/L |
| 111-44-4 | bis(2-Chloroethyl)ether | 0.28 | | 0.03 | 0.1 | 0.1 | ug/L |
| 91-20-3 | Naphthalene | 0.36 | | 0.02 | 0.1 | 0.1 | ug/L |
| 87-68-3 | Hexachlorobutadiene | 0.43 | | 0.03 | 0.1 | 0.1 | ug/L |
| 91-57-6 | 2-Methylnaphthalene | 0.35 | | 0.03 | 0.1 | 0.1 | ug/L |
| 208-96-8 | Acenaphthylene | 0.34 | | 0.02 | 0.1 | 0.1 | ug/L |
| 83-32-9 | Acenaphthene | 0.36 | | 0.02 | 0.1 | 0.1 | ug/L |
| Total PAH | Total PAH | 5.93 | | 0.45 | 0.1 | 1.6 | ug/L |
| 86-73-7 | Fluorene | 0.33 | | 0.02 | 0.1 | 0.1 | ug/L |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 0.31 | | 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 | 0.41 | | 0.03 | 0.1 | 0.1 | ug/L |
| 1912-24-9 | Atrazine | 0.32 | | 0.02 | 0.1 | 0.1 | ug/L |
| 87-86-5 | Pentachlorophenol | 0.38 | | 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 | 0.35 | | 0.02 | 0.1 | 0.1 | ug/L |
| 206-44-0 | Fluoranthene | 0.35 | | 0.02 | 0.1 | 0.1 | ug/L |
| 129-00-0 | Pyrene | 0.37 | | 0.02 | 0.1 | 0.1 | ug/L |
| 56-55-3 | Benzo(a)anthracene | 0.36 | | 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 | 0.34 | | 0.14 | 0.2 | 0.2 | ug/L |
| 205-99-2 | Benzo(b)fluoranthene | 0.37 | | 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 | 0.41 | | 0.04 | 0.1 | 0.1 | ug/L |
| 53-70-3 | Dibenzo(a,h)anthracene | 0.42 | | 0.04 | 0.1 | 0.1 | ug/L |
| 191-24-2 | Benzo(g,h,i)perylene | 0.41 | | 0.04 | 0.1 | 0.1 | ug/L |
| 123-91-1 | 1,4-Dioxane | 0.35 | | 0.07 | 0.2 | 0.2 | ug/L |

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# Report of Analysis

| | | | | | |
|---|---|---|---|---|---|
| Client: | | | | Date Collected: | 6/14/2024 12:00:00 AM |
| Project: | | | | Date Received: | 6/14/2024 12:00:00 AM |
| Client Sample ID: | PB161510BS | | | SDG No.: | BN062524 |
| Lab Sample ID: | PB161510BS | | | 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 |
|---|---|---|---|---|
| BN032256.D | 1 | 6/14/2024 12:00:00 AM | 6/26/2024 12:00:00 AM | PB161510 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **SURROGATES** | | | | | | | |
| 7297-45-2 | 2-Methylnaphthalene-d10 | 0.338 | | 30-150 | | 84 | SPK: -0.4 |
| 93951-69-0 | Fluoranthene-d10 | 0.342 | | 30-150 | | 86 | SPK: -0.4 |
| 367-12-4 | 2-Fluorophenol | 0.347 | | 10-92 | | 87 | SPK: -0.4 |
| 13127-88-3 | Phenol-d6 | 0.309 | | 10-100 | | 77 | SPK: -0.4 |
| 4165-60-0 | Nitrobenzene-d5 | 0.349 | | 11-175 | | 87 | SPK: -0.4 |
| 321-60-8 | 2-Fluorobiphenyl | 0.371 | | 10-175 | | 93 | SPK: -0.4 |
| 118-79-6 | 2,4,6-Tribromophenol | 0.332 | | 24-148 | | 83 | SPK: -0.4 |
| 1718-51-0 | Terphenyl-d14 | 0.339 | | 54-171 | | 85 | SPK: -0.4 |
| **INTERNAL STANDARDS** | | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 9056 | 7.632 | | | | |
| 1146-65-2 | Naphthalene-d8 | 26316 | 10.411 | | | | |
| 15067-26-2 | Acenaphthene-d10 | 15071 | 14.274 | | | | |
| 1517-22-2 | Phenanthrene-d10 | 30582 | 17.029 | | | | |
| 1719-03-5 | Chrysene-d12 | 25660 | 21.229 | | | | |
| 1520-96-3 | Perylene-d12 | 28291 | 23.452 | | | | |

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# Report of Analysis

| | | | | | |
|---|---|---|---|---|---|
| Client: | | | | Date Collected: | 6/25/2024 12:00:00 AM |
| Project: | | | | Date Received: | 6/25/2024 12:00:00 AM |
| Client Sample ID: | PB161693BS | | | SDG No.: | BN062524 |
| Lab Sample ID: | PB161693BS | | | 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 |
|---|---|---|---|---|
| BN032257.D | 1 | 6/25/2024 12:00:00 AM | 6/26/2024 12:00:00 AM | PB161693 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 62-75-9 | n-Nitrosodimethylamine | 0.33 | | 0.03 | 0.2 | 0.2 | ug/L |
| 111-44-4 | bis(2-Chloroethyl)ether | 0.29 | | 0.03 | 0.1 | 0.1 | ug/L |
| 91-20-3 | Naphthalene | 0.36 | | 0.02 | 0.1 | 0.1 | ug/L |
| 87-68-3 | Hexachlorobutadiene | 0.43 | | 0.03 | 0.1 | 0.1 | ug/L |
| 91-57-6 | 2-Methylnaphthalene | 0.35 | | 0.03 | 0.1 | 0.1 | ug/L |
| 208-96-8 | Acenaphthylene | 0.33 | | 0.02 | 0.1 | 0.1 | ug/L |
| Total PAH | Total PAH | 5.97 | | 0.45 | 0.1 | 1.6 | ug/L |
| 83-32-9 | Acenaphthene | 0.36 | | 0.02 | 0.1 | 0.1 | ug/L |
| 86-73-7 | Fluorene | 0.34 | | 0.02 | 0.1 | 0.1 | ug/L |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 0.32 | | 0.14 | 0.2 | 0.2 | ug/L |
| 101-55-3 | 4-Bromophenyl-phenylether | 0.38 | | 0.03 | 0.1 | 0.1 | ug/L |
| 118-74-1 | Hexachlorobenzene | 0.41 | | 0.03 | 0.1 | 0.1 | ug/L |
| 1912-24-9 | Atrazine | 0.33 | | 0.02 | 0.1 | 0.1 | ug/L |
| 87-86-5 | Pentachlorophenol | 0.4 | | 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 | 0.35 | | 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 | 0.38 | | 0.02 | 0.1 | 0.1 | ug/L |
| 56-55-3 | Benzo(a)anthracene | 0.36 | | 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 | 0.36 | | 0.14 | 0.2 | 0.2 | ug/L |
| 205-99-2 | Benzo(b)fluoranthene | 0.38 | | 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 | 0.38 | | 0.06 | 0.1 | 0.1 | ug/L |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 0.41 | | 0.04 | 0.1 | 0.1 | ug/L |
| 53-70-3 | Dibenzo(a,h)anthracene | 0.42 | | 0.04 | 0.1 | 0.1 | ug/L |
| 191-24-2 | Benzo(g,h,i)perylene | 0.41 | | 0.04 | 0.1 | 0.1 | ug/L |
| 123-91-1 | 1,4-Dioxane | 0.36 | | 0.07 | 0.2 | 0.2 | ug/L |

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# Report of Analysis

| | | | | | |
|---|---|---|---|---|---|
| Client: | | | | Date Collected: | 6/25/2024 12:00:00 AM |
| Project: | | | | Date Received: | 6/25/2024 12:00:00 AM |
| Client Sample ID: | PB161693BS | | | SDG No.: | BN062524 |
| Lab Sample ID: | PB161693BS | | | 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 |
|---|---|---|---|---|
| BN032257.D | 1 | 6/25/2024 12:00:00 AM | 6/26/2024 12:00:00 AM | PB161693 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **SURROGATES** | | | | | | | |
| 7297-45-2 | 2-Methylnaphthalene-d10 | 0.342 | | 30-150 | | 86 | SPK: -0.4 |
| 93951-69-0 | Fluoranthene-d10 | 0.344 | | 30-150 | | 86 | SPK: -0.4 |
| 367-12-4 | 2-Fluorophenol | 0.353 | | 10-92 | | 88 | SPK: -0.4 |
| 13127-88-3 | Phenol-d6 | 0.317 | | 10-100 | | 79 | SPK: -0.4 |
| 4165-60-0 | Nitrobenzene-d5 | 0.348 | | 11-175 | | 87 | SPK: -0.4 |
| 321-60-8 | 2-Fluorobiphenyl | 0.369 | | 10-175 | | 92 | SPK: -0.4 |
| 118-79-6 | 2,4,6-Tribromophenol | 0.351 | | 24-148 | | 88 | SPK: -0.4 |
| 1718-51-0 | Terphenyl-d14 | 0.348 | | 54-171 | | 87 | SPK: -0.4 |
| **INTERNAL STANDARDS** | | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 8809 | 7.632 | | | | |
| 1146-65-2 | Naphthalene-d8 | 25858 | 10.41 | | | | |
| 15067-26-2 | Acenaphthene-d10 | 15387 | 14.274 | | | | |
| 1517-22-2 | Phenanthrene-d10 | 32505 | 17.029 | | | | |
| 1719-03-5 | Chrysene-d12 | 26812 | 21.229 | | | | |
| 1520-96-3 | Perylene-d12 | 28523 | 23.449 | | | | |

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# Report of Analysis

| | | | | | |
|---|---|---|---|---|---|
| Client: | | | | Date Collected: | 6/25/2024 12:00:00 AM |
| Project: | | | | Date Received: | 6/25/2024 12:00:00 AM |
| Client Sample ID: | PB161693BSD | | | SDG No.: | BN062524 |
| Lab Sample ID: | PB161693BSD | | | 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 |
|---|---|---|---|---|
| BN032258.D | 1 | 6/25/2024 12:00:00 AM | 6/26/2024 12:00:00 AM | PB161693 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 62-75-9 | n-Nitrosodimethylamine | 0.33 | | 0.03 | 0.2 | 0.2 | ug/L |
| 111-44-4 | bis(2-Chloroethyl)ether | 0.28 | | 0.03 | 0.1 | 0.1 | ug/L |
| 91-20-3 | Naphthalene | 0.37 | | 0.02 | 0.1 | 0.1 | ug/L |
| 87-68-3 | Hexachlorobutadiene | 0.42 | | 0.03 | 0.1 | 0.1 | ug/L |
| 91-57-6 | 2-Methylnaphthalene | 0.34 | | 0.03 | 0.1 | 0.1 | ug/L |
| 208-96-8 | Acenaphthylene | 0.33 | | 0.02 | 0.1 | 0.1 | ug/L |
| 83-32-9 | Acenaphthene | 0.35 | | 0.02 | 0.1 | 0.1 | ug/L |
| Total PAH | Total PAH | 5.93 | | 0.45 | 0.1 | 1.6 | ug/L |
| 86-73-7 | Fluorene | 0.34 | | 0.02 | 0.1 | 0.1 | ug/L |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 0.32 | | 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 | 0.41 | | 0.03 | 0.1 | 0.1 | ug/L |
| 1912-24-9 | Atrazine | 0.31 | | 0.02 | 0.1 | 0.1 | ug/L |
| 87-86-5 | Pentachlorophenol | 0.39 | | 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 | 0.35 | | 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 | 0.35 | | 0.02 | 0.1 | 0.1 | ug/L |
| 56-55-3 | Benzo(a)anthracene | 0.36 | | 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 | 0.32 | | 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 | 0.4 | | 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 | 0.41 | | 0.04 | 0.1 | 0.1 | ug/L |
| 53-70-3 | Dibenzo(a,h)anthracene | 0.42 | | 0.04 | 0.1 | 0.1 | ug/L |
| 191-24-2 | Benzo(g,h,i)perylene | 0.41 | | 0.04 | 0.1 | 0.1 | ug/L |
| 123-91-1 | 1,4-Dioxane | 0.36 | | 0.07 | 0.2 | 0.2 | ug/L |

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Fax : 908 789 8922

# Report of Analysis

| | | | | | |
|---|---|---|---|---|---|
| Client: | | | | Date Collected: | 6/25/2024 12:00:00 AM |
| Project: | | | | Date Received: | 6/25/2024 12:00:00 AM |
| Client Sample ID: | PB161693BSD | | | SDG No.: | BN062524 |
| Lab Sample ID: | PB161693BSD | | | 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 |
|---|---|---|---|---|
| BN032258.D | 1 | 6/25/2024 12:00:00 AM | 6/26/2024 12:00:00 AM | PB161693 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **SURROGATES** | | | | | | | |
| 7297-45-2 | 2-Methylnaphthalene-d10 | 0.336 | | 30-150 | | 84 | SPK: -0.4 |
| 93951-69-0 | Fluoranthene-d10 | 0.357 | | 30-150 | | 89 | SPK: -0.4 |
| 367-12-4 | 2-Fluorophenol | 0.355 | | 10-92 | | 89 | SPK: -0.4 |
| 13127-88-3 | Phenol-d6 | 0.311 | | 10-100 | | 78 | SPK: -0.4 |
| 4165-60-0 | Nitrobenzene-d5 | 0.346 | | 11-175 | | 86 | SPK: -0.4 |
| 321-60-8 | 2-Fluorobiphenyl | 0.368 | | 10-175 | | 92 | SPK: -0.4 |
| 118-79-6 | 2,4,6-Tribromophenol | 0.345 | | 24-148 | | 86 | SPK: -0.4 |
| 1718-51-0 | Terphenyl-d14 | 0.326 | | 54-171 | | 81 | SPK: -0.4 |
| **INTERNAL STANDARDS** | | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 8379 | 7.631 | | | | |
| 1146-65-2 | Naphthalene-d8 | 24037 | 10.41 | | | | |
| 15067-26-2 | Acenaphthene-d10 | 13924 | 14.274 | | | | |
| 1517-22-2 | Phenanthrene-d10 | 29090 | 17.028 | | | | |
| 1719-03-5 | Chrysene-d12 | 26811 | 21.229 | | | | |
| 1520-96-3 | Perylene-d12 | 29741 | 23.452 | | | | |

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | | Date Collected: | 6/24/2024 12:00:00 AM |
| Project: | | Date Received: | 6/24/2024 12:00:00 AM |
| Client Sample ID: | GWBR-05-257-278-062424 | SDG No.: | BN062524 |
| Lab Sample ID: | P3054-01 | 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 |
|---|---|---|---|---|
| BN032259.D | 1 | 6/25/2024 12:00:00 AM | 6/26/2024 12:00:00 AM | PB161693 |

| 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 | J | 0.03 | 0.1 | 0.1 | ug/L |
| 207-08-9 | Benzo(k)fluoranthene | 0.03 | J | 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 | 0.26 | | 0.07 | 0.2 | 0.2 | ug/L |

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# Report of Analysis

| | | | | | |
|---|---|---|---|---|---|
| Client: | | | | Date Collected: | 6/24/2024 12:00:00 AM |
| Project: | | | | Date Received: | 6/24/2024 12:00:00 AM |
| Client Sample ID: | GWBR-05-257-278-062424 | | | SDG No.: | BN062524 |
| Lab Sample ID: | P3054-01 | | | 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 |
|---|---|---|---|---|
| BN032259.D | 1 | 6/25/2024 12:00:00 AM | 6/26/2024 12:00:00 AM | PB161693 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **SURROGATES** | | | | | | | |
| 7297-45-2 | 2-Methylnaphthalene-d10 | 0.239 | | 30-150 | | 60 | SPK: -0.4 |
| 93951-69-0 | Fluoranthene-d10 | 0.311 | | 30-150 | | 78 | SPK: -0.4 |
| 367-12-4 | 2-Fluorophenol | 0.159 | | 10-92 | | 40 | SPK: -0.4 |
| 13127-88-3 | Phenol-d6 | 0.073 | | 10-100 | | 18 | SPK: -0.4 |
| 4165-60-0 | Nitrobenzene-d5 | 0.235 | | 11-175 | | 59 | SPK: -0.4 |
| 321-60-8 | 2-Fluorobiphenyl | 0.295 | | 10-175 | | 74 | SPK: -0.4 |
| 118-79-6 | 2,4,6-Tribromophenol | 0.296 | | 24-148 | | 74 | SPK: -0.4 |
| 1718-51-0 | Terphenyl-d14 | 0.359 | | 54-171 | | 90 | SPK: -0.4 |
| **INTERNAL STANDARDS** | | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 8158 | 7.631 | | | | |
| 1146-65-2 | Naphthalene-d8 | 23490 | 10.41 | | | | |
| 15067-26-2 | Acenaphthene-d10 | 14097 | 14.274 | | | | |
| 1517-22-2 | Phenanthrene-d10 | 29692 | 17.028 | | | | |
| 1719-03-5 | Chrysene-d12 | 26351 | 21.228 | | | | |
| 1520-96-3 | Perylene-d12 | 29046 | 23.449 | | | | |

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | | Date Collected: | 6/24/2024 12:00:00 AM |
| Project: | | Date Received: | 6/24/2024 12:00:00 AM |
| Client Sample ID: | GWBR-05-257-278-062424-FD | SDG No.: | BN062524 |
| Lab Sample ID: | P3054-02 | 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 |
|---|---|---|---|---|
| BN032260.D | 1 | 6/25/2024 12:00:00 AM | 6/26/2024 12:00:00 AM | PB161693 |

| 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 | J | 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 | J | 0.02 | 0.1 | 0.1 | ug/L |
| 129-00-0 | Pyrene | 0.02 | J | 0.02 | 0.1 | 0.1 | ug/L |
| 56-55-3 | Benzo(a)anthracene | 0.03 | J | 0.02 | 0.1 | 0.1 | ug/L |
| 218-01-9 | Chrysene | 0.03 | 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 | 0.04 | J | 0.03 | 0.1 | 0.1 | ug/L |
| 207-08-9 | Benzo(k)fluoranthene | 0.04 | J | 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 | J | 0.04 | 0.1 | 0.1 | ug/L |
| 191-24-2 | Benzo(g,h,i)perylene | 0.04 | J | 0.04 | 0.1 | 0.1 | ug/L |
| 123-91-1 | 1,4-Dioxane | 0.25 | | 0.07 | 0.2 | 0.2 | ug/L |

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | | Date Collected: | 6/24/2024 12:00:00 AM |
| Project: | | Date Received: | 6/24/2024 12:00:00 AM |
| Client Sample ID: | GWBR-05-257-278-062424-FD | SDG No.: | BN062524 |
| Lab Sample ID: | P3054-02 | 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 |
|---|---|---|---|---|
| BN032260.D | 1 | 6/25/2024 12:00:00 AM | 6/26/2024 12:00:00 AM | PB161693 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **SURROGATES** | | | | | | | |
| 7297-45-2 | 2-Methylnaphthalene-d10 | 0.268 | | 30-150 | | 67 | SPK: -0.4 |
| 93951-69-0 | Fluoranthene-d10 | 0.311 | | 30-150 | | 78 | SPK: -0.4 |
| 367-12-4 | 2-Fluorophenol | 0.178 | | 10-92 | | 44 | SPK: -0.4 |
| 13127-88-3 | Phenol-d6 | 0.088 | | 10-100 | | 22 | SPK: -0.4 |
| 4165-60-0 | Nitrobenzene-d5 | 0.273 | | 11-175 | | 68 | SPK: -0.4 |
| 321-60-8 | 2-Fluorobiphenyl | 0.344 | | 10-175 | | 86 | SPK: -0.4 |
| 118-79-6 | 2,4,6-Tribromophenol | 0.308 | | 24-148 | | 77 | SPK: -0.4 |
| 1718-51-0 | Terphenyl-d14 | 0.346 | | 54-171 | | 86 | SPK: -0.4 |
| **INTERNAL STANDARDS** | | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 10036 | 7.632 | | | | |
| 1146-65-2 | Naphthalene-d8 | 28701 | 10.41 | | | | |
| 15067-26-2 | Acenaphthene-d10 | 16590 | 14.274 | | | | |
| 1517-22-2 | Phenanthrene-d10 | 34854 | 17.029 | | | | |
| 1719-03-5 | Chrysene-d12 | 30046 | 21.229 | | | | |
| 1520-96-3 | Perylene-d12 | 33018 | 23.449 | | | | |

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | | Date Collected: | 6/24/2024 12:00:00 AM |
| Project: | | Date Received: | 6/24/2024 12:00:00 AM |
| Client Sample ID: | GWBR-05-281-302-062424 | SDG No.: | BN062524 |
| Lab Sample ID: | P3054-04 | 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 |
|---|---|---|---|---|
| BN032261.D | 1 | 6/25/2024 12:00:00 AM | 6/26/2024 12:00:00 AM | PB161693 |

| 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 | 0.03 | 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 | 0.04 | J | 0.03 | 0.1 | 0.1 | ug/L |
| 207-08-9 | Benzo(k)fluoranthene | 0.04 | J | 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 | 0.15 | J | 0.07 | 0.2 | 0.2 | ug/L |

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# Report of Analysis

| | | | | | |
|---|---|---|---|---|---|
| Client: | | | | Date Collected: | 6/24/2024 12:00:00 AM |
| Project: | | | | Date Received: | 6/24/2024 12:00:00 AM |
| Client Sample ID: | GWBR-05-281-302-062424 | | | SDG No.: | BN062524 |
| Lab Sample ID: | P3054-04 | | | 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 |
|---|---|---|---|---|
| BN032261.D | 1 | 6/25/2024 12:00:00 AM | 6/26/2024 12:00:00 AM | PB161693 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **SURROGATES** | | | | | | | |
| 7297-45-2 | 2-Methylnaphthalene-d10 | 0.284 | | 30-150 | | 71 | SPK: -0.4 |
| 93951-69-0 | Fluoranthene-d10 | 0.327 | | 30-150 | | 82 | SPK: -0.4 |
| 367-12-4 | 2-Fluorophenol | 0.179 | | 10-92 | | 45 | SPK: -0.4 |
| 13127-88-3 | Phenol-d6 | 0.074 | | 10-100 | | 19 | SPK: -0.4 |
| 4165-60-0 | Nitrobenzene-d5 | 0.273 | | 11-175 | | 68 | SPK: -0.4 |
| 321-60-8 | 2-Fluorobiphenyl | 0.355 | | 10-175 | | 89 | SPK: -0.4 |
| 118-79-6 | 2,4,6-Tribromophenol | 0.302 | | 24-148 | | 75 | SPK: -0.4 |
| 1718-51-0 | Terphenyl-d14 | 0.36 | | 54-171 | | 90 | SPK: -0.4 |
| **INTERNAL STANDARDS** | | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 7642 | 7.632 | | | | |
| 1146-65-2 | Naphthalene-d8 | 22146 | 10.41 | | | | |
| 15067-26-2 | Acenaphthene-d10 | 13064 | 14.274 | | | | |
| 1517-22-2 | Phenanthrene-d10 | 27225 | 17.029 | | | | |
| 1719-03-5 | Chrysene-d12 | 23989 | 21.229 | | | | |
| 1520-96-3 | Perylene-d12 | 26224 | 23.452 | | | | |

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Fax : 908 789 8922

# Report of Analysis

| | | | | | |
|---|---|---|---|---|---|
| Client: | | | | Date Collected: | 6/20/2024 12:00:00 AM |
| Project: | | | | Date Received: | 6/20/2024 12:00:00 AM |
| Client Sample ID: | BP-VPB-196-GW-665-667 | | | SDG No.: | BN062524 |
| Lab Sample ID: | P3056-02 | | | Matrix: | Water |
| Analytical Method: | 8270-Modified | | | % Moisture: | 100 |
| Sample Wt/Vol: | 900 | 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 |
|---|---|---|---|---|
| BN032262.D | 1 | 6/25/2024 12:00:00 AM | 6/26/2024 12:00:00 AM | PB161693 |

| 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 |
| Total PAH | Total PAH | 0.5 | U | 0.5 | 0.11 | 1.76 | ug/L |
| 83-32-9 | Acenaphthene | 0.02 | U | 0.02 | 0.11 | 0.11 | 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 | 0.16 | U | 0.16 | 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 | 0.03 | U | 0.03 | 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 | 0.03 | U | 0.03 | 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 | 0.16 | U | 0.16 | 0.22 | 0.22 | 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 | 0.08 | U | 0.08 | 0.22 | 0.22 | ug/L |

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# Report of Analysis

| | | | | | |
|---|---|---|---|---|---|
| Client: | | | | Date Collected: | 6/20/2024 12:00:00 AM |
| Project: | | | | Date Received: | 6/20/2024 12:00:00 AM |
| Client Sample ID: | BP-VPB-196-GW-665-667 | | | SDG No.: | BN062524 |
| Lab Sample ID: | P3056-02 | | | Matrix: | Water |
| Analytical Method: | 8270-Modified | | | % Moisture: | 100 |
| Sample Wt/Vol: | 900 | 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 |
|---|---|---|---|---|
| BN032262.D | 1 | 6/25/2024 12:00:00 AM | 6/26/2024 12:00:00 AM | PB161693 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **SURROGATES** | | | | | | | |
| 7297-45-2 | 2-Methylnaphthalene-d10 | 0.164 | | 30-150 | | 41 | SPK: -0.4 |
| 93951-69-0 | Fluoranthene-d10 | 0.214 | | 30-150 | | 53 | SPK: -0.4 |
| 367-12-4 | 2-Fluorophenol | 0.151 | | 10-92 | | 38 | SPK: -0.4 |
| 13127-88-3 | Phenol-d6 | 0.075 | | 10-100 | | 19 | SPK: -0.4 |
| 4165-60-0 | Nitrobenzene-d5 | 0.167 | | 11-175 | | 42 | SPK: -0.4 |
| 321-60-8 | 2-Fluorobiphenyl | 0.187 | | 10-175 | | 47 | SPK: -0.4 |
| 118-79-6 | 2,4,6-Tribromophenol | 0.191 | | 24-148 | | 48 | SPK: -0.4 |
| 1718-51-0 | Terphenyl-d14 | 0.191 | * | 54-171 | | 48 | SPK: -0.4 |
| **INTERNAL STANDARDS** | | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 8194 | 7.632 | | | | |
| 1146-65-2 | Naphthalene-d8 | 24493 | 10.41 | | | | |
| 15067-26-2 | Acenaphthene-d10 | 14375 | 14.274 | | | | |
| 1517-22-2 | Phenanthrene-d10 | 30193 | 17.029 | | | | |
| 1719-03-5 | Chrysene-d12 | 28757 | 21.229 | | | | |
| 1520-96-3 | Perylene-d12 | 31565 | 23.449 | | | | |

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | | Date Collected: | 6/20/2024 12:00:00 AM |
| Project: | | Date Received: | 6/20/2024 12:00:00 AM |
| Client Sample ID: | BP-VPB-196-GW-680-682 | SDG No.: | BN062524 |
| Lab Sample ID: | P3056-04 | Matrix: | Water |
| Analytical Method: | 8270-Modified | % Moisture: | 100 |
| Sample Wt/Vol: | 790 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 |
|---|---|---|---|---|
| BN032263.D | 1 | 6/25/2024 12:00:00 AM | 6/26/2024 12:00:00 AM | PB161693 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | | |
| 62-75-9 | n-Nitrosodimethylamine | 0.04 | U | 0.04 | 0.25 | 0.25 | ug/L |
| 111-44-4 | bis(2-Chloroethyl)ether | 0.04 | U | 0.04 | 0.13 | 0.13 | ug/L |
| 91-20-3 | Naphthalene | 0.03 | U | 0.03 | 0.13 | 0.13 | ug/L |
| 87-68-3 | Hexachlorobutadiene | 0.03 | U | 0.03 | 0.13 | 0.13 | ug/L |
| 91-57-6 | 2-Methylnaphthalene | 0.04 | U | 0.04 | 0.13 | 0.13 | ug/L |
| 208-96-8 | Acenaphthylene | 0.03 | U | 0.03 | 0.13 | 0.13 | ug/L |
| 83-32-9 | Acenaphthene | 0.03 | U | 0.03 | 0.13 | 0.13 | ug/L |
| Total PAH | Total PAH | 0.59 | U | 0.59 | 0.13 | 2.08 | ug/L |
| 86-73-7 | Fluorene | 0.02 | U | 0.02 | 0.13 | 0.13 | ug/L |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 0.18 | U | 0.18 | 0.25 | 0.25 | ug/L |
| 101-55-3 | 4-Bromophenyl-phenylether | 0.03 | U | 0.03 | 0.13 | 0.13 | ug/L |
| 118-74-1 | Hexachlorobenzene | 0.04 | U | 0.04 | 0.13 | 0.13 | ug/L |
| 1912-24-9 | Atrazine | 0.03 | U | 0.03 | 0.13 | 0.13 | ug/L |
| 87-86-5 | Pentachlorophenol | 0.11 | U | 0.11 | 0.25 | 0.25 | ug/L |
| 85-01-8 | Phenanthrene | 0.03 | U | 0.03 | 0.13 | 0.13 | ug/L |
| 120-12-7 | Anthracene | 0.03 | U | 0.03 | 0.13 | 0.13 | ug/L |
| 206-44-0 | Fluoranthene | 0.03 | U | 0.03 | 0.13 | 0.13 | ug/L |
| 129-00-0 | Pyrene | 0.03 | U | 0.03 | 0.13 | 0.13 | ug/L |
| 56-55-3 | Benzo(a)anthracene | 0.03 | U | 0.03 | 0.13 | 0.13 | ug/L |
| 218-01-9 | Chrysene | 0.03 | U | 0.03 | 0.13 | 0.13 | ug/L |
| 117-81-7 | Bis(2-ethylhexyl)phthalate | 0.18 | U | 0.18 | 0.25 | 0.25 | ug/L |
| 205-99-2 | Benzo(b)fluoranthene | 0.1 | J | 0.04 | 0.13 | 0.13 | ug/L |
| 207-08-9 | Benzo(k)fluoranthene | 0.07 | J | 0.04 | 0.13 | 0.13 | ug/L |
| 50-32-8 | Benzo(a)pyrene | 0.07 | U | 0.07 | 0.13 | 0.13 | ug/L |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 0.06 | J | 0.05 | 0.13 | 0.13 | ug/L |
| 53-70-3 | Dibenzo(a,h)anthracene | 0.06 | J | 0.05 | 0.13 | 0.13 | ug/L |
| 191-24-2 | Benzo(g,h,i)perylene | 0.05 | U | 0.05 | 0.13 | 0.13 | ug/L |
| 123-91-1 | 1,4-Dioxane | 0.1 | J | 0.09 | 0.25 | 0.25 | ug/L |

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# Report of Analysis

| | | | | | |
|---|---|---|---|---|---|
| Client: | | | | Date Collected: | 6/20/2024 12:00:00 AM |
| Project: | | | | Date Received: | 6/20/2024 12:00:00 AM |
| Client Sample ID: | BP-VPB-196-GW-680-682 | | | SDG No.: | BN062524 |
| Lab Sample ID: | P3056-04 | | | Matrix: | Water |
| Analytical Method: | 8270-Modified | | | % Moisture: | 100 |
| Sample Wt/Vol: | 790 | 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 |
|---|---|---|---|---|
| BN032263.D | 1 | 6/25/2024 12:00:00 AM | 6/26/2024 12:00:00 AM | PB161693 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **SURROGATES** | | | | | | | |
| 7297-45-2 | 2-Methylnaphthalene-d10 | 0.184 | | 30-150 | | 46 | SPK: -0.4 |
| 93951-69-0 | Fluoranthene-d10 | 0.223 | | 30-150 | | 56 | SPK: -0.4 |
| 367-12-4 | 2-Fluorophenol | 0.13 | | 10-92 | | 32 | SPK: -0.4 |
| 13127-88-3 | Phenol-d6 | 0.068 | | 10-100 | | 17 | SPK: -0.4 |
| 4165-60-0 | Nitrobenzene-d5 | 0.187 | | 11-175 | | 47 | SPK: -0.4 |
| 321-60-8 | 2-Fluorobiphenyl | 0.242 | | 10-175 | | 60 | SPK: -0.4 |
| 118-79-6 | 2,4,6-Tribromophenol | 0.252 | | 24-148 | | 63 | SPK: -0.4 |
| 1718-51-0 | Terphenyl-d14 | 0.242 | | 54-171 | | 60 | SPK: -0.4 |
| **INTERNAL STANDARDS** | | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 7923 | 7.632 | | | | |
| 1146-65-2 | Naphthalene-d8 | 23361 | 10.4 | | | | |
| 15067-26-2 | Acenaphthene-d10 | 11202 | 14.264 | | | | |
| 1517-22-2 | Phenanthrene-d10 | 26232 | 17.029 | | | | |
| 1719-03-5 | Chrysene-d12 | 21920 | 21.229 | | | | |
| 1520-96-3 | Perylene-d12 | 7105 | 23.449 | | | | |

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# Report of Analysis

| | | | | | |
|---|---|---|---|---|---|
| Client: | | | | Date Collected: | 6/21/2024 12:00:00 AM |
| Project: | | | | Date Received: | 6/21/2024 12:00:00 AM |
| Client Sample ID: | BP-VPB-196-GW-700-702 | | | SDG No.: | BN062524 |
| Lab Sample ID: | P3056-07 | | | 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 |
|---|---|---|---|---|
| BN032264.D | 1 | 6/25/2024 12:00:00 AM | 6/26/2024 12:00:00 AM | PB161693 |

| 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 | 7.4 | | 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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Fax : 908 789 8922

# Report of Analysis

| | | | | | |
|---|---|---|---|---|---|
| Client: | | | | Date Collected: | 6/21/2024 12:00:00 AM |
| Project: | | | | Date Received: | 6/21/2024 12:00:00 AM |
| Client Sample ID: | BP-VPB-196-GW-700-702 | | | SDG No.: | BN062524 |
| Lab Sample ID: | P3056-07 | | | 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 |
|---|---|---|---|---|
| BN032264.D | 1 | 6/25/2024 12:00:00 AM | 6/26/2024 12:00:00 AM | PB161693 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|---|
| **SURROGATES** | | | | | | | |
| 7297-45-2 | 2-Methylnaphthalene-d10 | 0.227 | | 30-150 | | 57 | SPK: -0.4 |
| 93951-69-0 | Fluoranthene-d10 | 0.17 | | 30-150 | | 43 | SPK: -0.4 |
| 367-12-4 | 2-Fluorophenol | 0.183 | | 10-92 | | 46 | SPK: -0.4 |
| 13127-88-3 | Phenol-d6 | 0.179 | | 10-100 | | 45 | SPK: -0.4 |
| 4165-60-0 | Nitrobenzene-d5 | 0.209 | | 11-175 | | 52 | SPK: -0.4 |
| 321-60-8 | 2-Fluorobiphenyl | 0.247 | | 10-175 | | 62 | SPK: -0.4 |
| 118-79-6 | 2,4,6-Tribromophenol | 0.203 | | 24-148 | | 51 | SPK: -0.4 |
| 1718-51-0 | Terphenyl-d14 | 0.167 | * | 54-171 | | 42 | SPK: -0.4 |
| **INTERNAL STANDARDS** | | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 6918 | 7.631 | | | | |
| 1146-65-2 | Naphthalene-d8 | 20361 | 10.41 | | | | |
| 15067-26-2 | Acenaphthene-d10 | 11628 | 14.274 | | | | |
| 1517-22-2 | Phenanthrene-d10 | 24985 | 17.028 | | | | |
| 1719-03-5 | Chrysene-d12 | 24409 | 21.229 | | | | |
| 1520-96-3 | Perylene-d12 | 26821 | 23.449 | | | | |

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# Hit Summary Sheet
**SW-846**

**SDG No.:** BN062524

**Client:**

| Sample ID | Client ID | | Parameter | Concentration | C | MDL | RDL | Units |
|---|---|---|---|---|---|---|---|---|
| **Client ID : GWBR-05-187-208-062124** | | | | | | | | |
| P3034-01 | GWBR-05-187-208-0621 | Water | 1,4-Dioxane | 1.100 | | 0.07 | 0.2 | ug/L |
| P3034-01 | GWBR-05-187-208-0621 | Water | Benzo(b)fluoranthene | 0.030 | J | 0.03 | 0.1 | ug/L |
| P3034-01 | GWBR-05-187-208-0621 | Water | Benzo(k)fluoranthene | 0.030 | J | 0.03 | 0.1 | ug/L |
| | | | **Total Svoc :** | | | **1.16** | | |
| | | | **Total Concentration:** | | | **1.16** | | |
| **Client ID : EB-01-062124** | | | | | | | | |
| P3034-04 | EB-01-062124 | Water | Benzo(b)fluoranthene | 0.040 | J | 0.04 | 0.11 | ug/L |
| P3034-04 | EB-01-062124 | Water | Benzo(k)fluoranthene | 0.040 | J | 0.04 | 0.11 | ug/L |
| P3034-04 | EB-01-062124 | Water | Bis(2-ethylhexyl)phthalate | 0.230 | | 0.16 | 0.23 | ug/L |
| P3034-04 | EB-01-062124 | Water | Chrysene | 0.030 | J | 0.03 | 0.11 | ug/L |
| | | | **Total Svoc :** | | | **0.34** | | |
| | | | **Total Concentration:** | | | **0.34** | | |
| **Client ID : GWBR-05-257-278-062424** | | | | | | | | |
| P3054-01 | GWBR-05-257-278-0624 | Water | 1,4-Dioxane | 0.260 | | 0.07 | 0.2 | ug/L |
| P3054-01 | GWBR-05-257-278-0624 | Water | Benzo(b)fluoranthene | 0.030 | J | 0.03 | 0.1 | ug/L |
| P3054-01 | GWBR-05-257-278-0624 | Water | Benzo(k)fluoranthene | 0.030 | J | 0.03 | 0.1 | ug/L |
| | | | **Total Svoc :** | | | **0.32** | | |
| | | | **Total Concentration:** | | | **0.32** | | |
| **Client ID : GWBR-05-257-278-062424-FD** | | | | | | | | |
| P3054-02 | GWBR-05-257-278-0624 | Water | 1,4-Dioxane | 0.250 | | 0.07 | 0.2 | ug/L |
| P3054-02 | GWBR-05-257-278-0624 | Water | Benzo(a)anthracene | 0.030 | J | 0.02 | 0.1 | ug/L |
| P3054-02 | GWBR-05-257-278-0624 | Water | Benzo(b)fluoranthene | 0.040 | J | 0.03 | 0.1 | ug/L |
| P3054-02 | GWBR-05-257-278-0624 | Water | Benzo(g,h,i)perylene | 0.040 | J | 0.04 | 0.1 | ug/L |
| P3054-02 | GWBR-05-257-278-0624 | Water | Benzo(k)fluoranthene | 0.040 | J | 0.03 | 0.1 | ug/L |
| P3054-02 | GWBR-05-257-278-0624 | Water | Chrysene | 0.030 | J | 0.03 | 0.1 | ug/L |
| P3054-02 | GWBR-05-257-278-0624 | Water | Dibenzo(a,h)anthracene | 0.040 | J | 0.04 | 0.1 | ug/L |
| P3054-02 | GWBR-05-257-278-0624 | Water | Fluoranthene | 0.020 | J | 0.02 | 0.1 | ug/L |
| P3054-02 | GWBR-05-257-278-0624 | Water | Indeno(1,2,3-cd)pyrene | 0.040 | J | 0.04 | 0.1 | ug/L |
| P3054-02 | GWBR-05-257-278-0624 | Water | Phenanthrene | 0.020 | J | 0.02 | 0.1 | ug/L |
| P3054-02 | GWBR-05-257-278-0624 | Water | Pyrene | 0.020 | J | 0.02 | 0.1 | ug/L |
| | | | **Total Svoc :** | | | **0.57** | | |
| | | | **Total Concentration:** | | | **0.57** | | |
| **Client ID : GWBR-05-281-302-062424** | | | | | | | | |
| P3054-04 | GWBR-05-281-302-0624 | Water | 1,4-Dioxane | 0.150 | J | 0.07 | 0.2 | ug/L |
| P3054-04 | GWBR-05-281-302-0624 | Water | Benzo(a)anthracene | 0.020 | J | 0.02 | 0.1 | ug/L |
| P3054-04 | GWBR-05-281-302-0624 | Water | Benzo(b)fluoranthene | 0.040 | J | 0.03 | 0.1 | ug/L |

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# Hit Summary Sheet
**SW-846**

**SDG No.:** BN062524

**Client:**

| Sample ID | Client ID | Parameter | Concentration | C | MDL | RDL | Units |
|---|---|---|---|---|---|---|---|
| P3054-04 | GWBR-05-281-302-0624 Water | Benzo(k)fluoranthene | 0.040 | J | 0.03 | 0.1 | ug/L |
| P3054-04 | GWBR-05-281-302-0624 Water | Chrysene | 0.030 | J | 0.03 | 0.1 | ug/L |
| | | **Total Svoc :** | | | **0.28** | | |
| | | **Total Concentration:** | | | **0.28** | | |
| **Client ID :** | **BP-VPB-196-GW-680-682** | | | | | | |
| P3056-04 | BP-VPB-196-GW-680-68 Water | 1,4-Dioxane | 0.100 | J | 0.09 | 0.25 | ug/L |
| P3056-04 | BP-VPB-196-GW-680-68 Water | Benzo(b)fluoranthene | 0.100 | J | 0.04 | 0.13 | ug/L |
| P3056-04 | BP-VPB-196-GW-680-68 Water | Benzo(k)fluoranthene | 0.070 | J | 0.04 | 0.13 | ug/L |
| P3056-04 | BP-VPB-196-GW-680-68 Water | Dibenzo(a,h)anthracene | 0.060 | J | 0.05 | 0.13 | ug/L |
| P3056-04 | BP-VPB-196-GW-680-68 Water | Indeno(1,2,3-cd)pyrene | 0.060 | J | 0.05 | 0.13 | ug/L |
| | | **Total Svoc :** | | | **0.39** | | |
| | | **Total Concentration:** | | | **0.39** | | |
| **Client ID :** | **BP-VPB-196-GW-700-702** | | | | | | |
| P3056-07 | BP-VPB-196-GW-700-70 Water | Bis(2-ethylhexyl)phthalate | 7.400 | | 1.4 | 2 | ug/L |
| | | **Total Svoc :** | | | **7.40** | | |
| | | **Total Concentration:** | | | **7.40** | | |

CHEMTECH

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BN061024 SAS No.: BN061024 SDG No.: BN061024

Instrument ID: Calibration Date(s): 6/10/2024

Calibration Time(s): 11:22

LAB FILE ID: RRF0.1 = BN031872.D RRF0.2 = BN031873.D RRF0.4 = BN031874.D
RRF0.8 = BN031875.D RRF1.6 = BN031876.D RRF3.2 = BN031877.D

| COMPOUND | RRF0.1 | RRF0.2 | RRF0.4 | RRF0.8 | RRF1.6 | RRF3.2 | RRF | % RSD |
|---|---|---|---|---|---|---|---|---|
| 2-Methylnaphthalene-d10 | 0.626 | 0.649 | 0.555 | 0.644 | 0.681 | 0.655 | 0.637 | 6.2 |
| Fluoranthene-d10 | 1.071 | 1.077 | 0.932 | 1.123 | 1.177 | 1.116 | 1.089 | 7.1 |
| n-Nitrosodimethylamine | 0.464 | 0.486 | 0.400 | 0.466 | 0.499 | 0.480 | 0.465 | 6.9 |
| 2-Fluorophenol | 1.150 | 1.201 | 0.999 | 1.122 | 1.212 | 1.162 | 1.137 | 6.2 |
| Phenol-d6 | 1.459 | 1.537 | 1.289 | 1.469 | 1.605 | 1.559 | 1.491 | 6.9 |
| bis(2-Chloroethyl)ether | 1.278 | 1.352 | 1.115 | 1.284 | 1.370 | 1.315 | 1.284 | 6.5 |
| Nitrobenzene-d5 | 0.330 | 0.338 | 0.287 | 0.327 | 0.353 | 0.349 | 0.332 | 6.7 |
| Naphthalene | 1.064 | 1.114 | 0.941 | 1.073 | 1.145 | 1.112 | 1.077 | 6.1 |
| Hexachlorobutadiene | 0.195 | 0.197 | 0.165 | 0.186 | 0.198 | 0.191 | 0.188 | 6.0 |
| 2-Methylnaphthalene | 0.735 | 0.756 | 0.644 | 0.743 | 0.785 | 0.751 | 0.736 | 6.0 |
| 2-Fluorobiphenyl | 1.528 | 1.560 | 1.307 | 1.492 | 1.621 | 1.579 | 1.517 | 6.7 |
| Acenaphthylene | 1.753 | 1.814 | 1.539 | 1.814 | 2.006 | 2.006 | 1.844 | 9.2 |
| Acenaphthene | 1.155 | 1.210 | 1.019 | 1.175 | 1.276 | 1.247 | 1.187 | 7.1 |
| Fluorene | 1.564 | 1.614 | 1.366 | 1.587 | 1.703 | 1.641 | 1.586 | 6.7 |
| 4,6-Dinitro-2-methylphenol | | 0.044 | 0.043 | 0.059 | 0.078 | 0.091 | 0.069 | 34.3 |
| 2,4,6-Tribromophenol | 0.190 | 0.182 | 0.155 | 0.186 | 0.204 | 0.211 | 0.192 | 10.8 |
| 4-Bromophenyl-phenylether | 0.227 | 0.234 | 0.192 | 0.224 | 0.241 | 0.238 | 0.227 | 7.2 |
| Hexachlorobenzene | 0.231 | 0.240 | 0.202 | 0.234 | 0.254 | 0.244 | 0.235 | 7.0 |
| Atrazine | 0.214 | 0.205 | 0.175 | 0.211 | 0.222 | 0.217 | 0.208 | 7.4 |
| Pentachlorophenol | | 0.094 | 0.082 | 0.108 | 0.130 | 0.140 | 0.117 | 22.1 |
| Phenanthrene | 1.112 | 1.127 | 0.944 | 1.096 | 1.200 | 1.150 | 1.110 | 7.2 |
| Anthracene | 0.989 | 1.019 | 0.855 | 1.033 | 1.118 | 1.100 | 1.030 | 8.8 |
| Fluoranthene | 1.379 | 1.391 | 1.147 | 1.379 | 1.446 | 1.348 | 1.346 | 7.0 |
| Pyrene | 1.607 | 1.748 | 1.328 | 1.522 | 1.651 | 1.695 | 1.589 | 8.7 |
| Terphenyl-d14 | 1.042 | 1.067 | 0.811 | 0.951 | 1.006 | 1.018 | 0.978 | 8.7 |
| Benzo(a)anthracene | 1.555 | 1.575 | 1.245 | 1.482 | 1.587 | 1.565 | 1.507 | 8.0 |
| Chrysene | 1.461 | 1.489 | 1.200 | 1.421 | 1.512 | 1.447 | 1.424 | 7.3 |
| Bis(2-ethylhexyl)phthalate | | 1.117 | 0.861 | 1.042 | 1.091 | 0.975 | 1.029 | 9.3 |
| Benzo(b)fluoranthene | 1.496 | 1.537 | 1.232 | 1.430 | 1.539 | 1.538 | 1.458 | 7.6 |
| Benzo(k)fluoranthene | 1.430 | 1.477 | 1.154 | 1.362 | 1.445 | 1.436 | 1.378 | 7.9 |
| Benzo(a)pyrene | 1.301 | 1.326 | 1.043 | 1.243 | 1.335 | 1.299 | 1.258 | 8.0 |
| Indeno(1,2,3-cd)pyrene | 1.535 | 1.568 | 1.196 | 1.532 | 1.612 | 1.460 | 1.492 | 9.3 |
| Dibenzo(a,h)anthracene | 1.205 | 1.242 | 0.940 | 1.205 | 1.267 | 1.156 | 1.176 | 9.3 |
| Benzo(g,h,i)perylene | 1.298 | 1.323 | 1.007 | 1.299 | 1.363 | 1.231 | 1.263 | 9.5 |
| 1,4-Dioxane | 0.579 | 0.544 | 0.426 | 0.467 | 0.494 | 0.469 | 0.490 | 11.1 |

All other compounds must meet a minimum RRF of 0.010.

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BN062524 SAS No.: BN062524 SDG NO.: BN062524

EPA Sample No.: SSTDICCC0.4 Date Analyzed: Jun 25 2024 12:00AM

Lab File ID: BN031874.D Time Analyzed: 22:06

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 | 10703 | 7.675 | 35162 | 10.45 | 22532 | 14.32 |
| | UPPER LIMIT | 21406 | 8.175 | 70324 | 10.953 | 45064 | 14.817 |
| | LOWER LIMIT | 5351.5 | 7.175 | 17581 | 9.953 | 11266 | 13.817 |
| | EPA SAMPLE NO. | | | | | | |
| 01 | PB161660BL | 7287 | 7.63 | 20744 | 10.41 | 11964 | 14.27 |
| 02 | PB161660BS | 7787 | 7.63 | 22427 | 10.41 | 12513 | 14.27 |
| 03 | GWBR-05-187-208-062124 | 6757 | 7.63 | 19428 | 10.41 | 11716 | 14.27 |
| 04 | GWBR-05-187-208-062124MS | 8568 | 7.63 | 24654 | 10.41 | 13630 | 14.27 |
| 05 | GWBR-05-187-208-062124MSD | 7854 | 7.63 | 22634 | 10.41 | 12604 | 14.27 |
| 06 | EB-01-062124 | 6917 | 7.63 | 20258 | 10.41 | 12374 | 14.27 |
| 07 | PB161510BS | 9056 | 7.63 | 26316 | 10.41 | 15071 | 14.27 |
| 08 | PB161693BS | 8809 | 7.63 | 25858 | 10.41 | 15387 | 14.27 |
| 09 | PB161693BSD | 8379 | 7.63 | 24037 | 10.41 | 13924 | 14.27 |
| 10 | GWBR-05-257-278-062424 | 8158 | 7.63 | 23490 | 10.41 | 14097 | 14.27 |
| 11 | GWBR-05-257-278-062424-FD | 10036 | 7.63 | 28701 | 10.41 | 16590 | 14.27 |
| 12 | GWBR-05-281-302-062424 | 7642 | 7.63 | 22146 | 10.41 | 13064 | 14.27 |
| 13 | BP-VPB-196-GW-665-667 | 8194 | 7.63 | 24493 | 10.41 | 14375 | 14.27 |
| 14 | BP-VPB-196-GW-680-682 | 7923 | 7.63 | 23361 | 10.40 | 11202 * | 14.26 |
| 15 | BP-VPB-196-GW-700-702 | 6918 | 7.63 | 20361 | 10.41 | 11628 | 14.27 |

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.: BN062524 SAS No.: BN062524 SDG NO.: BN062524

EPA Sample No.: SSTDCCC0.4 Date Analyzed: Jun 25 2024 12:00AM

Lab File ID: BN032249.D Time Analyzed: 22:06

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 | 8045 | 7.632 | 23390 | 10.41 | 13479 | 14.27 |
| | UPPER LIMIT | 16090 | 8.132 | 46780 | 10.91 | 26958 | 14.774 |
| | LOWER LIMIT | 4022.5 | 7.132 | 11695 | 9.91 | 6739.5 | 13.774 |
| | EPA SAMPLE NO. | | | | | | |
| 01 | PB161660BL | 7287 | 7.63 | 20744 | 10.41 | 11964 | 14.27 |
| 02 | PB161660BS | 7787 | 7.63 | 22427 | 10.41 | 12513 | 14.27 |
| 03 | GWBR-05-187-208-062124 | 6757 | 7.63 | 19428 | 10.41 | 11716 | 14.27 |
| 04 | GWBR-05-187-208-062124MS | 8568 | 7.63 | 24654 | 10.41 | 13630 | 14.27 |
| 05 | GWBR-05-187-208-062124MSD | 7854 | 7.63 | 22634 | 10.41 | 12604 | 14.27 |
| 06 | EB-01-062124 | 6917 | 7.63 | 20258 | 10.41 | 12374 | 14.27 |
| 07 | PB161510BS | 9056 | 7.63 | 26316 | 10.41 | 15071 | 14.27 |
| 08 | PB161693BS | 8809 | 7.63 | 25858 | 10.41 | 15387 | 14.27 |
| 09 | PB161693BSD | 8379 | 7.63 | 24037 | 10.41 | 13924 | 14.27 |
| 10 | GWBR-05-257-278-062424 | 8158 | 7.63 | 23490 | 10.41 | 14097 | 14.27 |
| 11 | GWBR-05-257-278-062424-FD | 10036 | 7.63 | 28701 | 10.41 | 16590 | 14.27 |
| 12 | GWBR-05-281-302-062424 | 7642 | 7.63 | 22146 | 10.41 | 13064 | 14.27 |
| 13 | BP-VPB-196-GW-665-667 | 8194 | 7.63 | 24493 | 10.41 | 14375 | 14.27 |
| 14 | BP-VPB-196-GW-680-682 | 7923 | 7.63 | 23361 | 10.40 | 11202 | 14.26 |
| 15 | BP-VPB-196-GW-700-702 | 6918 | 7.63 | 20361 | 10.41 | 11628 | 14.27 |

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.: BN062524 SAS No.: BN062524 SDG NO.: BN062524

EPA Sample No.: SSTDICCC0.4 Date Analyzed: Jun 25 2024 12:00AM

Lab File ID: BN031874.D Time Analyzed: 22:06

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 | 52345 | | 17.066 | 47014 | | 21.265 | 48380 | | 23.502 |
| | UPPER LIMIT | 104690 | | 17.566 | 94028 | | 21.765 | 96760 | | 24.002 |
| | LOWER LIMIT | 26172.5 | | 16.566 | 23507 | | 20.765 | 24190 | | 23.002 |
| | EPA SAMPLE NO. | | | | | | | | | |
| 01 | PB161660BL | 24041 | * | 17.03 | 21678 | * | 21.23 | 25314 | | 23.46 |
| 02 | PB161660BS | 25700 | * | 17.03 | 22037 | * | 21.23 | 25263 | | 23.45 |
| 03 | GWBR-05-187-208-062124 | 24782 | * | 17.03 | 24123 | | 21.23 | 26314 | | 23.46 |
| 04 | GWBR-05-187-208-062124MS | 26963 | | 17.03 | 23455 | * | 21.23 | 26449 | | 23.45 |
| 05 | GWBR-05-187-208-062124MSD | 25131 | * | 17.03 | 23291 | * | 21.23 | 26277 | | 23.45 |
| 06 | EB-01-062124 | 26823 | | 17.03 | 25338 | | 21.23 | 27525 | | 23.45 |
| 07 | PB161510BS | 30582 | | 17.03 | 25660 | | 21.23 | 28291 | | 23.45 |
| 08 | PB161693BS | 32505 | | 17.03 | 26812 | | 21.23 | 28523 | | 23.45 |
| 09 | PB161693BSD | 29090 | | 17.03 | 26811 | | 21.23 | 29741 | | 23.45 |
| 10 | GWBR-05-257-278-062424 | 29692 | | 17.03 | 26351 | | 21.23 | 29046 | | 23.45 |
| 11 | GWBR-05-257-278-062424-FD | 34854 | | 17.03 | 30046 | | 21.23 | 33018 | | 23.45 |
| 12 | GWBR-05-281-302-062424 | 27225 | | 17.03 | 23989 | | 21.23 | 26224 | | 23.45 |
| 13 | BP-VPB-196-GW-665-667 | 30193 | | 17.03 | 28757 | | 21.23 | 31565 | | 23.45 |
| 14 | BP-VPB-196-GW-680-682 | 26232 | | 17.03 | 21920 | * | 21.23 | 7105 | * | 23.45 |
| 15 | BP-VPB-196-GW-700-702 | 24985 | * | 17.03 | 24409 | | 21.23 | 26821 | | 23.45 |

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BN062524 SAS No.: BN062524 SDG NO.: BN062524

EPA Sample No.: SSTDICCC0.4 Date Analyzed: Jun 26 2024 12:00AM

Lab File ID: BN031874.D Time Analyzed: 06:31

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 | 52345 | 17.066 | 47014 | 21.265 | 48380 | 23.502 |
| UPPER LIMIT | 104690 | 17.566 | 94028 | 21.765 | 96760 | 24.002 |
| LOWER LIMIT | 26172.5 | 16.566 | 23507 | 20.765 | 24190 | 23.002 |
| 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.: BN062524 SAS No.: BN062524 SDG NO.: BN062524

EPA Sample No.: SSTDCCC0.4 Date Analyzed: Jun 25 2024 12:00AM

Lab File ID: BN032249.D Time Analyzed: 22:06

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 | 27424 | 17.029 | 25686 | 21.229 | 27651 | 23.452 |
| | UPPER LIMIT | 54848 | 17.529 | 51372 | 21.729 | 55302 | 23.952 |
| | LOWER LIMIT | 13712 | 16.529 | 12843 | 20.729 | 13825.5 | 22.952 |
| | EPA SAMPLE NO. | | | | | | |
| 01 | PB161660BL | 24041 | 17.03 | 21678 | 21.23 | 25314 | 23.46 |
| 02 | PB161660BS | 25700 | 17.03 | 22037 | 21.23 | 25263 | 23.45 |
| 03 | GWBR-05-187-208-062124 | 24782 | 17.03 | 24123 | 21.23 | 26314 | 23.46 |
| 04 | GWBR-05-187-208-062124MS | 26963 | 17.03 | 23455 | 21.23 | 26449 | 23.45 |
| 05 | GWBR-05-187-208-062124MSD | 25131 | 17.03 | 23291 | 21.23 | 26277 | 23.45 |
| 06 | EB-01-062124 | 26823 | 17.03 | 25338 | 21.23 | 27525 | 23.45 |
| 07 | PB161510BS | 30582 | 17.03 | 25660 | 21.23 | 28291 | 23.45 |
| 08 | PB161693BS | 32505 | 17.03 | 26812 | 21.23 | 28523 | 23.45 |
| 09 | PB161693BSD | 29090 | 17.03 | 26811 | 21.23 | 29741 | 23.45 |
| 10 | GWBR-05-257-278-062424 | 29692 | 17.03 | 26351 | 21.23 | 29046 | 23.45 |
| 11 | GWBR-05-257-278-062424-FD | 34854 | 17.03 | 30046 | 21.23 | 33018 | 23.45 |
| 12 | GWBR-05-281-302-062424 | 27225 | 17.03 | 23989 | 21.23 | 26224 | 23.45 |
| 13 | BP-VPB-196-GW-665-667 | 30193 | 17.03 | 28757 | 21.23 | 31565 | 23.45 |
| 14 | BP-VPB-196-GW-680-682 | 26232 | 17.03 | 21920 | 21.23 | 7105 * | 23.45 |
| 15 | BP-VPB-196-GW-700-702 | 24985 | 17.03 | 24409 | 21.23 | 26821 | 23.45 |

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BN062524 SAS No.: BN062524 SDG NO.: BN062524

EPA Sample No.: SSTDCCC0.4 Date Analyzed: Jun 26 2024 12:00AM

Lab File ID: BN032249.D Time Analyzed: 06:31

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 | 27424 | 17.029 | 25686 | 21.229 | 27651 | 23.452 |
| UPPER LIMIT | 54848 | 17.529 | 51372 | 21.729 | 55302 | 23.952 |
| LOWER LIMIT | 13712 | 16.529 | 12843 | 20.729 | 13825.5 | 22.952 |
| 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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# Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

**SW-846**

**SDG No.:** BN062524

**Client:**

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

| Lab Sample ID | Parameter | Spike | Result | Unit | Rec | RPD | Qual | RPD Qual | Limits Low | Limits High | Limits RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PB161510BS | n-Nitrosodimethylamine | 0.4 | 0.32 | ug/L | 80 | | | | 33 | 130 | |
| | bis(2-Chloroethyl)ether | 0.4 | 0.28 | ug/L | 70 | | | | 55 | 118 | |
| | Naphthalene | 0.4 | 0.36 | ug/L | 90 | | | | 67 | 120 | |
| | Hexachlorobutadiene | 0.4 | 0.43 | ug/L | 108 | | | | 33 | 114 | |
| | 2-Methylnaphthalene | 0.4 | 0.35 | ug/L | 88 | | | | 50 | 122 | |
| | Acenaphthylene | 0.4 | 0.34 | ug/L | 85 | | | | 60 | 119 | |
| | Acenaphthene | 0.4 | 0.36 | ug/L | 90 | | | | 65 | 119 | |
| | Total PAH | 6.4 | 5.93 | ug/L | 93 | | | | 65 | 119 | |
| | Fluorene | 0.4 | 0.33 | ug/L | 83 | | | | 58 | 122 | |
| | 4,6-Dinitro-2-methylphenol | 0.4 | 0.31 | ug/L | 78 | | | | 20 | 150 | |
| | 4-Bromophenyl-phenylether | 0.4 | 0.37 | ug/L | 93 | | | | 20 | 150 | |
| | Hexachlorobenzene | 0.4 | 0.41 | ug/L | 103 | | | | 62 | 127 | |
| | Atrazine | 0.4 | 0.32 | ug/L | 80 | | | | 20 | 150 | |
| | Pentachlorophenol | 0.8 | 0.38 | ug/L | 48 | | | | 10 | 137 | |
| | Phenanthrene | 0.4 | 0.37 | ug/L | 93 | | | | 65 | 117 | |
| | Anthracene | 0.4 | 0.35 | ug/L | 88 | | | | 57 | 118 | |
| | Fluoranthene | 0.4 | 0.35 | ug/L | 88 | | | | 53 | 126 | |
| | Pyrene | 0.4 | 0.37 | ug/L | 93 | | | | 54 | 124 | |
| | Benzo(a)anthracene | 0.4 | 0.36 | ug/L | 90 | | | | 54 | 130 | |
| | Chrysene | 0.4 | 0.37 | ug/L | 93 | | | | 64 | 126 | |
| | bis(2-Ethylhexyl)phthalate | 0.4 | 0.34 | ug/L | 85 | | | | 40 | 137 | |
| | Benzo(b)fluoranthene | 0.4 | 0.37 | ug/L | 93 | | | | 65 | 121 | |
| | Benzo(k)fluoranthene | 0.4 | 0.39 | ug/L | 98 | | | | 72 | 119 | |
| | Benzo(a)pyrene | 0.4 | 0.37 | ug/L | 93 | | | | 68 | 120 | |
| | Indeno(1,2,3-cd)pyrene | 0.4 | 0.41 | ug/L | 103 | | | | 70 | 127 | |
| | Dibenz(a,h)anthracene | 0.4 | 0.42 | ug/L | 105 | | | | 65 | 121 | |
| | Benzo(g,h,i)perylene | 0.4 | 0.41 | ug/L | 103 | | | | 76 | 117 | |
| | 1,4-Dioxane | 0.4 | 0.35 | ug/L | 88 | | | | 60 | 132 | |

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# Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

**SW-846**

**SDG No.:** BN062524

**Client:**

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

| Lab Sample ID | Parameter | Spike | Result | Unit | Rec | RPD | Qual | RPD Qual | Limits Low | Limits High | Limits RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PB161660BS | n-Nitrosodimethylamine | 0.4 | 0.3 | ug/L | 75 | | | | 33 | 130 | |
| | bis(2-Chloroethyl)ether | 0.4 | 0.26 | ug/L | 65 | | | | 55 | 118 | |
| | Naphthalene | 0.4 | 0.33 | ug/L | 83 | | | | 67 | 120 | |
| | Hexachlorobutadiene | 0.4 | 0.36 | ug/L | 90 | | | | 33 | 114 | |
| | 2-Methylnaphthalene | 0.4 | 0.31 | ug/L | 78 | | | | 50 | 122 | |
| | Acenaphthylene | 0.4 | 0.34 | ug/L | 85 | | | | 60 | 119 | |
| | Acenaphthene | 0.4 | 0.32 | ug/L | 80 | | | | 65 | 119 | |
| | Total PAH | 6.4 | 7.17 | ug/L | 112 | | | | 65 | 119 | |
| | Fluorene | 0.4 | 0.31 | ug/L | 78 | | | | 58 | 122 | |
| | 4,6-Dinitro-2-methylphenol | 0.4 | 0.29 | ug/L | 73 | | | | 20 | 150 | |
| | 4-Bromophenyl-phenylether | 0.4 | 0.34 | ug/L | 85 | | | | 20 | 150 | |
| | Hexachlorobenzene | 0.4 | 0.37 | ug/L | 93 | | | | 62 | 127 | |
| | Atrazine | 0.4 | 0.32 | ug/L | 80 | | | | 20 | 150 | |
| | Pentachlorophenol | 0.8 | 0.58 | ug/L | 73 | | | | 10 | 137 | |
| | Phenanthrene | 0.4 | 0.37 | ug/L | 93 | | | | 65 | 117 | |
| | Anthracene | 0.4 | 0.41 | ug/L | 103 | | | | 57 | 118 | |
| | Fluoranthene | 0.4 | 0.4 | ug/L | 100 | | | | 53 | 126 | |
| | Pyrene | 0.4 | 0.42 | ug/L | 105 | | | | 54 | 124 | |
| | Benzo(a)anthracene | 0.4 | 0.49 | ug/L | 123 | | | | 54 | 130 | |
| | Chrysene | 0.4 | 0.5 | ug/L | 125 | | | | 64 | 126 | |
| | bis(2-Ethylhexyl)phthalate | 0.4 | 0.36 | ug/L | 90 | | | | 40 | 137 | |
| | Benzo(b)fluoranthene | 0.4 | 0.48 | ug/L | 120 | | | | 65 | 121 | |
| | Benzo(k)fluoranthene | 0.4 | 0.52 | ug/L | 130 | | * | | 72 | 119 | |
| | Benzo(a)pyrene | 0.4 | 0.51 | ug/L | 128 | | * | | 68 | 120 | |
| | Indeno(1,2,3-cd)pyrene | 0.4 | 0.61 | ug/L | 153 | | * | | 70 | 127 | |
| | Dibenz(a,h)anthracene | 0.4 | 0.6 | ug/L | 150 | | * | | 65 | 121 | |
| | Benzo(g,h,i)perylene | 0.4 | 0.56 | ug/L | 140 | | * | | 76 | 117 | |
| | 1,4-Dioxane | 0.4 | 0.26 | ug/L | 65 | | | | 60 | 132 | |

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# Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

**SW-846**

**SDG No.:** BN062524

**Client:**

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

| Lab Sample ID | Parameter | Spike | Result | Unit | Rec | RPD | Qual | RPD Qual | Limits Low | Limits High | RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PB161693BS | n-Nitrosodimethylamine | 0.4 | 0.33 | ug/L | 83 | | | | 33 | 130 | |
| | bis(2-Chloroethyl)ether | 0.4 | 0.29 | ug/L | 73 | | | | 55 | 118 | |
| | Naphthalene | 0.4 | 0.36 | ug/L | 90 | | | | 67 | 120 | |
| | Hexachlorobutadiene | 0.4 | 0.43 | ug/L | 108 | | | | 33 | 114 | |
| | 2-Methylnaphthalene | 0.4 | 0.35 | ug/L | 88 | | | | 50 | 122 | |
| | Acenaphthylene | 0.4 | 0.33 | ug/L | 83 | | | | 60 | 119 | |
| | Acenaphthene | 0.4 | 0.36 | ug/L | 90 | | | | 65 | 119 | |
| | Total PAH | 6.4 | 5.97 | ug/L | 93 | | | | 65 | 119 | |
| | Fluorene | 0.4 | 0.34 | ug/L | 85 | | | | 58 | 122 | |
| | 4,6-Dinitro-2-methylphenol | 0.4 | 0.32 | ug/L | 80 | | | | 20 | 150 | |
| | 4-Bromophenyl-phenylether | 0.4 | 0.38 | ug/L | 95 | | | | 20 | 150 | |
| | Hexachlorobenzene | 0.4 | 0.41 | ug/L | 103 | | | | 62 | 127 | |
| | Atrazine | 0.4 | 0.33 | ug/L | 83 | | | | 20 | 150 | |
| | Pentachlorophenol | 0.8 | 0.4 | ug/L | 50 | | | | 10 | 137 | |
| | Phenanthrene | 0.4 | 0.37 | ug/L | 93 | | | | 65 | 117 | |
| | Anthracene | 0.4 | 0.35 | ug/L | 88 | | | | 57 | 118 | |
| | Fluoranthene | 0.4 | 0.36 | ug/L | 90 | | | | 53 | 126 | |
| | Pyrene | 0.4 | 0.38 | ug/L | 95 | | | | 54 | 124 | |
| | Benzo(a)anthracene | 0.4 | 0.36 | ug/L | 90 | | | | 54 | 130 | |
| | Chrysene | 0.4 | 0.37 | ug/L | 93 | | | | 64 | 126 | |
| | bis(2-Ethylhexyl)phthalate | 0.4 | 0.36 | ug/L | 90 | | | | 40 | 137 | |
| | Benzo(b)fluoranthene | 0.4 | 0.38 | ug/L | 95 | | | | 65 | 121 | |
| | Benzo(k)fluoranthene | 0.4 | 0.39 | ug/L | 98 | | | | 72 | 119 | |
| | Benzo(a)pyrene | 0.4 | 0.38 | ug/L | 95 | | | | 68 | 120 | |
| | Indeno(1,2,3-cd)pyrene | 0.4 | 0.41 | ug/L | 103 | | | | 70 | 127 | |
| | Dibenz(a,h)anthracene | 0.4 | 0.42 | ug/L | 105 | | | | 65 | 121 | |
| | Benzo(g,h,i)perylene | 0.4 | 0.41 | ug/L | 103 | | | | 76 | 117 | |
| | 1,4-Dioxane | 0.4 | 0.36 | ug/L | 90 | | | | 60 | 132 | |
| PB161693BSD | n-Nitrosodimethylamine | 0.4 | 0.33 | ug/L | 83 | 0 | | | 33 | 130 | 20 |
| | bis(2-Chloroethyl)ether | 0.4 | 0.28 | ug/L | 70 | 4 | | | 55 | 118 | 20 |
| | Naphthalene | 0.4 | 0.37 | ug/L | 93 | 3 | | | 67 | 120 | 20 |
| | Hexachlorobutadiene | 0.4 | 0.42 | ug/L | 105 | 2 | | | 33 | 114 | 20 |
| | 2-Methylnaphthalene | 0.4 | 0.34 | ug/L | 85 | 3 | | | 50 | 122 | 20 |
| | Acenaphthylene | 0.4 | 0.33 | ug/L | 83 | 0 | | | 60 | 119 | 20 |
| | Acenaphthene | 0.4 | 0.35 | ug/L | 88 | 3 | | | 65 | 119 | 20 |
| | Total PAH | 6.4 | 5.93 | ug/L | 93 | 1 | | | 65 | 119 | 20 |
| | Fluorene | 0.4 | 0.34 | ug/L | 85 | 0 | | | 58 | 122 | 20 |
| | 4,6-Dinitro-2-methylphenol | 0.4 | 0.32 | ug/L | 80 | 0 | | | 20 | 150 | 20 |
| | 4-Bromophenyl-phenylether | 0.4 | 0.37 | ug/L | 93 | 3 | | | 20 | 150 | 20 |
| | Hexachlorobenzene | 0.4 | 0.41 | ug/L | 103 | 0 | | | 62 | 127 | 20 |
| | Atrazine | 0.4 | 0.31 | ug/L | 78 | 6 | | | 20 | 150 | 20 |
| | Pentachlorophenol | 0.8 | 0.39 | ug/L | 49 | 3 | | | 10 | 137 | 20 |
| | Phenanthrene | 0.4 | 0.37 | ug/L | 93 | 0 | | | 65 | 117 | 20 |
| | Anthracene | 0.4 | 0.35 | ug/L | 88 | 0 | | | 57 | 118 | 20 |

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# Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

**SW-846**

**SDG No.:** BN062524

**Client:**

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

| Lab Sample ID | Parameter | Spike | Result | Unit | Rec | RPD | Qual | RPD Qual | Limits Low | Limits High | RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PB161693BSD | Fluoranthene | 0.4 | 0.37 | ug/L | 93 | 3 | | | 53 | 126 | 20 |
| | Pyrene | 0.4 | 0.35 | ug/L | 88 | 8 | | | 54 | 124 | 20 |
| | Benzo(a)anthracene | 0.4 | 0.36 | ug/L | 90 | 0 | | | 54 | 130 | 20 |
| | Chrysene | 0.4 | 0.37 | ug/L | 93 | 0 | | | 64 | 126 | 20 |
| | bis(2-Ethylhexyl)phthalate | 0.4 | 0.32 | ug/L | 80 | 12 | | | 40 | 137 | 20 |
| | Benzo(b)fluoranthene | 0.4 | 0.36 | ug/L | 90 | 5 | | | 65 | 121 | 20 |
| | Benzo(k)fluoranthene | 0.4 | 0.4 | ug/L | 100 | 3 | | | 72 | 119 | 20 |
| | Benzo(a)pyrene | 0.4 | 0.37 | ug/L | 93 | 3 | | | 68 | 120 | 20 |
| | Indeno(1,2,3-cd)pyrene | 0.4 | 0.41 | ug/L | 103 | 0 | | | 70 | 127 | 20 |
| | Dibenz(a,h)anthracene | 0.4 | 0.42 | ug/L | 105 | 0 | | | 65 | 121 | 20 |
| | Benzo(g,h,i)perylene | 0.4 | 0.41 | ug/L | 103 | 0 | | | 76 | 117 | 20 |
| | 1,4-Dioxane | 0.4 | 0.36 | ug/L | 90 | 0 | | | 60 | 132 | 20 |

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB161510BS

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BN062524 SAS No.: BN062524 SDG NO.: BN062524

Lab File ID: BN032256.D Lab Sample ID: PB161510BS

Instrument ID: BNA_N Date Extracted: 06/14/2024

Matrix: (soil/water) Water Date Analyzed: 06/26/2024

Level: (low/med) LOW Time Analyzed: 01:43

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

| EPA SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED |
|---|---|---|---|
| PB161510BS | PB161510BS | BN032256.D | 06/26/2024 |

COMMENTS:

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB161660BL

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BN062524 SAS No.: BN062524 SDG NO.: BN062524

Lab File ID: BN032250.D Lab Sample ID: PB161660BL

Instrument ID: BNA_N Date Extracted: 06/24/2024

Matrix: (soil/water) Water Date Analyzed: 06/25/2024

Level: (low/med) LOW Time Analyzed: 22:06

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

| EPA SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED |
|---|---|---|---|
| PB161660BS | PB161660BS | BN032251.D | 06/25/2024 |
| GWBR-05-187-208-062124 | P3034-01 | BN032252.D | 06/25/2024 |
| GWBR-05-187-208-062124MS | P3034-02MS | BN032253.D | 06/25/2024 |
| GWBR-05-187-208-062124MSD | P3034-03MSD | BN032254.D | 06/26/2024 |
| EB-01-062124 | P3034-04 | BN032255.D | 06/26/2024 |

COMMENTS:

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB161693BS

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BN062524 SAS No.: BN062524 SDG NO.: BN062524

Lab File ID: BN032257.D Lab Sample ID: PB161693BS

Instrument ID: BNA_N Date Extracted: 06/25/2024

Matrix: (soil/water) Water Date Analyzed: 06/26/2024

Level: (low/med) LOW Time Analyzed: 02:19

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

| EPA SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED |
|---|---|---|---|
| PB161693BS | PB161693BS | BN032257.D | 06/26/2024 |
| PB161693BSD | PB161693BSD | BN032258.D | 06/26/2024 |
| GWBR-05-257-278-062424 | P3054-01 | BN032259.D | 06/26/2024 |
| GWBR-05-257-278-062424-FD | P3054-02 | BN032260.D | 06/26/2024 |
| GWBR-05-281-302-062424 | P3054-04 | BN032261.D | 06/26/2024 |
| BP-VPB-196-GW-665-667 | P3056-02 | BN032262.D | 06/26/2024 |
| BP-VPB-196-GW-680-682 | P3056-04 | BN032263.D | 06/26/2024 |
| BP-VPB-196-GW-700-702 | P3056-07 | BN032264.D | 06/26/2024 |

COMMENTS:

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**Matrix Spike/Matrix Spike Duplicate Summary**

**SW-846**

**SDG No.:** BN062524

**Client:**

**Analytical Method:** 8270-Modified

| Parameter | Spike | Sample Result | Result | Units | Rec | Rec Qual | RPD | RPD Qual | Limits Low | Limits High | RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Lab Sample ID: P3034-02MS** | | **Client Sample ID: GWBR-05-187-208-062124MS** | | | | | | **DataFile:** | **BN032253.D** | | |
| n-Nitrosodimethylamine | 0.41 | | 0.11 | ug/L | 27 | | | | 10 | 158 | |
| bis(2-Chloroethyl)ether | 0.41 | | 0.25 | ug/L | 61 | | | | 27 | 159 | |
| Naphthalene | 0.41 | | 0.29 | ug/L | 71 | | | | 62 | 119 | |
| Hexachlorobutadiene | 0.41 | | 0.3 | ug/L | 73 | | | | 14 | 140 | |
| 2-Methylnaphthalene | 0.41 | | 0.28 | ug/L | 68 | * | | | 70 | 118 | |
| Acenaphthylene | 0.41 | | 0.3 | ug/L | 73 | | | | 53 | 123 | |
| Acenaphthene | 0.41 | | 0.28 | ug/L | 68 | | | | 57 | 122 | |
| Total PAH | 6.56 | 0 | 5.71 | ug/L | 87 | | | | 57 | 122 | |
| Fluorene | 0.41 | | 0.28 | ug/L | 68 | | | | 58 | 123 | |
| 4,6-Dinitro-2-methylphenol | 0.41 | | 0.3 | ug/L | 73 | | | | 20 | 150 | |
| 4-Bromophenyl-phenylether | 0.41 | | 0.32 | ug/L | 78 | | | | 20 | 150 | |
| Hexachlorobenzene | 0.41 | | 0.34 | ug/L | 83 | | | | 31 | 160 | |
| Atrazine | 0.41 | | 0.32 | ug/L | 78 | | | | 20 | 150 | |
| Pentachlorophenol | 0.82 | | 0.69 | ug/L | 84 | | | | 10 | 179 | |
| Phenanthrene | 0.41 | | 0.34 | ug/L | 83 | | | | 64 | 129 | |
| Anthracene | 0.41 | | 0.33 | ug/L | 80 | | | | 67 | 127 | |
| Fluoranthene | 0.41 | | 0.34 | ug/L | 83 | | | | 55 | 140 | |
| Pyrene | 0.41 | | 0.35 | ug/L | 85 | | | | 59 | 137 | |
| Benzo(a)anthracene | 0.41 | | 0.37 | ug/L | 90 | | | | 51 | 146 | |
| Chrysene | 0.41 | 0 | 0.38 | ug/L | 93 | | | | 61 | 126 | |
| bis(2-Ethylhexyl)phthalate | 0.41 | 0 | 0.39 | ug/L | 95 | | | | 35 | 175 | |
| Benzo(b)fluoranthene | 0.41 | 0.03 | 0.37 | ug/L | 83 | | | | 60 | 123 | |
| Benzo(k)fluoranthene | 0.41 | 0.03 | 0.41 | ug/L | 93 | | | | 61 | 122 | |
| Benzo(a)pyrene | 0.41 | | 0.39 | ug/L | 95 | | | | 54 | 129 | |
| Indeno(1,2,3-cd)pyrene | 0.41 | 0 | 0.44 | ug/L | 107 | | | | 50 | 134 | |
| Dibenz(a,h)anthracene | 0.41 | | 0.44 | ug/L | 107 | | | | 53 | 121 | |
| Benzo(g,h,i)perylene | 0.41 | | 0.4 | ug/L | 98 | | | | 44 | 132 | |
| 1,4-Dioxane | 0.41 | 1.1 | 0.98 | ug/L | -29 | * | | | 10 | 175 | |

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## Matrix Spike/Matrix Spike Duplicate Summary

**SW-846**

**SDG No.:** BN062524

**Client:**

**Analytical Method:** 8270-Modified

| Parameter | Spike | Sample Result | Result | Units | Rec | Rec Qual | RPD | RPD Qual | Limits Low | Limits High | RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Lab Sample ID: P3034-03MSD** | | **Client Sample ID: GWBR-05-187-208-062124MSD** | | | | | | **DataFile: BN032254.D** | | | |
| n-Nitrosodimethylamine | 4.1 | | 1.1 | ug/L | 27 | | 0 | | 10 | 158 | 20 |
| bis(2-Chloroethyl)ether | 4.1 | | 2.5 | ug/L | 61 | | 0 | | 27 | 159 | 20 |
| Naphthalene | 4.1 | | 2.9 | ug/L | 71 | | 0 | | 62 | 119 | 20 |
| Hexachlorobutadiene | 4.1 | | 3.1 | ug/L | 76 | | 4 | | 14 | 140 | 20 |
| 2-Methylnaphthalene | 4.1 | | 2.8 | ug/L | 68 | * | 0 | | 70 | 118 | 20 |
| Acenaphthylene | 4.1 | | 3 | ug/L | 73 | | 0 | | 53 | 123 | 20 |
| Acenaphthene | 4.1 | | 2.9 | ug/L | 71 | | 4 | | 57 | 122 | 20 |
| Total PAH | 65.6 | 0 | 58 | ug/L | 88 | | 1 | | 57 | 122 | 20 |
| Fluorene | 4.1 | | 2.8 | ug/L | 68 | | 0 | | 58 | 123 | 20 |
| 4,6-Dinitro-2-methylphenol | 4.1 | | 3.1 | ug/L | 76 | | 4 | | 20 | 150 | 20 |
| 4-Bromophenyl-phenylether | 4.1 | | 3.2 | ug/L | 78 | | 0 | | 20 | 150 | 20 |
| Hexachlorobenzene | 4.1 | | 3.5 | ug/L | 85 | | 2 | | 31 | 160 | 20 |
| Atrazine | 4.1 | | 3.2 | ug/L | 78 | | 0 | | 20 | 150 | 20 |
| Pentachlorophenol | 8.2 | | 7.2 | ug/L | 88 | | 5 | | 10 | 179 | 20 |
| Phenanthrene | 4.1 | | 3.5 | ug/L | 85 | | 2 | | 64 | 129 | 20 |
| Anthracene | 4.1 | | 3.4 | ug/L | 83 | | 4 | | 67 | 127 | 20 |
| Fluoranthene | 4.1 | | 3.6 | ug/L | 88 | | 6 | | 55 | 140 | 20 |
| Pyrene | 4.1 | | 3.5 | ug/L | 85 | | 0 | | 59 | 137 | 20 |
| Benzo(a)anthracene | 4.1 | | 3.8 | ug/L | 93 | | 3 | | 51 | 146 | 20 |
| Chrysene | 4.1 | 0 | 3.9 | ug/L | 95 | | 2 | | 61 | 126 | 20 |
| bis(2-Ethylhexyl)phthalate | 4.1 | 0 | 3.9 | ug/L | 95 | | 0 | | 35 | 175 | 20 |
| Benzo(b)fluoranthene | 4.1 | 0.03 | 3.8 | ug/L | 92 | | 10 | | 60 | 123 | 20 |
| Benzo(k)fluoranthene | 4.1 | 0.03 | 4.1 | ug/L | 99 | | 6 | | 61 | 122 | 20 |
| Benzo(a)pyrene | 4.1 | | 3.9 | ug/L | 95 | | 0 | | 54 | 129 | 20 |
| Indeno(1,2,3-cd)pyrene | 4.1 | 0 | 4.4 | ug/L | 107 | | 0 | | 50 | 134 | 20 |
| Dibenz(a,h)anthracene | 4.1 | | 4.4 | ug/L | 107 | | 0 | | 53 | 121 | 20 |
| Benzo(g,h,i)perylene | 4.1 | | 4.1 | ug/L | 100 | | 2 | | 44 | 132 | 20 |
| 1,4-Dioxane | 4.1 | 1.1 | 9.9 | ug/L | 215 | * | 262 | * | 10 | 175 | 20 |

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# Surrogate Summary

**SW-846**

**SDG No.:** BN062524

**Client:**

**Analytical Method:** 8270-Modified

| Lab Sample ID | Client ID | Datafile | Parameter | Spike (PPM) | Result (PPM) | Recovery (%) | Qual | Limits (%) Low | Limits (%) High |
|---|---|---|---|---|---|---|---|---|---|
| PB161510BS | PB161510BS | BN032256.D | 2-Methylnaphthalene-d10 | 0.4 | 0.34 | 84 | | 30 | 150 |
| | | | Fluoranthene-d10 | 0.4 | 0.34 | 86 | | 30 | 150 |
| | | | 2-Fluorophenol | 0.4 | 0.35 | 87 | | 10 | 92 |
| | | | Phenol-d6 | 0.4 | 0.31 | 77 | | 10 | 100 |
| | | | Nitrobenzene-d5 | 0.4 | 0.35 | 87 | | 11 | 175 |
| | | | 2-Fluorobiphenyl | 0.4 | 0.37 | 93 | | 10 | 175 |
| | | | 2,4,6-Tribromophenol | 0.4 | 0.33 | 83 | | 24 | 148 |
| | | | Terphenyl-d14 | 0.4 | 0.34 | 85 | | 54 | 171 |

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# Surrogate Summary

**SW-846**

**SDG No.:** BN062524

**Client:**

**Analytical Method:** 8270-Modified

| Lab Sample ID | Client ID | Datafile | Parameter | Spike (PPM) | Result (PPM) | Recovery (%) | Qual | Limits (%) Low | Limits (%) High |
|---|---|---|---|---|---|---|---|---|---|
| P3034-01 | GWBR-05-187-208 | BN032252.D | 2-Methylnaphthalene-d10 | 0.4 | 0.29 | 73 | | 30 | 150 |
| | | | Fluoranthene-d10 | 0.4 | 0.38 | 95 | | 30 | 150 |
| | | | 2-Fluorophenol | 0.4 | 0.15 | 38 | | 10 | 92 |
| | | | Phenol-d6 | 0.4 | 0.06 | 14 | | 10 | 100 |
| | | | Nitrobenzene-d5 | 0.4 | 0.29 | 72 | | 11 | 175 |
| | | | 2-Fluorobiphenyl | 0.4 | 0.32 | 79 | | 10 | 175 |
| | | | 2,4,6-Tribromophenol | 0.4 | 0.36 | 89 | | 24 | 148 |
| | | | Terphenyl-d14 | 0.4 | 0.33 | 81 | | 54 | 171 |
| P3034-02MS | GWBR-05-187-208 | BN032253.D | 2-Methylnaphthalene-d10 | 0.4 | 0.36 | 90 | | 30 | 150 |
| | | | Fluoranthene-d10 | 0.4 | 0.34 | 84 | | 30 | 150 |
| | | | 2-Fluorophenol | 0.4 | 0.14 | 35 | | 10 | 92 |
| | | | Phenol-d6 | 0.4 | 0.07 | 17 | | 10 | 100 |
| | | | Nitrobenzene-d5 | 0.4 | 0.28 | 69 | | 11 | 175 |
| | | | 2-Fluorobiphenyl | 0.4 | 0.31 | 77 | | 10 | 175 |
| | | | 2,4,6-Tribromophenol | 0.4 | 0.31 | 77 | | 24 | 148 |
| | | | Terphenyl-d14 | 0.4 | 0.32 | 80 | | 54 | 171 |
| P3034-03MSD | GWBR-05-187-208 | BN032254.D | 2-Methylnaphthalene-d10 | 0.4 | 0.35 | 86 | | 30 | 150 |
| | | | Fluoranthene-d10 | 0.4 | 0.35 | 88 | | 30 | 150 |
| | | | 2-Fluorophenol | 0.4 | 0.14 | 35 | | 10 | 92 |
| | | | Phenol-d6 | 0.4 | 0.07 | 16 | | 10 | 100 |
| | | | Nitrobenzene-d5 | 0.4 | 0.28 | 70 | | 11 | 175 |
| | | | 2-Fluorobiphenyl | 0.4 | 0.31 | 77 | | 10 | 175 |
| | | | 2,4,6-Tribromophenol | 0.4 | 0.31 | 79 | | 24 | 148 |
| | | | Terphenyl-d14 | 0.4 | 0.32 | 80 | | 54 | 171 |
| P3034-04 | EB-01-062124 | BN032255.D | 2-Methylnaphthalene-d10 | 0.4 | 0.27 | 67 | | 30 | 150 |
| | | | Fluoranthene-d10 | 0.4 | 0.37 | 91 | | 30 | 150 |
| | | | 2-Fluorophenol | 0.4 | 0.14 | 35 | | 10 | 92 |
| | | | Phenol-d6 | 0.4 | 0.06 | 15 | | 10 | 100 |
| | | | Nitrobenzene-d5 | 0.4 | 0.26 | 64 | | 11 | 175 |
| | | | 2-Fluorobiphenyl | 0.4 | 0.29 | 71 | | 10 | 175 |
| | | | 2,4,6-Tribromophenol | 0.4 | 0.32 | 79 | | 24 | 148 |
| | | | Terphenyl-d14 | 0.4 | 0.33 | 82 | | 54 | 171 |
| PB161660BL | PB161660BL | BN032250.D | 2-Methylnaphthalene-d10 | 0.4 | 0.31 | 78 | | 30 | 150 |
| | | | Fluoranthene-d10 | 0.4 | 0.35 | 88 | | 30 | 150 |
| | | | 2-Fluorophenol | 0.4 | 0.36 | 90 | | 10 | 92 |
| | | | Phenol-d6 | 0.4 | 0.26 | 65 | | 10 | 100 |
| | | | Nitrobenzene-d5 | 0.4 | 0.32 | 80 | | 11 | 175 |
| | | | 2-Fluorobiphenyl | 0.4 | 0.34 | 86 | | 10 | 175 |
| | | | 2,4,6-Tribromophenol | 0.4 | 0.29 | 72 | | 24 | 148 |
| | | | Terphenyl-d14 | 0.4 | 0.31 | 78 | | 54 | 171 |
| PB161660BS | PB161660BS | BN032251.D | 2-Methylnaphthalene-d10 | 0.4 | 0.41 | 102 | | 30 | 150 |
| | | | Fluoranthene-d10 | 0.4 | 0.34 | 85 | | 30 | 150 |
| | | | 2-Fluorophenol | 0.4 | 0.33 | 83 | | 10 | 92 |
| | | | Phenol-d6 | 0.4 | 0.28 | 70 | | 10 | 100 |
| | | | Nitrobenzene-d5 | 0.4 | 0.33 | 81 | | 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 | 0.32 | 80 | | 54 | 171 |

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# Surrogate Summary

**SW-846**

**SDG No.:** BN062524

**Client:**

**Analytical Method:** 8270-Modified

| Lab Sample ID | Client ID | Datafile | Parameter | Spike (PPM) | Result (PPM) | Recovery (%) | Qual | Limits (%) Low | Limits (%) High |
|---|---|---|---|---|---|---|---|---|---|
| P3054-01 | GWBR-05-257-278 | BN032259.D | 2-Methylnaphthalene-d10 | 0.4 | 0.24 | 60 | | 30 | 150 |
| | | | Fluoranthene-d10 | 0.4 | 0.31 | 78 | | 30 | 150 |
| | | | 2-Fluorophenol | 0.4 | 0.16 | 40 | | 10 | 92 |
| | | | Phenol-d6 | 0.4 | 0.07 | 18 | | 10 | 100 |
| | | | Nitrobenzene-d5 | 0.4 | 0.24 | 59 | | 11 | 175 |
| | | | 2-Fluorobiphenyl | 0.4 | 0.30 | 74 | | 10 | 175 |
| | | | 2,4,6-Tribromophenol | 0.4 | 0.30 | 74 | | 24 | 148 |
| | | | Terphenyl-d14 | 0.4 | 0.36 | 90 | | 54 | 171 |
| P3054-02 | GWBR-05-257-278 | BN032260.D | 2-Methylnaphthalene-d10 | 0.4 | 0.27 | 67 | | 30 | 150 |
| | | | Fluoranthene-d10 | 0.4 | 0.31 | 78 | | 30 | 150 |
| | | | 2-Fluorophenol | 0.4 | 0.18 | 44 | | 10 | 92 |
| | | | Phenol-d6 | 0.4 | 0.09 | 22 | | 10 | 100 |
| | | | Nitrobenzene-d5 | 0.4 | 0.27 | 68 | | 11 | 175 |
| | | | 2-Fluorobiphenyl | 0.4 | 0.34 | 86 | | 10 | 175 |
| | | | 2,4,6-Tribromophenol | 0.4 | 0.31 | 77 | | 24 | 148 |
| | | | Terphenyl-d14 | 0.4 | 0.35 | 86 | | 54 | 171 |
| P3054-04 | GWBR-05-281-302 | BN032261.D | 2-Methylnaphthalene-d10 | 0.4 | 0.28 | 71 | | 30 | 150 |
| | | | Fluoranthene-d10 | 0.4 | 0.33 | 82 | | 30 | 150 |
| | | | 2-Fluorophenol | 0.4 | 0.18 | 45 | | 10 | 92 |
| | | | Phenol-d6 | 0.4 | 0.07 | 19 | | 10 | 100 |
| | | | Nitrobenzene-d5 | 0.4 | 0.27 | 68 | | 11 | 175 |
| | | | 2-Fluorobiphenyl | 0.4 | 0.36 | 89 | | 10 | 175 |
| | | | 2,4,6-Tribromophenol | 0.4 | 0.30 | 75 | | 24 | 148 |
| | | | Terphenyl-d14 | 0.4 | 0.36 | 90 | | 54 | 171 |
| P3056-02 | BP-VPB-196-GW-( | BN032262.D | 2-Methylnaphthalene-d10 | 0.4 | 0.16 | 41 | | 30 | 150 |
| | | | Fluoranthene-d10 | 0.4 | 0.21 | 53 | | 30 | 150 |
| | | | 2-Fluorophenol | 0.4 | 0.15 | 38 | | 10 | 92 |
| | | | Phenol-d6 | 0.4 | 0.08 | 19 | | 10 | 100 |
| | | | Nitrobenzene-d5 | 0.4 | 0.17 | 42 | | 11 | 175 |
| | | | 2-Fluorobiphenyl | 0.4 | 0.19 | 47 | | 10 | 175 |
| | | | 2,4,6-Tribromophenol | 0.4 | 0.19 | 48 | | 24 | 148 |
| | | | Terphenyl-d14 | 0.4 | 0.19 | 48 | * | 54 | 171 |
| P3056-04 | BP-VPB-196-GW-( | BN032263.D | 2-Methylnaphthalene-d10 | 0.4 | 0.18 | 46 | | 30 | 150 |
| | | | Fluoranthene-d10 | 0.4 | 0.22 | 56 | | 30 | 150 |
| | | | 2-Fluorophenol | 0.4 | 0.13 | 32 | | 10 | 92 |
| | | | Phenol-d6 | 0.4 | 0.07 | 17 | | 10 | 100 |
| | | | Nitrobenzene-d5 | 0.4 | 0.19 | 47 | | 11 | 175 |
| | | | 2-Fluorobiphenyl | 0.4 | 0.24 | 60 | | 10 | 175 |
| | | | 2,4,6-Tribromophenol | 0.4 | 0.25 | 63 | | 24 | 148 |
| | | | Terphenyl-d14 | 0.4 | 0.24 | 60 | | 54 | 171 |
| P3056-07 | BP-VPB-196-GW-7 | BN032264.D | 2-Methylnaphthalene-d10 | 0.4 | 0.23 | 57 | | 30 | 150 |
| | | | Fluoranthene-d10 | 0.4 | 0.17 | 43 | | 30 | 150 |
| | | | 2-Fluorophenol | 0.4 | 0.18 | 46 | | 10 | 92 |
| | | | Phenol-d6 | 0.4 | 0.18 | 45 | | 10 | 100 |
| | | | Nitrobenzene-d5 | 0.4 | 0.21 | 52 | | 11 | 175 |
| | | | 2-Fluorobiphenyl | 0.4 | 0.25 | 62 | | 10 | 175 |
| | | | 2,4,6-Tribromophenol | 0.4 | 0.20 | 51 | | 24 | 148 |
| | | | Terphenyl-d14 | 0.4 | 0.17 | 42 | * | 54 | 171 |
| PB161693BS | PB161693BS | BN032257.D | 2-Methylnaphthalene-d10 | 0.4 | 0.34 | 86 | | 30 | 150 |

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# Surrogate Summary

**SW-846**

**SDG No.:** BN062524

**Client:**

**Analytical Method:** 8270-Modified

| Lab Sample ID | Client ID | Datafile | Parameter | Spike (PPM) | Result (PPM) | Recovery (%) | Qual | Limits (%) Low | Limits (%) High |
|---|---|---|---|---|---|---|---|---|---|
| PB161693BS | PB161693BS | BN032257.D | Fluoranthene-d10 | 0.4 | 0.34 | 86 | | 30 | 150 |
| | | | 2-Fluorophenol | 0.4 | 0.35 | 88 | | 10 | 92 |
| | | | Phenol-d6 | 0.4 | 0.32 | 79 | | 10 | 100 |
| | | | Nitrobenzene-d5 | 0.4 | 0.35 | 87 | | 11 | 175 |
| | | | 2-Fluorobiphenyl | 0.4 | 0.37 | 92 | | 10 | 175 |
| | | | 2,4,6-Tribromophenol | 0.4 | 0.35 | 88 | | 24 | 148 |
| | | | Terphenyl-d14 | 0.4 | 0.35 | 87 | | 54 | 171 |
| PB161693BSD | PB161693BSD | BN032258.D | 2-Methylnaphthalene-d10 | 0.4 | 0.34 | 84 | | 30 | 150 |
| | | | Fluoranthene-d10 | 0.4 | 0.36 | 89 | | 30 | 150 |
| | | | 2-Fluorophenol | 0.4 | 0.36 | 89 | | 10 | 92 |
| | | | Phenol-d6 | 0.4 | 0.31 | 78 | | 10 | 100 |
| | | | Nitrobenzene-d5 | 0.4 | 0.35 | 86 | | 11 | 175 |
| | | | 2-Fluorobiphenyl | 0.4 | 0.37 | 92 | | 10 | 175 |
| | | | 2,4,6-Tribromophenol | 0.4 | 0.35 | 86 | | 24 | 148 |
| | | | Terphenyl-d14 | 0.4 | 0.33 | 81 | | 54 | 171 |

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: BN062524

Lab Code: CHEM SAS No.: BN062524 SDG NO.: BN062524

Lab File ID: BN032248.D DFTPP Injection Date: 06/25/2024

Instrument ID: BNA_N DFTPP Injection Time: 20:14

| m/e | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|---|---|---|
| 51 | 10.0 - 80.0% of mass 198 | 26.5 |
| 68 | Less than 2.0% of mass 69 | 0.6 ( 1.9 ) 1 |
| 69 | Mass 69 relative abundance | 30.9 |
| 70 | Less than 2.0% of mass 69 | 0.1 ( 0.4 ) 1 |
| 127 | 10.0 - 80.0% of mass 198 | 44.4 |
| 197 | Less than 2.0% of mass 198 | 0.2 |
| 198 | Base Peak, 100% relative abundance | 100 |
| 199 | 5.0 to 9.0% of mass 198 | 6.6 |
| 275 | 10.0 - 60.0% of mass 198 | 26.2 |
| 365 | Greater than 1% of mass 198 | 3.1 |
| 441 | Present, but less than mass 443 | 10.6 |
| 442 | Greater than 50% of mass 198 | 69.5 |
| 443 | 15.0 - 24.0% of mass 442 | 13.6 (19.6) 2 |

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

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

| EPA SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|---|---|---|---|---|
| SSTDCCC0.4 | SSTDCCC0.4 | BN032249.D | 06/25/2024 | 20:53 |
| PB161660BL | PB161660BL | BN032250.D | 06/25/2024 | 22:06 |
| PB161660BS | PB161660BS | BN032251.D | 06/25/2024 | 22:42 |
| GWBR-05-187-208-062124 | P3034-01 | BN032252.D | 06/25/2024 | 23:18 |
| GWBR-05-187-208-062124MS | P3034-02MS | BN032253.D | 06/25/2024 | 23:54 |
| GWBR-05-187-208-062124MSD | P3034-03MSD | BN032254.D | 06/26/2024 | 00:31 |
| EB-01-062124 | P3034-04 | BN032255.D | 06/26/2024 | 01:07 |
| PB161510BS | PB161510BS | BN032256.D | 06/26/2024 | 01:43 |
| PB161693BS | PB161693BS | BN032257.D | 06/26/2024 | 02:19 |
| PB161693BSD | PB161693BSD | BN032258.D | 06/26/2024 | 02:55 |
| GWBR-05-257-278-062424 | P3054-01 | BN032259.D | 06/26/2024 | 03:31 |
| GWBR-05-257-278-062424-FD | P3054-02 | BN032260.D | 06/26/2024 | 04:07 |
| GWBR-05-281-302-062424 | P3054-04 | BN032261.D | 06/26/2024 | 04:43 |
| BP-VPB-196-GW-665-667 | P3056-02 | BN032262.D | 06/26/2024 | 05:19 |
| BP-VPB-196-GW-680-682 | P3056-04 | BN032263.D | 06/26/2024 | 05:55 |
| BP-VPB-196-GW-700-702 | P3056-07 | BN032264.D | 06/26/2024 | 06:31 |
| SSTDCCC0.4EC | SSTDCCC0.4 | BN032265.D | 06/26/2024 | 07:07 |

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: BN062524

Lab Code: CHEM SAS No.: BN062524 SDG NO.: BN062524

Lab File ID: BN032266.D DFTPP Injection Date: 06/26/2024

Instrument ID: BNA_N DFTPP Injection Time: 08:23

| m/e | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|---|---|---|
| 51 | 10.0 - 80.0% of mass 198 | 28.1 |
| 68 | Less than 2.0% of mass 69 | 0.5 ( 1.7 ) 1 |
| 69 | Mass 69 relative abundance | 32.9 |
| 70 | Less than 2.0% of mass 69 | 0.2 ( 0.5 ) 1 |
| 127 | 10.0 - 80.0% of mass 198 | 46.1 |
| 197 | Less than 2.0% of mass 198 | 0.4 |
| 198 | Base Peak, 100% relative abundance | 100 |
| 199 | 5.0 to 9.0% of mass 198 | 6.8 |
| 275 | 10.0 - 60.0% of mass 198 | 26 |
| 365 | Greater than 1% of mass 198 | 3.3 |
| 441 | Present, but less than mass 443 | 10.8 |
| 442 | Greater than 50% of mass 198 | 63.7 |
| 443 | 15.0 - 24.0% of mass 442 | 11.9 (18.7) 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 | BN032267.D | 06/26/2024 | 09:02 |