Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070125\
Data File : BM050330.D
Acq On : 01 Jul 2025 16:56
Operator : RC/JU
Sample : Q2117-01
Misc : MDL-WATER-4 PPM
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jul 01 17:33:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM070125.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Jul 01 15:14:38 2025
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
MDL-WATER-QT2-2025-03

**Manual Integrations APPROVED**

Reviewed By :Rahul Chavli
07/02/2025
Supervised By :Jagrut Upadhyay
07/02/2025

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.869 | 152 | 410011 | 20.000 | ng/ul | 0.00 |
| 20) Naphthalene-d8 | 10.663 | 136 | 1485752 | 20.000 | ng/ul | 0.00 |
| 38) Acenaphthene-d10 | 14.492 | 164 | 887415 | 20.000 | ng/ul | 0.00 |
| 64) Phenanthrene-d10 | 17.227 | 188 | 1656277 | 20.000 | ng/ul | 0.00 |
| 79) Chrysene-d12 | 21.450 | 240 | 1697431 | 20.000 | ng/ul | 0.00 |
| 88) Perylene-d12 | 24.491 | 264 | 1768490 | 20.000 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.304 | 96 | 44097 | 4.439 | ng/uL | 0.00 |
| 4) Pyridine-d5 | 3.710 | 84 | 450662 | 16.757 | ng/ul | 0.00 |
| 7) Phenol-d5 | 7.022 | 99 | 495606 | 16.673 | ng/ul | 0.00 |
| 9) Bis-(2-Chloroethyl)eth... | 7.192 | 67 | 335317 | 17.789 | ng/ul | 0.00 |
| 11) 2-Chlorophenol-d4 | 7.398 | 132 | 402668 | 16.632 | ng/ul | 0.00 |
| 15) 4-Methylphenol-d8 | 8.563 | 113 | 364920 | 16.114 | ng/ul | 0.00 |
| 21) Nitrobenzene-d5 | 9.016 | 128 | 167582 | 16.312 | ng/ul | 0.00 |
| 24) 2-Nitrophenol-d4 | 9.745 | 143 | 148459 | 15.503 | ng/ul | 0.00 |
| 28) 2,4-Dichlorophenol-d3 | 10.281 | 165 | 358511 | 15.404 | ng/ul | 0.00 |
| 31) 4-Chloroaniline-d4 | 10.786 | 131 | 504687 | 16.322 | ng/ul | 0.00 |
| 46) Dimethylphthalate-d6 | 13.898 | 166 | 954403 | 15.790 | ng/ul | 0.00 |
| 49) Acenaphthylene-d8 | 14.186 | 160 | 1197685 | 16.183 | ng/ul | 0.00 |
| 54) 4-Nitrophenol-d4 | 14.663 | 143 | 145611 | 13.404 | ng/ul | 0.00 |
| 60) Fluorene-d10 | 15.480 | 176 | 870900 | 15.872 | ng/ul | 0.00 |
| 65) 4,6-Dinitro-2-methylph... | 15.586 | 200 | 71922 | 10.054 | ng/ul | 0.00 |
| 73) Anthracene-d10 | 17.327 | 188 | 1314855 | 16.009 | ng/ul | 0.00 |
| 81) Pyrene-d10 | 19.603 | 212 | 1460250 | 16.104 | ng/ul | 0.00 |
| 92) Benzo(a)pyrene-d12 | 24.280 | 264 | 1471831 | 16.416 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.340 | 88 | 16983 | 1.647 | ng/uL | 96 |
| 5) Pyridine | 3.734 | 79 | 136417 | 4.862 | ng/ul | 90 |
| 6) Benzaldehyde | 7.004 | 77 | 96467m | 5.882 | ng/ul | |
| 8) Phenol | 7.045 | 94 | 149615 | 4.803 | ng/ul | 99 |
| 10) Bis(2-Chloroethyl)ether | 7.287 | 93 | 122671 | 5.014 | ng/ul | 99 |
| 12) 2-Chlorophenol | 7.428 | 128 | 119445 | 4.704 | ng/ul | 99 |
| 13) 2-Methylphenol | 8.298 | 108 | 97950 | 4.359 | ng/ul | 96 |
| 14) 2,2'-oxybis(1-Chloropr... | 8.392 | 45 | 191184 | 5.004 | ng/ul | 100 |
| 16) Acetophenone | 8.686 | 105 | 175785 | 4.842 | ng/ul | 98 |
| 17) N-Nitroso-di-n-propyla... | 8.669 | 70 | 80405 | 4.269 | ng/ul | 96 |
| 18) 4-Methylphenol | 8.622 | 108 | 110438 | 4.524 | ng/ul | 99 |
| 19) Hexachloroethane | 8.957 | 117 | 50874 | 4.859 | ng/ul | 100 |
| 22) Nitrobenzene | 9.057 | 77 | 128417 | 4.837 | ng/ul | 99 |
| 23) Isophorone | 9.586 | 82 | 204616 | 4.220 | ng/ul | 98 |
| 25) 2-Nitrophenol | 9.775 | 139 | 49121 | 4.330 | ng/ul | 99 |
| 26) 2,4-Dimethylphenol | 9.833 | 107 | 102282 | 4.029 | ng/ul | 99 |
| 27) Bis(2-Chloroethoxy)met... | 10.075 | 93 | 142805 | 4.566 | ng/ul | 99 |
| 29) 2,4-Dichlorophenol | 10.304 | 162 | 103902 | 4.484 | ng/ul | 96 |
| 30) Naphthalene | 10.716 | 128 | 363853 | 4.762 | ng/ul | 99 |
| 32) 4-Chloroaniline | 10.810 | 127 | 144889 | 4.631 | ng/ul | 97 |
| 33) Hexachlorobutadiene | 11.010 | 225 | 76422 | 4.697 | ng/ul | 95 |
| 34) Caprolactam | 11.557 | 113 | 31961m | 4.742 | ng/ul | |
| 35) 4-Chloro-3-methylphenol | 11.927 | 107 | 83463 | 3.939 | ng/ul | 99 |
| 36) 2-Methylnaphthalene | 12.322 | 142 | 233737 | 4.399 | ng/ul | 98 |

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ALS Vial : 10 Sample Multiplier: 1

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**Instrument :**
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| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 37) 1-Methylnaphthalene | 12.545 | 142 | 229568 | 4.363 | ng/ul | 96 |
| 39) 1,2,4,5-Tetrachloroben... | 12.692 | 216 | 131227 | 4.546 | ng/ul | 99 |
| 40) Hexachlorocyclopentadiene | 12.680 | 237 | 79849 | 5.305 | ng/ul | 98 |
| 41) 2,4,6-Trichlorophenol | 12.922 | 196 | 64830 | 3.918 | ng/ul | 96 |
| 42) 2,4,5-Trichlorophenol | 12.992 | 196 | 71079 | 3.864 | ng/ul | 96 |
| 43) 1,1'-Biphenyl | 13.333 | 154 | 298661 | 4.569 | ng/ul | 100 |
| 44) 2-Chloronaphthalene | 13.369 | 162 | 243582 | 4.653 | ng/ul | 97 |
| 45) 2-Nitroaniline | 13.563 | 65 | 43567 | 3.604 | ng/ul | 97 |
| 47) Dimethylphthalate | 13.945 | 163 | 270573 | 4.499 | ng/ul | 99 |
| 48) 2,6-Dinitrotoluene | 14.057 | 165 | 31297 | 3.186 | ng/ul | 91 |
| 50) Acenaphthylene | 14.216 | 152 | 385777 | 4.679 | ng/ul | 99 |
| 51) 3-Nitroaniline | 14.380 | 138 | 38463 | 3.614 | ng/ul# | 98 |
| 52) Acenaphthene | 14.557 | 153 | 247445 | 4.638 | ng/ul | 97 |
| 53) 2,4-Dinitrophenol | 14.586 | 184 | 21601 | 4.905 | ng/ul | 94 |
| 55) 4-Nitrophenol | 14.674 | 109 | 47819 | 5.624 | ng/ul | 95 |
| 56) Dibenzofuran | 14.892 | 168 | 355905 | 4.633 | ng/ul | 99 |
| 57) 2,4-Dinitrotoluene | 14.839 | 165 | 50286 | 3.430 | ng/ul | 95 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.110 | 232 | 52807 | 3.716 | ng/ul | 97 |
| 59) Diethylphthalate | 15.310 | 149 | 243553 | 4.310 | ng/ul | 98 |
| 61) Fluorene | 15.539 | 166 | 283783 | 4.448 | ng/ul | 100 |
| 62) 4-Chlorophenyl-phenyle... | 15.533 | 204 | 145369 | 4.458 | ng/ul | 99 |
| 63) 4-Nitroaniline | 15.533 | 138 | 40687 | 3.868 | ng/ul# | 87 |
| 66) 4,6-Dinitro-2-methylph... | 15.598 | 198 | 24834 | 3.084 | ng/ul | 94 |
| 67) N-Nitrosodiphenylamine | 15.739 | 169 | 222106 | 4.363 | ng/ul | 99 |
| 68) 4-Bromophenyl-phenylether | 16.427 | 248 | 76650 | 4.249 | ng/ul | 95 |
| 69) Hexachlorobenzene | 16.539 | 284 | 98102 | 4.528 | ng/ul | 97 |
| 70) Atrazine | 16.686 | 200 | 109982 | 6.318 | ng/ul | 95 |
| 71) Pentachlorophenol | 16.874 | 266 | 71996 | 5.848 | ng/ul | 97 |
| 72) Phenanthrene | 17.268 | 178 | 429944 | 4.560 | ng/ul | 99 |
| 74) Anthracene | 17.362 | 178 | 427646 | 4.482 | ng/ul | 99 |
| 75) 1,2,3,4-Tetrachloroben... | 13.298 | 216 | 129259 | 4.610 | ng/uL | 98 |
| 76) Pentachlorobenzene | 14.816 | 250 | 122915 | 4.656 | ng/uL | 99 |
| 77) Carbazole | 17.621 | 167 | 364418 | 4.365 | ng/ul | 99 |
| 78) Di-n-butylphthalate | 18.198 | 149 | 333751 | 3.959 | ng/ul | 99 |
| 80) Fluoranthene | 19.274 | 202 | 439708 | 4.215 | ng/ul | 98 |
| 82) Pyrene | 19.633 | 202 | 507666 | 4.486 | ng/ul | 98 |
| 83) Butylbenzylphthalate | 20.533 | 149 | 107339 | 3.363 | ng/ul | 94 |
| 84) 3,3'-Dichlorobenzidine | 21.350 | 252 | 134124 | 4.357 | ng/ul | 96 |
| 85) Benzo(a)anthracene | 21.433 | 228 | 492974 | 4.451 | ng/ul | 99 |
| 86) Bis(2-ethylhexyl)phtha... | 21.374 | 149 | 179115 | 3.587 | ng/ul | 96 |
| 87) Chrysene | 21.492 | 228 | 477215 | 4.558 | ng/ul | 98 |
| 89) Di-n-octyl phthalate | 22.527 | 149 | 288899 | 3.265 | ng/ul | 100 |
| 90) Benzo(b)fluoranthene | 23.527 | 252 | 446591 | 4.188 | ng/ul | 97 |
| 91) Benzo(k)fluoranthene | 23.591 | 252 | 468485 | 4.312 | ng/ul | 100 |
| 93) Benzo(a)pyrene | 24.344 | 252 | 449508 | 4.402 | ng/ul | 98 |
| 94) Indeno(1,2,3-cd)pyrene | 27.926 | 276 | 547153 | 4.334 | ng/ul | 97 |
| 95) Dibenzo(a,h)anthracene | 27.985 | 278 | 456023 | 4.349 | ng/ul | 97 |
| 96) Benzo(g,h,i)perylene | 28.985 | 276 | 462334 | 4.553 | ng/ul | 99 |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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