Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090924\
Data File : BG062688.D
Acq On : 9 Sep 2024 14:21
Operator : JU/RC
Sample : SSTD00552
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
SSTD005438

Quant Time: Sep 10 01:00:59 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG090924.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Sep 10 00:41:25 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.908 | 152 | 66293 | 20.000 | ng/ul | 0.00 |
| 20) Naphthalene-d8 | 10.699 | 136 | 281739 | 20.000 | ng/ul | 0.00 |
| 38) Acenaphthene-d10 | 14.536 | 164 | 224986 | 20.000 | ng/ul | 0.00 |
| 64) Phenanthrene-d10 | 17.279 | 188 | 600173 | 20.000 | ng/ul | 0.00 |
| 79) Chrysene-d12 | 21.522 | 240 | 640624 | 20.000 | ng/ul | 0.00 |
| 88) Perylene-d12 | 24.589 | 264 | 676984 | 20.000 | ng/ul | 0.00 |
| System Monitoring Compounds | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.366 | 96 | 2469 | 1.676 | ng/uL | 0.00 |
| 4) Pyridine-d5 | 0.000 | 84 | 0d | 0.000 | ng/ul | |
| 7) Phenol-d5 | 0.000 | 99 | 0d | 0.000 | ng/ul | |
| 9) Bis-(2-Chloroethyl)eth... | 0.000 | 67 | 0d | 0.000 | ng/ul | |
| 11) 2-Chlorophenol-d4 | 7.438 | 132 | 19256 | 4.548 | ng/ul | 0.00 |
| 15) 4-Methylphenol-d8 | 0.000 | 113 | 0d | 0.000 | ng/ul | |
| 21) Nitrobenzene-d5 | 9.054 | 128 | 8564 | 4.253 | ng/ul | 0.00 |
| 24) 2-Nitrophenol-d4 | 9.776 | 143 | 8858 | 4.022 | ng/ul | 0.00 |
| 28) 2,4-Dichlorophenol-d3 | 10.323 | 165 | 21871 | 4.560 | ng/ul | 0.00 |
| 31) 4-Chloroaniline-d4 | 0.000 | 131 | 0d | 0.000 | ng/ul | |
| 46) Dimethylphthalate-d6 | 13.936 | 166 | 83733 | 4.833 | ng/ul | 0.00 |
| 49) Acenaphthylene-d8 | 14.224 | 160 | 89721 | 4.663 | ng/ul | 0.00 |
| 54) 4-Nitrophenol-d4 | 0.000 | 143 | 0d | 0.000 | ng/ul | |
| 60) Fluorene-d10 | 15.523 | 176 | 74769 | 4.789 | ng/ul | 0.00 |
| 65) 4,6-Dinitro-2-methylph... | 0.000 | 200 | 0d | 0.000 | ng/ul | |
| 73) Anthracene-d10 | 17.373 | 188 | 132706 | 4.685 | ng/ul | 0.00 |
| 81) Pyrene-d10 | 19.665 | 212 | 172284 | 4.779 | ng/ul | 0.00 |
| 92) Benzo(a)pyrene-d12 | 24.371 | 264 | 163278 | 4.568 | ng/ul | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.402 | 88 | 2954 | 1.797 | ng/uL# | 82 |
| 12) 2-Chlorophenol | 7.467 | 128 | 19357 | 4.471 | ng/ul | 95 |
| 17) N-Nitroso-di-n-propyla... | 8.707 | 70 | 17455 | 4.235 | ng/ul | 95 |
| 19) Hexachloroethane | 8.989 | 117 | 7826 | 4.490 | ng/ul | 96 |
| 22) Nitrobenzene | 9.101 | 77 | 23645 | 4.341 | ng/ul# | 94 |
| 23) Isophorone | 9.624 | 82 | 50429 | 4.528 | ng/ul | 100 |
| 25) 2-Nitrophenol | 9.812 | 139 | 9959 | 4.103 | ng/ul | 95 |
| 26) 2,4-Dimethylphenol | 9.870 | 107 | 23343 | 4.501 | ng/ul | 95 |
| 27) Bis(2-Chloroethoxy)met... | 10.105 | 93 | 28926 | 4.647 | ng/ul# | 96 |
| 29) 2,4-Dichlorophenol | 10.346 | 162 | 20589 | 4.359 | ng/ul# | 86 |
| 30) Naphthalene | 10.746 | 128 | 71568 | 4.738 | ng/ul | 97 |
| 33) Hexachlorobutadiene | 11.040 | 225 | 18737 | 4.762 | ng/ul | 88 |
| 35) 4-Chloro-3-methylphenol | 11.980 | 107 | 23211 | 4.505 | ng/ul | 97 |
| 36) 2-Methylnaphthalene | 12.356 | 142 | 52306 | 4.692 | ng/ul | 99 |
| 37) 1-Methylnaphthalene | 12.573 | 142 | 54807 | 4.799 | ng/ul | 95 |
| 39) 1,2,4,5-Tetrachloroben... | 12.726 | 216 | 35912 | 4.643 | ng/ul | 96 |
| 41) 2,4,6-Trichlorophenol | 12.967 | 196 | 21339 | 4.555 | ng/ul | 98 |
| 42) 2,4,5-Trichlorophenol | 13.037 | 196 | 21856 | 4.345 | ng/ul | 96 |
| 43) 1,1'-Biphenyl | 13.366 | 154 | 75888 | 4.797 | ng/ul | 97 |
| 44) 2-Chloronaphthalene | 13.407 | 162 | 60776 | 4.724 | ng/ul | 99 |
| 45) 2-Nitroaniline | 13.607 | 65 | 14421 | 4.085 | ng/ul | 96 |
| 47) Dimethylphthalate | 13.983 | 163 | 84606 | 4.742 | ng/ul | 99 |
| 48) 2,6-Dinitrotoluene | 14.101 | 165 | 12280 | 3.907 | ng/ul# | 85 |
| 50) Acenaphthylene | 14.254 | 152 | 96452 | 4.748 | ng/ul | 98 |

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|---|---|---|---|---|---|---|
| 52) Acenaphthene | 14.594 | 153 | 68994 | 4.795 | ng/ul | 96 |
| 56) Dibenzofuran | 14.929 | 168 | 102863 | 4.812 | ng/ul | 99 |
| 57) 2,4-Dinitrotoluene | 14.894 | 165 | 20259 | 4.122 | ng/ul# | 94 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.158 | 232 | 22654 | 4.444 | ng/ul | 95 |
| 59) Diethylphthalate | 15.352 | 149 | 83026 | 4.717 | ng/ul | 95 |
| 61) Fluorene | 15.581 | 166 | 83604 | 4.979 | ng/ul | 93 |
| 62) 4-Chlorophenyl-phenyle... | 15.576 | 204 | 48199 | 4.893 | ng/ul | 96 |
| 67) N-Nitrosodiphenylamine | 15.787 | 169 | 72428 | 4.705 | ng/ul | 95 |
| 68) 4-Bromophenyl-phenylether | 16.469 | 248 | 32456 | 4.699 | ng/ul | 96 |
| 69) Hexachlorobenzene | 16.586 | 284 | 37928 | 4.810 | ng/ul | 92 |
| 72) Phenanthrene | 17.321 | 178 | 150687 | 4.828 | ng/ul | 99 |
| 74) Anthracene | 17.409 | 178 | 151950 | 4.776 | ng/ul | 99 |
| 75) 1,2,3,4-Tetrachloroben... | 13.331 | 216 | 37176 | 4.536 | ng/ul | 89 |
| 76) Pentachlorobenzene | 14.853 | 250 | 44178 | 4.864 | ng/ul | 94 |
| 78) Di-n-butylphthalate | 18.243 | 149 | 143390 | 4.595 | ng/ul | 98 |
| 80) Fluoranthene | 19.336 | 202 | 191224 | 4.789 | ng/ul | 100 |
| 82) Pyrene | 19.694 | 202 | 211179 | 4.914 | ng/ul | 99 |
| 83) Butylbenzylphthalate | 20.587 | 149 | 54221 | 4.250 | ng/ul | 95 |
| 85) Benzo(a)anthracene | 21.504 | 228 | 215109 | 4.828 | ng/ul | 98 |
| 86) Bis(2-ethylhexyl)phtha... | 21.427 | 149 | 84138 | 4.479 | ng/ul | 95 |
| 87) Chrysene | 21.569 | 228 | 204996 | 4.850 | ng/ul | 99 |
| 90) Benzo(b)fluoranthene | 23.613 | 252 | 198372 | 4.746 | ng/ul | 97 |
| 91) Benzo(k)fluoranthene | 23.678 | 252 | 200678 | 4.689 | ng/ul | 97 |
| 93) Benzo(a)pyrene | 24.436 | 252 | 183605 | 4.657 | ng/ul | 97 |
| 94) Indeno(1,2,3-cd)pyrene | 28.026 | 276 | 221558 | 4.561 | ng/ul | 100 |
| 95) Dibenzo(a,h)anthracene | 28.090 | 278 | 175449 | 4.497 | ng/ul# | 95 |
| 96) Benzo(g,h,i)perylene | 29.107 | 276 | 178620 | 4.761 | ng/ul | 99 |

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

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