Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG010424\
Data File : BG060261.D
Acq On : 5 Jan 2024 2:26
Operator : MA/JU
Sample : 06045-02MS
Misc :
ALS Vial : 24 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
MR-300-0-2MS

**Manual Integrations APPROVED**
Reviewed By :Yogesh Patel 01/05/2024
Supervised By :mohammad ahmed 01/05/2024

Quant Time: Jan 05 03:07:18 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Dec 30 03:14:04 2023
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.941 | 152 | 190536 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.744 | 136 | 822209 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.574 | 164 | 642363 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.324 | 188 | 1624768 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.590 | 240 | 1478005 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 24.763 | 264 | 1629285 | 20.000 | ng | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.509 | 112 | 1777773 | 140.827 | ng | | 0.00 |
| 7) Phenol-d6 | 7.101 | 99 | 2507426 | 133.776 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.099 | 82 | 1709468 | 96.034 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.067 | 330 | 1353663 | 157.427 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.200 | 172 | 4012516 | 89.776 | ng | | 0.00 |
| 79) Terphenyl-d14 | 19.945 | 244 | 5702531 | 74.175 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.417 | 88 | 201527 | 35.882 | ng | # | 88 |
| 3) Pyridine | 3.816 | 79 | 484834 | 30.438 | ng | | 95 |
| 4) n-Nitrosodimethylamine | 3.722 | 42 | 234284 | 39.428 | ng | | 95 |
| 6) Aniline | 7.265 | 93 | 466370 | 24.834 | ng | | 100 |
| 8) 2-Chlorophenol | 7.500 | 128 | 589684 | 48.604 | ng | | 95 |
| 9) Benzaldehyde | 7.077 | 77 | 116169m | 10.309 | ng | | |
| 10) Phenol | 7.130 | 94 | 875054 | 46.296 | ng | | 96 |
| 11) bis(2-Chloroethyl)ether | 7.359 | 93 | 659780 | 43.137 | ng | | 94 |
| 12) 1,3-Dichlorobenzene | 7.824 | 146 | 600923 | 40.124 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 7.970 | 146 | 621254 | 41.031 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 8.294 | 146 | 620816 | 41.941 | ng | | 96 |
| 15) Benzyl Alcohol | 8.176 | 79 | 643001 | 55.269 | ng | | 97 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.458 | 45 | 822414m | 41.897 | ng | | |
| 17) 2-Methylphenol | 8.382 | 107 | 599752 | 50.675 | ng | | 97 |
| 18) Hexachloroethane | 9.016 | 117 | 197186 | 41.351 | ng | | 95 |
| 19) n-Nitroso-di-n-propyla... | 8.740 | 70 | 608641 | 47.533 | ng | | 96 |
| 20) 3+4-Methylphenols | 8.705 | 107 | 846386 | 50.458 | ng | | 97 |
| 22) Acetophenone | 8.758 | 105 | 1112692 | 45.676 | ng | # | 96 |
| 24) Nitrobenzene | 9.140 | 77 | 827106 | 45.414 | ng | | 97 |
| 25) Isophorone | 9.657 | 82 | 1679283 | 45.090 | ng | | 99 |
| 26) 2-Nitrophenol | 9.851 | 139 | 328132 | 51.631 | ng | | 93 |
| 27) 2,4-Dimethylphenol | 9.909 | 122 | 547007 | 60.763 | ng | | 98 |
| 28) bis(2-Chloroethoxy)met... | 10.144 | 93 | 1017360 | 46.640 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 10.391 | 162 | 756605 | 53.179 | ng | | 97 |
| 30) 1,2,4-Trichlorobenzene | 10.603 | 180 | 746115 | 43.086 | ng | | 99 |
| 31) Naphthalene | 10.791 | 128 | 1916219 | 44.145 | ng | | 100 |
| 32) Benzoic acid | 10.050 | 122 | 409789m | 50.309 | ng | | |
| 33) 4-Chloroaniline | 10.902 | 127 | 69746 | 4.114 | ng | | 94 |
| 34) Hexachlorobutadiene | 11.073 | 225 | 413701 | 40.169 | ng | | 95 |
| 35) Caprolactam | 11.666 | 113 | 218836m | 46.239 | ng | | |
| 36) 4-Chloro-3-methylphenol | 12.025 | 107 | 769421 | 52.548 | ng | | 99 |
| 37) 2-Methylnaphthalene | 12.401 | 142 | 1451528 | 46.296 | ng | | 97 |
| 38) 1-Methylnaphthalene | 12.618 | 142 | 1446416 | 45.629 | ng | | 98 |
| 40) 1,2,4,5-Tetrachloroben... | 12.765 | 216 | 960927 | 46.701 | ng | | 98 |
| 41) Hexachlorocyclopentadiene | 12.747 | 237 | 921617 | 138.573 | ng | | 99 |
| 43) 2,4,6-Trichlorophenol | 13.006 | 196 | 677052 | 50.073 | ng | | 98 |

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| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 13.082 | 196 | 756796 | 50.032 | ng | | 99 |
| 46) 1,1'-Biphenyl | 13.411 | 154 | 2251988 | 47.650 | ng | | 99 |
| 47) 2-Chloronaphthalene | 13.452 | 162 | 1854533 | 46.058 | ng | | 98 |
| 48) 2-Nitroaniline | 13.658 | 65 | 599238 | 56.947 | ng | | 99 |
| 49) Acenaphthylene | 14.298 | 152 | 3015537 | 51.978 | ng | | 97 |
| 50) Dimethylphthalate | 14.028 | 163 | 2415882 | 48.712 | ng | | 100 |
| 51) 2,6-Dinitrotoluene | 14.151 | 165 | 553622 | 53.668 | ng | | 99 |
| 52) Acenaphthene | 14.639 | 154 | 1707375 | 47.161 | ng | | 100 |
| 53) 3-Nitroaniline | 14.480 | 138 | 164267 | 16.900 | ng | | 97 |
| 54) 2,4-Dinitrophenol | 14.686 | 184 | 658906 | 106.630 | ng | | 96 |
| 55) Dibenzofuran | 14.974 | 168 | 2951660 | 48.673 | ng | | 98 |
| 56) 4-Nitrophenol | 14.792 | 139 | 817997 | 111.333 | ng | | 99 |
| 57) 2,4-Dinitrotoluene | 14.939 | 165 | 748896 | 53.390 | ng | | 100 |
| 58) Fluorene | 15.626 | 166 | 2429092 | 48.839 | ng | | 98 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.197 | 232 | 707642 | 53.674 | ng | | 99 |
| 60) Diethylphthalate | 15.397 | 149 | 2337684 | 49.427 | ng | | 98 |
| 61) 4-Chlorophenyl-phenyle... | 15.614 | 204 | 1254745 | 48.449 | ng | | 99 |
| 62) 4-Nitroaniline | 15.650 | 138 | 527538 | 51.494 | ng | | 97 |
| 63) Azobenzene | 15.908 | 77 | 2412357 | 49.197 | ng | | 99 |
| 65) 4,6-Dinitro-2-methylph... | 15.703 | 198 | 440074 | 54.130 | ng | | 98 |
| 66) n-Nitrosodiphenylamine | 15.832 | 169 | 2175529 | 49.689 | ng | | 98 |
| 67) 4-Bromophenyl-phenylether | 16.513 | 248 | 797381 | 46.289 | ng | | 99 |
| 68) Hexachlorobenzene | 16.625 | 284 | 936689 | 46.378 | ng | | 95 |
| 69) Atrazine | 16.778 | 200 | 843047 | 52.391 | ng | | 98 |
| 70) Pentachlorophenol | 16.972 | 266 | 1155897 | 104.180 | ng | | 97 |
| 71) Phenanthrene | 17.365 | 178 | 3848755 | 47.923 | ng | | 97 |
| 72) Anthracene | 17.459 | 178 | 3876814 | 48.598 | ng | | 96 |
| 73) Carbazole | 17.730 | 167 | 3620873 | 47.856 | ng | | 98 |
| 74) Di-n-butylphthalate | 18.288 | 149 | 3712004 | 50.626 | ng | | 97 |
| 75) Fluoranthene | 19.381 | 202 | 4283977 | 45.476 | ng | | 94 |
| 77) Benzidine | 19.563 | 184 | 602388 | 14.726 | ng | | 97 |
| 78) Pyrene | 19.745 | 202 | 4486580 | 45.158 | ng | | 93 |
| 80) Butylbenzylphthalate | 20.632 | 149 | 1783239 | 60.871 | ng | | 98 |
| 81) Benzo(a)anthracene | 21.572 | 228 | 4511492 | 48.009 | ng | | 93 |
| 82) 3,3'-Dichlorobenzidine | 21.490 | 252 | 852579 | 24.949 | ng | | 97 |
| 83) Chrysene | 21.637 | 228 | 4272136 | 46.794 | ng | | 95 |
| 84) Bis(2-ethylhexyl)phtha... | 21.478 | 149 | 2594371 | 58.397 | ng | | 98 |
| 85) Di-n-octyl phthalate | 22.671 | 149 | 4339363 | 59.671 | ng | | 99 |
| 87) Indeno(1,2,3-cd)pyrene | 28.388 | 276 | 5961269 | 51.896 | ng | # | 94 |
| 88) Benzo(b)fluoranthene | 23.758 | 252 | 4882640 | 49.868 | ng | | 97 |
| 89) Benzo(k)fluoranthene | 23.828 | 252 | 4660190 | 47.289 | ng | | 98 |
| 90) Benzo(a)pyrene | 24.616 | 252 | 4350612 | 49.114 | ng | | 98 |
| 91) Dibenzo(a,h)anthracene | 28.452 | 278 | 4883228 | 51.739 | ng | | 99 |
| 92) Benzo(g,h,i)perylene | 29.522 | 276 | 4716187 | 49.333 | ng | | 98 |

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

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