Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040523\
Data File : BG057002.D
Acq On : 5 Apr 2023 22:45
Operator : CG/JU
Sample : 02126-06MS
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Apr 06 02:05:06 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG033023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Apr 06 01:57:04 2023
Response via : Initial Calibration

**Instrument :**
BNA_G
**ClientSampleId :**
RS-FMS

**Manual Integrations APPROVED**

Reviewed By :Christian Giraldo
04/06/2023
Supervised By :Jagrut Upadhyay

04/06/2023
Supervised By :Jagrut Upadhyay

04/06/2023

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 8.410 | 152 | 16292 | 20.000 | ng | | -0.01 |
| 21) Naphthalene-d8 | 11.253 | 136 | 68079 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 15.025 | 164 | 47922 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.768 | 188 | 99100 | 20.000 | ng | # | 0.00 |
| 76) Chrysene-d12 | 22.097 | 240 | 84194 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 25.651 | 264 | 94561 | 20.000 | ng | | 0.02 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.925 | 112 | 119567 | 117.457 | ng | | 0.00 |
| 7) Phenol-d6 | 7.546 | 99 | 171521 | 112.658 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.591 | 82 | 113071 | 67.959 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.511 | 330 | 77984 | 101.864 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.656 | 172 | 255612 | 72.328 | ng | | 0.00 |
| 79) Terphenyl-d14 | 20.335 | 244 | 359254 | 72.204 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.728 | 88 | 15363 | 34.428 | ng | | 96 |
| 3) Pyridine | 4.145 | 79 | 44591 | 31.024 | ng | | 98 |
| 4) n-Nitrosodimethylamine | 4.051 | 42 | 26478 | 40.069 | ng | | 91 |
| 6) Aniline | 7.723 | 93 | 22120 | 11.365 | ng | | 96 |
| 8) 2-Chlorophenol | 7.969 | 128 | 52365 | 51.645 | ng | | 93 |
| 9) Benzaldehyde | 7.535 | 77 | 39279 | 41.132 | ng | | 94 |
| 10) Phenol | 7.576 | 94 | 74333 | 49.273 | ng | | 98 |
| 11) bis(2-Chloroethyl)ether | 7.811 | 93 | 48384 | 45.025 | ng | | 98 |
| 12) 1,3-Dichlorobenzene | 8.298 | 146 | 56224 | 50.184 | ng | | 98 |
| 13) 1,4-Dichlorobenzene | 8.451 | 146 | 57991 | 51.285 | ng | | 94 |
| 14) 1,2-Dichlorobenzene | 8.774 | 146 | 54334 | 49.736 | ng | | 98 |
| 15) Benzyl Alcohol | 8.645 | 79 | 56910 | 44.986 | ng | | 94 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.927 | 45 | 58795m | 45.399 | ng | | |
| 17) 2-Methylphenol | 8.845 | 107 | 49436 | 45.932 | ng | | 91 |
| 18) Hexachloroethane | 9.514 | 117 | 21224 | 51.354 | ng | | 95 |
| 19) n-Nitroso-di-n-propyla... | 9.215 | 70 | 44633 | 40.986 | ng | | 95 |
| 20) 3+4-Methylphenols | 9.174 | 107 | 68388 | 45.440 | ng | | 92 |
| 22) Acetophenone | 9.238 | 105 | 86504 | 42.702 | ng | # | 95 |
| 24) Nitrobenzene | 9.632 | 77 | 71782 | 42.198 | ng | | 98 |
| 25) Isophorone | 10.155 | 82 | 122455 | 38.650 | ng | | 97 |
| 26) 2-Nitrophenol | 10.349 | 139 | 30101 | 45.845 | ng | | 95 |
| 27) 2,4-Dimethylphenol | 10.390 | 122 | 52688 | 45.449 | ng | | 98 |
| 28) bis(2-Chloroethoxy)met... | 10.630 | 93 | 67111 | 42.310 | ng | | 96 |
| 29) 2,4-Dichlorophenol | 10.889 | 162 | 56771 | 45.536 | ng | | 97 |
| 30) 1,2,4-Trichlorobenzene | 11.112 | 180 | 62847 | 47.443 | ng | | 96 |
| 31) Naphthalene | 11.306 | 128 | 177221 | 47.759 | ng | | 98 |
| 32) Benzoic acid | 10.531 | 122 | 33661 | 42.271 | ng | | 97 |
| 33) 4-Chloroaniline | 11.406 | 127 | 21684 | 12.938 | ng | | 92 |
| 34) Hexachlorobutadiene | 11.576 | 225 | 45594 | 45.819 | ng | | 96 |
| 35) Caprolactam | 12.175 | 113 | 16408 | 38.162 | ng | | 99 |
| 36) 4-Chloro-3-methylphenol | 12.493 | 107 | 57166 | 41.001 | ng | | 96 |
| 37) 2-Methylnaphthalene | 12.880 | 142 | 128213 | 43.534 | ng | | 97 |
| 38) 1-Methylnaphthalene | 13.098 | 142 | 120424m | 43.546 | ng | | |
| 40) 1,2,4,5-Tetrachloroben... | 13.239 | 216 | 82599 | 49.705 | ng | | 100 |
| 41) Hexachlorocyclopentadiene | 13.215 | 237 | 51679 | 56.442 | ng | | 94 |
| 43) 2,4,6-Trichlorophenol | 13.474 | 196 | 51430 | 48.498 | ng | | 99 |

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|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 13.544 | 196 | 54639 | 43.493 | ng | | 96 |
| 46) 1,1'-Biphenyl | 13.867 | 154 | 167449 | 47.733 | ng | | 98 |
| 47) 2-Chloronaphthalene | 13.914 | 162 | 124327 | 47.919 | ng | | 97 |
| 48) 2-Nitroaniline | 14.108 | 65 | 39610 | 42.696 | ng | | 95 |
| 49) Acenaphthylene | 14.754 | 152 | 199512 | 46.802 | ng | | 99 |
| 50) Dimethylphthalate | 14.461 | 163 | 157693 | 41.763 | ng | | 98 |
| 51) 2,6-Dinitrotoluene | 14.590 | 165 | 35023 | 42.930 | ng | | 94 |
| 52) Acenaphthene | 15.095 | 154 | 161505 | 54.934 | ng | | 97 |
| 53) 3-Nitroaniline | 14.925 | 138 | 18582 | 23.011 | ng | | 88 |
| 54) 2,4-Dinitrophenol | 15.130 | 184 | 31827 | 69.310 | ng | # | 82 |
| 55) Dibenzofuran | 15.424 | 168 | 209020 | 47.369 | ng | | 97 |
| 56) 4-Nitrophenol | 15.218 | 139 | 54884 | 91.913 | ng | | 87 |
| 57) 2,4-Dinitrotoluene | 15.371 | 165 | 48487 | 42.139 | ng | # | 96 |
| 58) Fluorene | 16.070 | 166 | 183175 | 50.166 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.641 | 232 | 49610 | 43.371 | ng | # | 98 |
| 60) Diethylphthalate | 15.812 | 149 | 153044 | 40.431 | ng | | 98 |
| 61) 4-Chlorophenyl-phenyle... | 16.047 | 204 | 89635 | 41.811 | ng | | 97 |
| 62) 4-Nitroaniline | 16.082 | 138 | 30232 | 36.135 | ng | | 92 |
| 63) Azobenzene | 16.340 | 77 | 150810 | 39.977 | ng | | 99 |
| 65) 4,6-Dinitro-2-methylph... | 16.135 | 198 | 25272 | 42.107 | ng | | 97 |
| 66) n-Nitrosodiphenylamine | 16.258 | 169 | 130447 | 49.035 | ng | | 96 |
| 67) 4-Bromophenyl-phenylether | 16.940 | 248 | 57582 | 46.960 | ng | | 97 |
| 68) Hexachlorobenzene | 17.075 | 284 | 61160 | 50.451 | ng | | 94 |
| 69) Atrazine | 17.192 | 200 | 54056 | 48.951 | ng | | 98 |
| 70) Pentachlorophenol | 17.415 | 266 | 75583 | 86.907 | ng | | 96 |
| 71) Phenanthrene | 17.815 | 178 | 599776 | 118.707 | ng | | 99 |
| 72) Anthracene | 17.903 | 178 | 312775 | 60.386 | ng | | 99 |
| 73) Carbazole | 18.167 | 167 | 223764 | 49.550 | ng | | 96 |
| 74) Di-n-butylphthalate | 18.684 | 149 | 228115 | 43.622 | ng | | 98 |
| 75) Fluoranthene | 19.806 | 202 | 988804 | 154.382 | ng | | 98 |
| 77) Benzidine | 19.965 | 184 | 38893 | 16.900 | ng | | 97 |
| 78) Pyrene | 20.165 | 202 | 899494 | 154.465 | ng | | 99 |
| 80) Butylbenzylphthalate | 21.016 | 149 | 91093 | 45.458 | ng | | 97 |
| 81) Benzo(a)anthracene | 22.074 | 228 | 619696 | 106.364 | ng | | 98 |
| 82) 3,3'-Dichlorobenzidine | 21.968 | 252 | 53241 | 27.062 | ng | | 98 |
| 83) Chrysene | 22.150 | 228 | 546463 | 100.173 | ng | | 97 |
| 84) Bis(2-ethylhexyl)phtha... | 21.921 | 149 | 128078 | 44.139 | ng | | 98 |
| 85) Di-n-octyl phthalate | 23.243 | 149 | 216087 | 44.191 | ng | # | 99 |
| 87) Indeno(1,2,3-cd)pyrene | 29.769 | 276 | 520214 | 74.439 | ng | # | 72 |
| 88) Benzo(b)fluoranthene | 24.523 | 252 | 684813 | 115.811 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 24.588 | 252 | 436656 | 73.968 | ng | | 99 |
| 90) Benzo(a)pyrene | 25.493 | 252 | 569702 | 98.044 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 29.834 | 278 | 308992 | 53.790 | ng | | 97 |
| 92) Benzo(g,h,i)perylene | 31.068 | 276 | 451850 | 80.330 | ng | | 98 |

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

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