Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100820\
Data File : BG046818.D
Acq On : 8 Oct 2020 16:48
Operator : CG/JU
Sample : L4293-05MSD
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** B-6-MW-2MSD

Quant Time: Oct 08 17:40:18 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG092220.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 07 11:38:17 2020
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 8.109 | 152 | 65045 | 20.00 | ng | # | 0.00 |
| 21) Naphthalene-d8 | 10.917 | 136 | 252721 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.731 | 164 | 165739 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.474 | 188 | 404016 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.752 | 240 | 469216 | 20.00 | ng | # | 0.00 |
| 86) Perylene-d12 | 25.019 | 264 | 499001 | 20.00 | ng | | -0.01 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.671 | 112 | 222588 | 54.82 | ng | | 0.00 |
| 7) Phenol-d6 | 7.257 | 99 | 181161 | 31.63 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.272 | 82 | 503070 | 105.90 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.217 | 330 | 350546 | 160.40 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.356 | 172 | 1085559 | 92.73 | ng | | 0.00 |
| 79) Terphenyl-d14 | 20.077 | 244 | 1928092 | 82.36 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.567 | 88 | 29201 | 15.41 | ng | | 94 |
| 3) Pyridine | 3.961 | 79 | 82981 | 15.48 | ng | | 96 |
| 4) n-Nitrosodimethylamine | 3.873 | 42 | 46612 | 16.62 | ng | # | 66 |
| 6) Aniline | 7.427 | 93 | 159128 | 22.99 | ng | | 93 |
| 8) 2-Chlorophenol | 7.668 | 128 | 158347 | 39.14 | ng | | 93 |
| 9) Benzaldehyde | 7.239 | 77 | 56309 | 13.73 | ng | | 85 |
| 10) Phenol | 7.281 | 94 | 79541 | 13.95 | ng | | 79 |
| 11) bis(2-Chloroethyl)ether | 7.521 | 93 | 190572 | 43.25 | ng | | 90 |
| 12) 1,3-Dichlorobenzene | 7.997 | 146 | 206633 | 39.55 | ng | # | 93 |
| 13) 1,4-Dichlorobenzene | 8.144 | 146 | 210260 | 40.61 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 8.461 | 146 | 206039 | 42.67 | ng | | 95 |
| 15) Benzyl Alcohol | 8.338 | 79 | 131491 | 27.93 | ng | # | 88 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.632 | 45 | 277804 | 35.93 | ng | | 98 |
| 17) 2-Methylphenol | 8.544 | 107 | 110850 | 30.28 | ng | # | 89 |
| 18) Hexachloroethane | 9.202 | 117 | 74642 | 38.22 | ng | | 92 |
| 19) n-Nitroso-di-n-propyla... | 8.908 | 70 | 170614 | 43.44 | ng | | 95 |
| 20) 3+4-Methylphenols | 8.867 | 107 | 134720 | 27.00 | ng | | 91 |
| 22) Acetophenone | 8.926 | 105 | 315893 | 43.03 | ng | # | 93 |
| 24) Nitrobenzene | 9.313 | 77 | 253158 | 48.82 | ng | # | 86 |
| 25) Isophorone | 9.836 | 82 | 449985 | 43.40 | ng | | 94 |
| 26) 2-Nitrophenol | 10.024 | 139 | 111325 | 59.39 | ng | # | 79 |
| 27) 2,4-Dimethylphenol | 10.077 | 122 | 165007 | 44.04 | ng | | 90 |
| 28) bis(2-Chloroethoxy)met... | 10.318 | 93 | 262978 | 41.11 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 10.559 | 162 | 199471 | 44.25 | ng | | 95 |
| 30) 1,2,4-Trichlorobenzene | 10.782 | 180 | 218810 | 40.67 | ng | | 96 |
| 31) Naphthalene | 10.970 | 128 | 580159 | 42.32 | ng | | 100 |
| 32) Benzoic acid | 10.160 | 122 | 30890 | 16.60 | ng | | 94 |
| 33) 4-Chloroaniline | 11.070 | 127 | 139256 | 22.93 | ng | # | 94 |
| 34) Hexachlorobutadiene | 11.252 | 225 | 154267 | 39.11 | ng | | 97 |
| 35) Caprolactam | 11.840 | 113 | 11032 | 7.23 | ng | | 98 |
| 36) 4-Chloro-3-methylphenol | 12.175 | 107 | 195178 | 40.28 | ng | | 89 |
| 37) 2-Methylnaphthalene | 12.568 | 142 | 445583 | 43.85 | ng | # | 95 |
| 38) 1-Methylnaphthalene | 12.786 | 142 | 417413 | 44.25 | ng | | 100 |
| 40) 1,2,4,5-Tetrachloroben... | 12.933 | 216 | 281943 | 47.32 | ng | # | 96 |
| 41) Hexachlorocyclopentadiene | 12.915 | 237 | 339335 | 97.92 | ng | | 99 |
| 43) 2,4,6-Trichlorophenol | 13.162 | 196 | 187951 | 50.16 | ng | | 92 |

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|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 13.232 | 196 | 200601 | 53.20 | ng | # | 96 |
| 46) 1,1'-Biphenyl | 13.567 | 154 | 602747 | 47.30 | ng | | 96 |
| 47) 2-Chloronaphthalene | 13.614 | 162 | 466597 | 45.06 | ng | | 97 |
| 48) 2-Nitroaniline | 13.802 | 65 | 165998 | 60.39 | ng | # | 79 |
| 49) Acenaphthylene | 14.454 | 152 | 710315 | 46.62 | ng | | 97 |
| 50) Dimethylphthalate | 14.184 | 163 | 659116 | 49.79 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 14.296 | 165 | 140043 | 65.09 | ng | # | 75 |
| 52) Acenaphthene | 14.795 | 154 | 573335 | 55.40 | ng | | 96 |
| 53) 3-Nitroaniline | 14.625 | 138 | 80433 | 33.08 | ng | # | 70 |
| 54) 2,4-Dinitrophenol | 14.831 | 184 | 176283 | 150.03 | ng | # | 76 |
| 55) Dibenzofuran | 15.130 | 168 | 754033 | 48.26 | ng | | 95 |
| 56) 4-Nitrophenol | 14.925 | 139 | 79049 | 39.48 | ng | # | 66 |
| 57) 2,4-Dinitrotoluene | 15.083 | 165 | 201166 | 70.61 | ng | # | 84 |
| 58) Fluorene | 15.776 | 166 | 616462 | 49.27 | ng | | 98 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.348 | 232 | 203717 | 54.05 | ng | # | 95 |
| 60) Diethylphthalate | 15.541 | 149 | 611716 | 45.96 | ng | | 98 |
| 61) 4-Chlorophenyl-phenyle... | 15.765 | 204 | 345236 | 48.33 | ng | | 97 |
| 62) 4-Nitroaniline | 15.788 | 138 | 137453 | 50.92 | ng | # | 66 |
| 63) Azobenzene | 16.058 | 77 | 582587 | 44.53 | ng | | 90 |
| 65) 4,6-Dinitro-2-methylph... | 15.847 | 198 | 131830 | 78.61 | ng | | 88 |
| 66) n-Nitrosodiphenylamine | 15.982 | 169 | 561813 | 46.29 | ng | | 98 |
| 67) 4-Bromophenyl-phenylether | 16.664 | 248 | 233448 | 45.73 | ng | | 97 |
| 68) Hexachlorobenzene | 16.781 | 284 | 248458 | 45.24 | ng | | 95 |
| 69) Atrazine | 16.928 | 200 | 185351 | 38.01 | ng | | 98 |
| 70) Pentachlorophenol | 17.122 | 266 | 354785 | 111.90 | ng | | 91 |
| 71) Phenanthrene | 17.516 | 178 | 1025588 | 46.75 | ng | | 98 |
| 72) Anthracene | 17.610 | 178 | 1054831 | 48.74 | ng | | 98 |
| 73) Carbazole | 17.874 | 167 | 977966 | 49.65 | ng | | 98 |
| 74) Di-n-butylphthalate | 18.432 | 149 | 1070450 | 44.22 | ng | # | 97 |
| 75) Fluoranthene | 19.519 | 202 | 1387233 | 49.66 | ng | | 97 |
| 77) Benzidine | 19.695 | 184 | 532601 | 36.82 | ng | | 98 |
| 78) Pyrene | 19.883 | 202 | 1389145 | 46.06 | ng | | 99 |
| 80) Butylbenzylphthalate | 20.765 | 149 | 538429 | 46.20 | ng | | 90 |
| 81) Benzo(a)anthracene | 21.734 | 228 | 1447343 | 46.20 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 21.640 | 252 | 322643 | 26.54 | ng | | 96 |
| 83) Chrysene | 21.799 | 228 | 1390539 | 46.46 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 21.634 | 149 | 759894 | 44.38 | ng | | 97 |
| 85) Di-n-octyl phthalate | 22.868 | 149 | 1325145 | 45.01 | ng | # | 94 |
| 87) Indeno(1,2,3-cd)pyrene | 28.767 | 276 | 1722267 | 46.65 | ng | # | 88 |
| 88) Benzo(b)fluoranthene | 23.984 | 252 | 1527090 | 46.70 | ng | # | 98 |
| 89) Benzo(k)fluoranthene | 24.055 | 252 | 1465582 | 46.62 | ng | # | 97 |
| 90) Benzo(a)pyrene | 24.872 | 252 | 1367960 | 44.46 | ng | # | 98 |
| 91) Dibenzo(a,h)anthracene | 28.832 | 278 | 1428200 | 47.29 | ng | # | 96 |
| 92) Benzo(g,h,i)perylene | 29.936 | 276 | 1440573 | 48.78 | ng | # | 94 |

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

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