Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100820\
Data File : BG046817.D
Acq On : 8 Oct 2020 16:07
Operator : CG/JU
Sample : L4293-04MS
Misc :
ALS Vial : 8 Sample Multiplier: 1

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

**Manual Integrations APPROVED**
mohammad
10/9/2020 2:46:34 PM

Quant Time: Oct 08 16:46:09 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 | 8.108 | 152 | 63102 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.922 | 136 | 242952 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.735 | 164 | 166471 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.473 | 188 | 407026 | 20.00 | ng | | # 0.00 |
| 76) Chrysene-d12 | 21.751 | 240 | 466323 | 20.00 | ng | | # 0.00 |
| 86) Perylene-d12 | 25.023 | 264 | 509379 | 20.00 | ng | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.670 | 112 | 225526 | 57.26 | ng | | 0.00 |
| 7) Phenol-d6 | 7.256 | 99 | 180302 | 32.45 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.271 | 82 | 486079 | 106.44 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.216 | 330 | 341312 | 155.49 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.361 | 172 | 1072004 | 91.17 | ng | | 0.00 |
| 79) Terphenyl-d14 | 20.076 | 244 | 1921933 | 82.60 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.566 | 88 | 28226 | 15.36 | ng | | 90 |
| 3) Pyridine | 3.960 | 79 | 83896 | 16.14 | ng | | 96 |
| 4) n-Nitrosodimethylamine | 3.878 | 42 | 45790 | 16.83 | ng | # | 75 |
| 6) Aniline | 7.426 | 93 | 155659 | 23.18 | ng | # | 92 |
| 8) 2-Chlorophenol | 7.673 | 128 | 156391 | 39.84 | ng | | 94 |
| 9) Benzaldehyde | 7.244 | 77 | 54113 | 13.53 | ng | | 91 |
| 10) Phenol | 7.285 | 94 | 76640 | 13.86 | ng | | 90 |
| 11) bis(2-Chloroethyl)ether | 7.520 | 93 | 188083 | 44.00 | ng | | 91 |
| 12) 1,3-Dichlorobenzene | 7.996 | 146 | 207510 | 40.94 | ng | # | 90 |
| 13) 1,4-Dichlorobenzene | 8.143 | 146 | 205652 | 40.94 | ng | | 97 |
| 14) 1,2-Dichlorobenzene | 8.466 | 146 | 202814 | 43.29 | ng | | 96 |
| 15) Benzyl Alcohol | 8.337 | 79 | 129854 | 28.43 | ng | # | 86 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.631 | 45 | 275570 | 36.74 | ng | | 98 |
| 17) 2-Methylphenol | 8.543 | 107 | 109014 | 30.70 | ng | # | 88 |
| 18) Hexachloroethane | 9.201 | 117 | 71094 | 37.52 | ng | | 90 |
| 19) n-Nitroso-di-n-propyla... | 8.913 | 70 | 165486 | 43.44 | ng | | 97 |
| 20) 3+4-Methylphenols | 8.866 | 107 | 131510 | 27.17 | ng | | 94 |
| 22) Acetophenone | 8.931 | 105 | 314220 | 44.53 | ng | # | 93 |
| 24) Nitrobenzene | 9.312 | 77 | 253098 | 50.77 | ng | # | 88 |
| 25) Isophorone | 9.835 | 82 | 444245 | 44.56 | ng | | 95 |
| 26) 2-Nitrophenol | 10.023 | 139 | 109234 | 60.62 | ng | # | 75 |
| 27) 2,4-Dimethylphenol | 10.076 | 122 | 156636 | 43.48 | ng | | 87 |
| 28) bis(2-Chloroethoxy)met... | 10.317 | 93 | 252987 | 41.14 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 10.558 | 162 | 200519 | 46.28 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 10.781 | 180 | 218286 | 42.20 | ng | | 99 |
| 31) Naphthalene | 10.969 | 128 | 576185 | 43.72 | ng | | 100 |
| 32) Benzoic acid | 10.153 | 122 | 32048 | 17.41 | ng | # | 79 |
| 33) 4-Chloroaniline | 11.069 | 127 | 138165 | 23.67 | ng | | 96 |
| 34) Hexachlorobutadiene | 11.257 | 225 | 152449 | 40.20 | ng | | 97 |
| 35) Caprolactam | 11.845 | 113 | 10735m | 7.31 | ng | | |
| 36) 4-Chloro-3-methylphenol | 12.180 | 107 | 191930 | 41.20 | ng | | 90 |
| 37) 2-Methylnaphthalene | 12.567 | 142 | 441429 | 45.18 | ng | # | 94 |
| 38) 1-Methylnaphthalene | 12.785 | 142 | 411119m | 45.34 | ng | | |
| 40) 1,2,4,5-Tetrachloroben... | 12.932 | 216 | 281779 | 47.09 | ng | # | 98 |
| 41) Hexachlorocyclopentadiene | 12.914 | 237 | 330858 | 95.05 | ng | | 99 |
| 43) 2,4,6-Trichlorophenol | 13.161 | 196 | 190306 | 50.57 | ng | | 95 |

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|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 13.237 | 196 | 194882 | 51.45 | ng | | 91 |
| 46) 1,1'-Biphenyl | 13.566 | 154 | 595768 | 46.55 | ng | | 94 |
| 47) 2-Chloronaphthalene | 13.613 | 162 | 462717 | 44.49 | ng | | 97 |
| 48) 2-Nitroaniline | 13.807 | 65 | 164700 | 59.65 | ng | # | 77 |
| 49) Acenaphthylene | 14.453 | 152 | 710504 | 46.42 | ng | | 99 |
| 50) Dimethylphthalate | 14.183 | 163 | 638918 | 48.05 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 14.295 | 165 | 136934 | 63.37 | ng | # | 72 |
| 52) Acenaphthene | 14.794 | 154 | 569981m | 54.83 | ng | | |
| 53) 3-Nitroaniline | 14.624 | 138 | 79641 | 32.61 | ng | # | 73 |
| 54) 2,4-Dinitrophenol | 14.829 | 184 | 167262 | 141.73 | ng | # | 74 |
| 55) Dibenzofuran | 15.129 | 168 | 741555 | 47.25 | ng | | 95 |
| 56) 4-Nitrophenol | 14.923 | 139 | 79606 | 39.58 | ng | # | 71 |
| 57) 2,4-Dinitrotoluene | 15.082 | 165 | 199797 | 69.82 | ng | # | 81 |
| 58) Fluorene | 15.775 | 166 | 613119 | 48.78 | ng | | 97 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.347 | 232 | 196479 | 51.90 | ng | # | 94 |
| 60) Diethylphthalate | 15.540 | 149 | 613034 | 45.86 | ng | | 97 |
| 61) 4-Chlorophenyl-phenyle... | 15.770 | 204 | 340263 | 47.43 | ng | | 99 |
| 62) 4-Nitroaniline | 15.787 | 138 | 134094 | 49.46 | ng | # | 65 |
| 63) Azobenzene | 16.057 | 77 | 579989 | 44.14 | ng | | 90 |
| 65) 4,6-Dinitro-2-methylph... | 15.846 | 198 | 127796 | 75.64 | ng | | 89 |
| 66) n-Nitrosodiphenylamine | 15.981 | 169 | 557181 | 45.57 | ng | | 98 |
| 67) 4-Bromophenyl-phenylether | 16.663 | 248 | 235717 | 45.83 | ng | | 97 |
| 68) Hexachlorobenzene | 16.780 | 284 | 246642 | 44.57 | ng | | 92 |
| 69) Atrazine | 16.927 | 200 | 183436 | 37.34 | ng | | 96 |
| 70) Pentachlorophenol | 17.121 | 266 | 348598 | 109.13 | ng | | 87 |
| 71) Phenanthrene | 17.520 | 178 | 1026366 | 46.44 | ng | | 97 |
| 72) Anthracene | 17.609 | 178 | 1058478 | 48.54 | ng | | 98 |
| 73) Carbazole | 17.873 | 167 | 970359 | 48.90 | ng | | 98 |
| 74) Di-n-butylphthalate | 18.431 | 149 | 1060932 | 43.50 | ng | # | 98 |
| 75) Fluoranthene | 19.524 | 202 | 1371804 | 48.74 | ng | | 97 |
| 77) Benzidine | 19.694 | 184 | 508874 | 35.40 | ng | | 99 |
| 78) Pyrene | 19.882 | 202 | 1399126 | 46.68 | ng | | 99 |
| 80) Butylbenzylphthalate | 20.764 | 149 | 532628 | 45.98 | ng | | 90 |
| 81) Benzo(a)anthracene | 21.733 | 228 | 1438671 | 46.21 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 21.639 | 252 | 325196 | 26.91 | ng | | 96 |
| 83) Chrysene | 21.798 | 228 | 1397125 | 46.97 | ng | | 98 |
| 84) Bis(2-ethylhexyl)phtha... | 21.633 | 149 | 763388 | 44.86 | ng | | 95 |
| 85) Di-n-octyl phthalate | 22.867 | 149 | 1338815 | 45.76 | ng | # | 95 |
| 87) Indeno(1,2,3-cd)pyrene | 28.760 | 276 | 1726921 | 45.82 | ng | # | 90 |
| 88) Benzo(b)fluoranthene | 23.983 | 252 | 1523677 | 45.64 | ng | # | 97 |
| 89) Benzo(k)fluoranthene | 24.060 | 252 | 1469292 | 45.78 | ng | # | 98 |
| 90) Benzo(a)pyrene | 24.871 | 252 | 1384831 | 44.09 | ng | # | 98 |
| 91) Dibenzo(a,h)anthracene | 28.831 | 278 | 1424058 | 46.20 | ng | # | 96 |
| 92) Benzo(g,h,i)perylene | 29.929 | 276 | 1442854 | 47.86 | ng | # | 93 |

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

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