Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012721\
Data File : BG048038.D
Acq On : 27 Jan 2021 21:37
Operator : CG/JU
Sample : M1220-03MSD
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
SP1-BMSD

**Manual Integrations APPROVED**
mohammad
1/28/2021 11:46:40 AM

Quant Time: Jan 27 23:31:05 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG012521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jan 25 19:39:42 2021
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 8.123 | 152 | 57381 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.937 | 136 | 223722 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.751 | 164 | 160789 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.489 | 188 | 380907 | 20.00 | ng | # | 0.00 |
| 76) Chrysene-d12 | 21.766 | 240 | 408335 | 20.00 | ng | # | 0.00 |
| 86) Perylene-d12 | 25.050 | 264 | 398958 | 20.00 | ng | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.685 | 112 | 361577 | 96.84 | ng | | 0.00 |
| 7) Phenol-d6 | 7.277 | 99 | 495482 | 87.28 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.292 | 82 | 329339 | 58.25 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.231 | 330 | 233655 | 87.25 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.376 | 172 | 674363 | 54.23 | ng | | 0.00 |
| 79) Terphenyl-d14 | 20.091 | 244 | 1134507 | 48.17 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.564 | 88 | 48655 | 29.23 | ng | # | 96 |
| 3) Pyridine | 3.963 | 79 | 152936 | 30.61 | ng | | 90 |
| 4) n-Nitrosodimethylamine | 3.875 | 42 | 91163 | 39.49 | ng | | 80 |
| 6) Aniline | 7.441 | 93 | 156025 | 22.75 | ng | | 94 |
| 8) 2-Chlorophenol | 7.688 | 128 | 177639 | 45.45 | ng | | 90 |
| 9) Benzaldehyde | 7.253 | 77 | 119904 | 41.18 | ng | | 89 |
| 10) Phenol | 7.300 | 94 | 251642 | 46.25 | ng | | 75 |
| 11) bis(2-Chloroethyl)ether | 7.541 | 93 | 173653 | 40.75 | ng | | 97 |
| 12) 1,3-Dichlorobenzene | 8.017 | 146 | 186334 | 39.50 | ng | # | 93 |
| 13) 1,4-Dichlorobenzene | 8.158 | 146 | 191197 | 40.43 | ng | | 96 |
| 14) 1,2-Dichlorobenzene | 8.481 | 146 | 186587 | 41.34 | ng | | 97 |
| 15) Benzyl Alcohol | 8.358 | 79 | 196662 | 40.95 | ng | # | 88 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.652 | 45 | 220574 | 36.88 | ng | | 89 |
| 17) 2-Methylphenol | 8.558 | 107 | 159085 | 43.26 | ng | # | 88 |
| 18) Hexachloroethane | 9.216 | 117 | 72138 | 39.10 | ng | | 100 |
| 19) n-Nitroso-di-n-propyla... | 8.928 | 70 | 153808 | 37.12 | ng | | 97 |
| 20) 3+4-Methylphenols | 8.887 | 107 | 214648 | 42.19 | ng | | 89 |
| 22) Acetophenone | 8.946 | 105 | 277753 | 40.29 | ng | | 93 |
| 24) Nitrobenzene | 9.333 | 77 | 234888 | 41.48 | ng | # | 83 |
| 25) Isophorone | 9.856 | 82 | 410941 | 40.50 | ng | | 94 |
| 26) 2-Nitrophenol | 10.044 | 139 | 104407 | 44.81 | ng | # | 75 |
| 27) 2,4-Dimethylphenol | 10.097 | 122 | 160306 | 47.35 | ng | | 87 |
| 28) bis(2-Chloroethoxy)met... | 10.338 | 93 | 236338 | 38.71 | ng | | 97 |
| 29) 2,4-Dichlorophenol | 10.579 | 162 | 196088 | 45.02 | ng | | 97 |
| 30) 1,2,4-Trichlorobenzene | 10.802 | 180 | 219951 | 41.77 | ng | | 98 |
| 31) Naphthalene | 10.990 | 128 | 530804 | 41.03 | ng | | 99 |
| 32) Benzoic acid | 10.244 | 122 | 131213 | 43.28 | ng | # | 77 |
| 33) 4-Chloroaniline | 11.090 | 127 | 49716 | 8.41 | ng | # | 91 |
| 34) Hexachlorobutadiene | 11.278 | 225 | 156063 | 41.73 | ng | | 98 |
| 35) Caprolactam | 11.866 | 113 | 63448m | 38.27 | ng | | |
| 36) 4-Chloro-3-methylphenol | 12.201 | 107 | 204431 | 41.83 | ng | | 86 |
| 37) 2-Methylnaphthalene | 12.588 | 142 | 395672 | 40.50 | ng | # | 92 |
| 38) 1-Methylnaphthalene | 12.806 | 142 | 375818 | 40.32 | ng | # | 100 |
| 40) 1,2,4,5-Tetrachloroben... | 12.953 | 216 | 270006 | 44.05 | ng | # | 97 |
| 41) Hexachlorocyclopentadiene | 12.935 | 237 | 335983 | 96.77 | ng | | 100 |
| 43) 2,4,6-Trichlorophenol | 13.182 | 196 | 186748 | 43.68 | ng | | 95 |

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|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 13.252 | 196 | 203341 | 45.90 | ng | # | 95 |
| 46) 1,1'-Biphenyl | 13.587 | 154 | 523140 | 42.09 | ng | | 99 |
| 47) 2-Chloronaphthalene | 13.628 | 162 | 429970 | 39.75 | ng | | 99 |
| 48) 2-Nitroaniline | 13.822 | 65 | 148559 | 37.84 | ng | # | 82 |
| 49) Acenaphthylene | 14.474 | 152 | 646062 | 40.46 | ng | | 99 |
| 50) Dimethylphthalate | 14.198 | 163 | 604451 | 41.53 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 14.316 | 165 | 127654 | 42.20 | ng | # | 72 |
| 52) Acenaphthene | 14.815 | 154 | 507153m | 46.92 | ng | | |
| 53) 3-Nitroaniline | 14.645 | 138 | 61938 | 18.66 | ng | # | 80 |
| 54) 2,4-Dinitrophenol | 14.850 | 184 | 179385 | 94.83 | ng | # | 71 |
| 55) Dibenzofuran | 15.144 | 168 | 660261 | 40.28 | ng | | 96 |
| 56) 4-Nitrophenol | 14.944 | 139 | 219030 | 84.59 | ng | # | 60 |
| 57) 2,4-Dinitrotoluene | 15.103 | 165 | 177411 | 40.60 | ng | # | 80 |
| 58) Fluorene | 15.796 | 166 | 525749 | 39.89 | ng | | 97 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.368 | 232 | 191651 | 43.26 | ng | # | 97 |
| 60) Diethylphthalate | 15.561 | 149 | 567051 | 37.90 | ng | | 95 |
| 61) 4-Chlorophenyl-phenyle... | 15.785 | 204 | 324548 | 40.21 | ng | | 98 |
| 62) 4-Nitroaniline | 15.808 | 138 | 122306 | 33.83 | ng | # | 61 |
| 63) Azobenzene | 16.078 | 77 | 540440 | 38.37 | ng | | 92 |
| 65) 4,6-Dinitro-2-methylph... | 15.861 | 198 | 123370 | 50.19 | ng | | 83 |
| 66) n-Nitrosodiphenylamine | 15.996 | 169 | 495997 | 43.33 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 16.678 | 248 | 216623 | 42.56 | ng | | 96 |
| 68) Hexachlorobenzene | 16.795 | 284 | 228442 | 41.27 | ng | | 96 |
| 69) Atrazine | 16.942 | 200 | 179190 | 41.21 | ng | | 96 |
| 70) Pentachlorophenol | 17.136 | 266 | 308493 | 91.79 | ng | | 98 |
| 71) Phenanthrene | 17.536 | 178 | 891352 | 40.56 | ng | | 97 |
| 72) Anthracene | 17.624 | 178 | 906635 | 41.95 | ng | | 98 |
| 73) Carbazole | 17.888 | 167 | 811941 | 40.25 | ng | | 98 |
| 74) Di-n-butylphthalate | 18.446 | 149 | 932380 | 37.86 | ng | # | 97 |
| 75) Fluoranthene | 19.533 | 202 | 1151091 | 39.95 | ng | | 97 |
| 77) Benzidine | 19.709 | 184 | 317373 | 26.94 | ng | | 99 |
| 78) Pyrene | 19.897 | 202 | 1151422 | 38.51 | ng | | 100 |
| 80) Butylbenzylphthalate | 20.779 | 149 | 428690 | 37.53 | ng | | 90 |
| 81) Benzo(a)anthracene | 21.748 | 228 | 1201871 | 40.50 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 21.660 | 252 | 236198 | 23.62 | ng | # | 97 |
| 83) Chrysene | 21.819 | 228 | 1164079 | 41.28 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 21.654 | 149 | 619937 | 39.63 | ng | | 99 |
| 85) Di-n-octyl phthalate | 22.888 | 149 | 1056846 | 40.39 | ng | | 96 |
| 87) Indeno(1,2,3-cd)pyrene | 28.805 | 276 | 1446355 | 45.07 | ng | # | 90 |
| 88) Benzo(b)fluoranthene | 24.010 | 252 | 1280347 | 45.15 | ng | # | 98 |
| 89) Benzo(k)fluoranthene | 24.081 | 252 | 1206613 | 43.79 | ng | # | 96 |
| 90) Benzo(a)pyrene | 24.898 | 252 | 1148151 | 43.12 | ng | # | 98 |
| 91) Dibenzo(a,h)anthracene | 28.881 | 278 | 1210268 | 45.70 | ng | # | 95 |
| 92) Benzo(g,h,i)perylene | 29.992 | 276 | 1187087 | 46.53 | ng | # | 94 |

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

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