Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012821\
Data File : BG048055.D
Acq On : 28 Jan 2021 12:45
Operator : CG/JU
Sample : PB134332BSD
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
PB134332BSD

**Manual Integrations APPROVED**
mohammad
1/29/2021 10:33:04 AM

Quant Time: Jan 28 13:42:05 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 | 39798 | 20.00 | ng | # | 0.00 |
| 21) Naphthalene-d8 | 10.937 | 136 | 155004 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.745 | 164 | 113890 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.488 | 188 | 285557 | 20.00 | ng | # | 0.00 |
| 76) Chrysene-d12 | 21.766 | 240 | 333070 | 20.00 | ng | # | 0.00 |
| 86) Perylene-d12 | 25.044 | 264 | 328324 | 20.00 | ng | | -0.02 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.679 | 112 | 324779 | 125.42 | ng | | 0.00 |
| 7) Phenol-d6 | 7.271 | 99 | 451376 | 114.64 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.286 | 82 | 265959 | 67.89 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.231 | 330 | 215698 | 113.71 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.370 | 172 | 593219 | 67.34 | ng | | -0.02 |
| 79) Terphenyl-d14 | 20.085 | 244 | 1210636 | 63.02 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.564 | 88 | 45424 | 39.35 | ng | # | 96 |
| 3) Pyridine | 3.963 | 79 | 134327 | 38.77 | ng | | 88 |
| 4) n-Nitrosodimethylamine | 3.869 | 42 | 70586 | 44.09 | ng | # | 77 |
| 6) Aniline | 7.441 | 93 | 152579 | 32.08 | ng | | 92 |
| 8) 2-Chlorophenol | 7.688 | 128 | 127290 | 46.96 | ng | | 91 |
| 9) Benzaldehyde | 7.253 | 77 | 20913 | 10.35 | ng | | 87 |
| 10) Phenol | 7.300 | 94 | 174566 | 46.25 | ng | | 81 |
| 11) bis(2-Chloroethyl)ether | 7.535 | 93 | 128492 | 43.47 | ng | | 96 |
| 12) 1,3-Dichlorobenzene | 8.011 | 146 | 140123 | 42.83 | ng | # | 91 |
| 13) 1,4-Dichlorobenzene | 8.158 | 146 | 141700 | 43.20 | ng | | 92 |
| 14) 1,2-Dichlorobenzene | 8.481 | 146 | 135283 | 43.21 | ng | | 96 |
| 15) Benzyl Alcohol | 8.358 | 79 | 142588 | 42.80 | ng | # | 86 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.652 | 45 | 158017 | 38.09 | ng | | 96 |
| 17) 2-Methylphenol | 8.558 | 107 | 113701 | 44.58 | ng | # | 87 |
| 18) Hexachloroethane | 9.216 | 117 | 53907 | 42.13 | ng | | 96 |
| 19) n-Nitroso-di-n-propyla... | 8.928 | 70 | 114038 | 39.68 | ng | | 98 |
| 20) 3+4-Methylphenols | 8.881 | 107 | 153855 | 43.60 | ng | | 89 |
| 22) Acetophenone | 8.945 | 105 | 201857 | 42.26 | ng | # | 93 |
| 24) Nitrobenzene | 9.327 | 77 | 175072 | 44.62 | ng | # | 82 |
| 25) Isophorone | 9.856 | 82 | 294782 | 41.93 | ng | # | 93 |
| 26) 2-Nitrophenol | 10.044 | 139 | 73113 | 45.29 | ng | # | 72 |
| 27) 2,4-Dimethylphenol | 10.091 | 122 | 122272 | 52.13 | ng | | 94 |
| 28) bis(2-Chloroethoxy)met... | 10.332 | 93 | 167626 | 39.63 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 10.579 | 162 | 138890 | 46.02 | ng | | 96 |
| 30) 1,2,4-Trichlorobenzene | 10.796 | 180 | 159423 | 43.69 | ng | | 95 |
| 31) Naphthalene | 10.990 | 128 | 384687 | 42.92 | ng | | 99 |
| 32) Benzoic acid | 10.215 | 122 | 92807 | 44.18 | ng | # | 76 |
| 33) 4-Chloroaniline | 11.084 | 127 | 82965 | 20.25 | ng | # | 92 |
| 34) Hexachlorobutadiene | 11.272 | 225 | 113088 | 43.64 | ng | | 98 |
| 35) Caprolactam | 11.854 | 113 | 44000m | 38.30 | ng | | |
| 36) 4-Chloro-3-methylphenol | 12.195 | 107 | 147071 | 43.43 | ng | | 90 |
| 37) 2-Methylnaphthalene | 12.582 | 142 | 288570 | 42.63 | ng | # | 94 |
| 38) 1-Methylnaphthalene | 12.800 | 142 | 270535 | 41.89 | ng | # | 99 |
| 40) 1,2,4,5-Tetrachloroben... | 12.947 | 216 | 192559 | 44.35 | ng | # | 97 |
| 41) Hexachlorocyclopentadiene | 12.929 | 237 | 267218 | 108.65 | ng | | 100 |
| 43) 2,4,6-Trichlorophenol | 13.176 | 196 | 132738 | 43.83 | ng | | 98 |

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|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 13.252 | 196 | 141780 | 45.18 | ng | # | 95 |
| 46) 1,1'-Biphenyl | 13.581 | 154 | 373086 | 42.37 | ng | | 99 |
| 47) 2-Chloronaphthalene | 13.628 | 162 | 312116 | 40.73 | ng | | 97 |
| 48) 2-Nitroaniline | 13.822 | 65 | 108143 | 38.89 | ng | # | 83 |
| 49) Acenaphthylene | 14.468 | 152 | 472185 | 41.75 | ng | | 99 |
| 50) Dimethylphthalate | 14.198 | 163 | 407273 | 39.51 | ng | | 98 |
| 51) 2,6-Dinitrotoluene | 14.310 | 165 | 94017 | 43.87 | ng | # | 71 |
| 52) Acenaphthene | 14.809 | 154 | 365037 | 47.68 | ng | | 96 |
| 53) 3-Nitroaniline | 14.639 | 138 | 64549 | 27.46 | ng | # | 77 |
| 54) 2,4-Dinitrophenol | 14.844 | 184 | 128907 | 96.20 | ng | # | 67 |
| 55) Dibenzofuran | 15.144 | 168 | 481819 | 41.49 | ng | | 95 |
| 56) 4-Nitrophenol | 14.938 | 139 | 159401 | 86.91 | ng | # | 54 |
| 57) 2,4-Dinitrotoluene | 15.097 | 165 | 132448 | 42.80 | ng | # | 81 |
| 58) Fluorene | 15.790 | 166 | 390253 | 41.80 | ng | | 98 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.361 | 232 | 137090 | 43.69 | ng | # | 95 |
| 60) Diethylphthalate | 15.555 | 149 | 417658 | 39.41 | ng | | 97 |
| 61) 4-Chlorophenyl-phenyle... | 15.779 | 204 | 234773 | 41.07 | ng | | 98 |
| 62) 4-Nitroaniline | 15.802 | 138 | 90837 | 35.47 | ng | # | 67 |
| 63) Azobenzene | 16.072 | 77 | 395362 | 39.63 | ng | | 90 |
| 65) 4,6-Dinitro-2-methylph... | 15.861 | 198 | 91042 | 49.40 | ng | | 91 |
| 66) n-Nitrosodiphenylamine | 15.996 | 169 | 360854 | 42.05 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 16.678 | 248 | 159195 | 41.72 | ng | | 97 |
| 68) Hexachlorobenzene | 16.795 | 284 | 170378 | 41.06 | ng | | 98 |
| 69) Atrazine | 16.936 | 200 | 134521 | 41.27 | ng | | 97 |
| 70) Pentachlorophenol | 17.136 | 266 | 242683 | 96.31 | ng | | 97 |
| 71) Phenanthrene | 17.530 | 178 | 689856 | 41.87 | ng | | 97 |
| 72) Anthracene | 17.624 | 178 | 703854 | 43.44 | ng | | 97 |
| 73) Carbazole | 17.888 | 167 | 654820 | 43.31 | ng | | 99 |
| 74) Di-n-butylphthalate | 18.440 | 149 | 760787 | 41.20 | ng | # | 98 |
| 75) Fluoranthene | 19.533 | 202 | 977790 | 45.26 | ng | | 96 |
| 77) Benzidine | 19.703 | 184 | 221699 | 23.07 | ng | | 100 |
| 78) Pyrene | 19.891 | 202 | 990980 | 40.63 | ng | | 97 |
| 80) Butylbenzylphthalate | 20.773 | 149 | 365318 | 39.21 | ng | | 90 |
| 81) Benzo(a)anthracene | 21.742 | 228 | 1002138 | 41.40 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 21.654 | 252 | 289050 | 35.44 | ng | # | 99 |
| 83) Chrysene | 21.813 | 228 | 965994 | 42.00 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 21.648 | 149 | 522025 | 40.91 | ng | | 98 |
| 85) Di-n-octyl phthalate | 22.882 | 149 | 882624 | 41.35 | ng | | 97 |
| 87) Indeno(1,2,3-cd)pyrene | 28.799 | 276 | 1184290 | 44.84 | ng | # | 89 |
| 88) Benzo(b)fluoranthene | 24.004 | 252 | 1055592 | 45.24 | ng | # | 97 |
| 89) Benzo(k)fluoranthene | 24.075 | 252 | 1002292 | 44.20 | ng | # | 97 |
| 90) Benzo(a)pyrene | 24.897 | 252 | 939077 | 42.85 | ng | # | 96 |
| 91) Dibenzo(a,h)anthracene | 28.863 | 278 | 973941 | 44.69 | ng | # | 95 |
| 92) Benzo(g,h,i)perylene | 29.968 | 276 | 979021 | 46.63 | ng | # | 93 |

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

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