Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051822\
Data File : BG053615.D
Acq On : 18 May 2022 22:42
Operator : CG/JU
Sample : N2907-02MSD
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
GC-2MSD

**Manual Integrations APPROVED**

Reviewed By :Christian Giraldo 05/19/2022
Supervised By :Jagrut Upadhyay 05/19/2022

Quant Time: May 19 05:13:23 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG050522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 11 06:00:46 2022
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 8.076 | 152 | 22685 | 20.000 | ng | | -0.01 |
| 21) Naphthalene-d8 | 10.890 | 136 | 95806 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.708 | 164 | 77286 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.452 | 188 | 193620 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.734 | 240 | 190777 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 25.006 | 264 | 199231 | 20.000 | ng | | -0.01 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.644 | 112 | 118277 | 88.487 | ng | | 0.00 |
| 7) Phenol-d6 | 7.242 | 99 | 176397 | 86.955 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.239 | 82 | 123018 | 54.659 | ng | | -0.01 |
| 42) 2,4,6-Tribromophenol | 16.195 | 330 | 98892 | 86.757 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.328 | 172 | 269457 | 50.947 | ng | | 0.00 |
| 79) Terphenyl-d14 | 20.054 | 244 | 553000 | 53.987 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.518 | 88 | 24369 | 34.747 | ng | # | 90 |
| 3) Pyridine | 3.923 | 79 | 60735 | 35.460 | ng | | 95 |
| 4) n-Nitrosodimethylamine | 3.835 | 42 | 40470 | 48.506 | ng | # | 94 |
| 6) Aniline | 7.401 | 93 | 105149 | 46.799 | ng | | 98 |
| 8) 2-Chlorophenol | 7.647 | 128 | 70519 | 50.466 | ng | | 95 |
| 9) Benzaldehyde | 7.213 | 77 | 60244m | 46.746 | ng | | |
| 10) Phenol | 7.271 | 94 | 103080 | 51.955 | ng | | 96 |
| 11) bis(2-Chloroethyl)ether | 7.489 | 93 | 69451 | 46.936 | ng | | 98 |
| 12) 1,3-Dichlorobenzene | 7.971 | 146 | 75474 | 45.784 | ng | | 95 |
| 13) 1,4-Dichlorobenzene | 8.112 | 146 | 77808 | 46.774 | ng | | 96 |
| 14) 1,2-Dichlorobenzene | 8.435 | 146 | 73904 | 47.311 | ng | | 98 |
| 15) Benzyl Alcohol | 8.317 | 79 | 75747m | 44.663 | ng | | |
| 16) 2,2'-oxybis(1-Chloropr... | 8.599 | 45 | 109802 | 45.593 | ng | | 97 |
| 17) 2-Methylphenol | 8.523 | 107 | 66784 | 49.802 | ng | | 94 |
| 18) Hexachloroethane | 9.163 | 117 | 28371 | 44.912 | ng | | 95 |
| 19) n-Nitroso-di-n-propyla... | 8.881 | 70 | 66909 | 45.970 | ng | | 96 |
| 20) 3+4-Methylphenols | 8.852 | 107 | 94246 | 49.763 | ng | | 97 |
| 22) Acetophenone | 8.899 | 105 | 116211 | 44.320 | ng | # | 97 |
| 24) Nitrobenzene | 9.281 | 77 | 100861 | 46.302 | ng | | 97 |
| 25) Isophorone | 9.803 | 82 | 189864 | 50.126 | ng | | 99 |
| 26) 2-Nitrophenol | 9.997 | 139 | 41091 | 46.574 | ng | | 95 |
| 27) 2,4-Dimethylphenol | 10.056 | 122 | 74035 | 55.760 | ng | | 94 |
| 28) bis(2-Chloroethoxy)met... | 10.285 | 93 | 98805 | 45.356 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 10.544 | 162 | 81225 | 50.687 | ng | | 94 |
| 30) 1,2,4-Trichlorobenzene | 10.749 | 180 | 81749 | 44.900 | ng | | 98 |
| 31) Naphthalene | 10.937 | 128 | 219787 | 45.099 | ng | | 99 |
| 32) Benzoic acid | 10.232 | 122 | 32668m | 40.888 | ng | | |
| 33) 4-Chloroaniline | 11.049 | 127 | 43082 | 21.109 | ng | | 96 |
| 34) Hexachlorobutadiene | 11.225 | 225 | 60874 | 45.089 | ng | | 96 |
| 35) Caprolactam | 11.824 | 113 | 29437m | 50.550 | ng | | |
| 36) 4-Chloro-3-methylphenol | 12.177 | 107 | 96183 | 50.178 | ng | | 100 |
| 37) 2-Methylnaphthalene | 12.541 | 142 | 164585 | 45.254 | ng | | 98 |
| 38) 1-Methylnaphthalene | 12.758 | 142 | 159440m | 44.933 | ng | | |
| 40) 1,2,4,5-Tetrachloroben... | 12.911 | 216 | 109202 | 44.826 | ng | | 99 |
| 41) Hexachlorocyclopentadiene | 12.887 | 237 | 95285 | 94.254 | ng | | 98 |
| 43) 2,4,6-Trichlorophenol | 13.146 | 196 | 76413 | 48.052 | ng | | 95 |

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| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 13.234 | 196 | 84281 | 49.798 | ng | | 98 |
| 46) 1,1'-Biphenyl | 13.539 | 154 | 236634 | 44.918 | ng | | 98 |
| 47) 2-Chloronaphthalene | 13.586 | 162 | 182011 | 44.098 | ng | | 99 |
| 48) 2-Nitroaniline | 13.786 | 65 | 76704 | 49.874 | ng | | 97 |
| 49) Acenaphthylene | 14.432 | 152 | 320866 | 48.717 | ng | | 98 |
| 50) Dimethylphthalate | 14.156 | 163 | 268755 | 45.761 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 14.280 | 165 | 59225 | 49.498 | ng | | 98 |
| 52) Acenaphthene | 14.773 | 154 | 176844 | 45.055 | ng | | 97 |
| 53) 3-Nitroaniline | 14.609 | 138 | 41635 | 32.205 | ng | | 95 |
| 54) 2,4-Dinitrophenol | 14.826 | 184 | 51910 | 69.256 | ng | | 96 |
| 55) Dibenzofuran | 15.102 | 168 | 315124 | 44.697 | ng | | 99 |
| 56) 4-Nitrophenol | 14.932 | 139 | 88475 | 95.814 | ng | | 87 |
| 57) 2,4-Dinitrotoluene | 15.073 | 165 | 85456 | 49.272 | ng | # | 93 |
| 58) Fluorene | 15.754 | 166 | 259306 | 45.832 | ng | | 98 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.337 | 232 | 78919 | 45.959 | ng | | 98 |
| 60) Diethylphthalate | 15.513 | 149 | 281391 | 46.383 | ng | | 99 |
| 61) 4-Chlorophenyl-phenyle... | 15.736 | 204 | 144427 | 45.747 | ng | | 98 |
| 62) 4-Nitroaniline | 15.778 | 138 | 62486 | 46.599 | ng | | 98 |
| 63) Azobenzene | 16.030 | 77 | 284836 | 45.851 | ng | | 99 |
| 65) 4,6-Dinitro-2-methylph... | 15.836 | 198 | 48868 | 42.357 | ng | | 96 |
| 66) n-Nitrosodiphenylamine | 15.954 | 169 | 237522 | 46.724 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 16.635 | 248 | 104719 | 46.310 | ng | | 92 |
| 68) Hexachlorobenzene | 16.765 | 284 | 114410 | 46.198 | ng | | 97 |
| 69) Atrazine | 16.900 | 200 | 102369 | 47.834 | ng | | 96 |
| 70) Pentachlorophenol | 17.111 | 266 | 119142 | 88.791 | ng | | 91 |
| 71) Phenanthrene | 17.493 | 178 | 455755 | 46.292 | ng | | 97 |
| 72) Anthracene | 17.587 | 178 | 462300 | 47.773 | ng | | 98 |
| 73) Carbazole | 17.857 | 167 | 424412 | 44.750 | ng | | 98 |
| 74) Di-n-butylphthalate | 18.403 | 149 | 495535 | 46.458 | ng | | 99 |
| 75) Fluoranthene | 19.502 | 202 | 582222 | 45.673 | ng | | 99 |
| 77) Benzidine | 19.678 | 184 | 351426 | 85.465 | ng | | 99 |
| 78) Pyrene | 19.866 | 202 | 581344 | 47.073 | ng | | 99 |
| 80) Butylbenzylphthalate | 20.736 | 149 | 213839 | 47.219 | ng | | 96 |
| 81) Benzo(a)anthracene | 21.717 | 228 | 566241 | 46.535 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 21.623 | 252 | 134713 | 43.657 | ng | # | 95 |
| 83) Chrysene | 21.781 | 228 | 517002 | 45.492 | ng | | 97 |
| 84) Bis(2-ethylhexyl)phtha... | 21.605 | 149 | 304726 | 48.751 | ng | | 99 |
| 85) Di-n-octyl phthalate | 22.827 | 149 | 510767 | 48.324 | ng | | 100 |
| 87) Indeno(1,2,3-cd)pyrene | 28.772 | 276 | 636310 | 45.857 | ng | # | 95 |
| 88) Benzo(b)fluoranthene | 23.972 | 252 | 599004 | 50.794 | ng | | 100 |
| 89) Benzo(k)fluoranthene | 24.037 | 252 | 544344 | 46.973 | ng | | 99 |
| 90) Benzo(a)pyrene | 24.859 | 252 | 554586 | 55.252 | ng | | 100 |
| 91) Dibenzo(a,h)anthracene | 28.825 | 278 | 548073 | 47.935 | ng | | 98 |
| 92) Benzo(g,h,i)perylene | 29.947 | 276 | 543425 | 47.948 | ng | | 97 |

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

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