Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042622\
Data File : BG053321.D
Acq On : 26 Apr 2022 15:33
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 27 03:37:12 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG040822.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Apr 24 01:13:30 2022
Response via : Initial Calibration

**Instrument :**
BNA_G
**ClientSampleId :**
SSTDCCC040

**Manual Integrations APPROVED**

Reviewed By :Christian Giraldo

04/27/2022
Supervised By :Jagrut Upadhyay

04/27/2022

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 8.105 | 152 | 30164 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.919 | 136 | 123571 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.731 | 164 | 93902 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.475 | 188 | 230446 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.763 | 240 | 220010 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 25.053 | 264 | 230554 | 20.000 | ng | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.673 | 112 | 152632 | 86.739 | ng | | 0.00 |
| 7) Phenol-d6 | 7.271 | 99 | 233572 | 86.075 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.268 | 82 | 246721 | 81.069 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.218 | 330 | 128027 | 85.697 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.357 | 172 | 557474 | 81.862 | ng | | 0.00 |
| 79) Terphenyl-d14 | 20.077 | 244 | 1058740 | 81.274 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.552 | 88 | 34430 | 40.971 | ng | # | 94 |
| 3) Pyridine | 3.952 | 79 | 95586 | 43.127 | ng | # | 87 |
| 4) n-Nitrosodimethylamine | 3.864 | 42 | 47121 | 42.933 | ng | | 96 |
| 6) Aniline | 7.424 | 93 | 131457 | 41.800 | ng | | 97 |
| 8) 2-Chlorophenol | 7.670 | 128 | 80638 | 42.447 | ng | | 94 |
| 9) Benzaldehyde | 7.236 | 77 | 67144m | 41.394 | ng | | |
| 10) Phenol | 7.294 | 94 | 116775 | 43.232 | ng | | 90 |
| 11) bis(2-Chloroethyl)ether | 7.518 | 93 | 84214 | 43.251 | ng | | 93 |
| 12) 1,3-Dichlorobenzene | 7.999 | 146 | 92974 | 42.117 | ng | | 96 |
| 13) 1,4-Dichlorobenzene | 8.140 | 146 | 92261 | 40.996 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 8.463 | 146 | 88772 | 40.905 | ng | | 98 |
| 15) Benzyl Alcohol | 8.340 | 79 | 100368 | 41.612 | ng | | 96 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.634 | 45 | 133763 | 41.148 | ng | | 96 |
| 17) 2-Methylphenol | 8.551 | 107 | 76599 | 41.907 | ng | | 95 |
| 18) Hexachloroethane | 9.198 | 117 | 34112 | 40.420 | ng | | 97 |
| 19) n-Nitroso-di-n-propyla... | 8.910 | 70 | 82293 | 41.423 | ng | | 98 |
| 20) 3+4-Methylphenols | 8.874 | 107 | 110063 | 42.655 | ng | | 95 |
| 22) Acetophenone | 8.927 | 105 | 138806 | 40.489 | ng | # | 91 |
| 24) Nitrobenzene | 9.315 | 77 | 119802 | 40.471 | ng | | 90 |
| 25) Isophorone | 9.832 | 82 | 217069 | 41.963 | ng | | 96 |
| 26) 2-Nitrophenol | 10.026 | 139 | 52452 | 42.374 | ng | # | 92 |
| 27) 2,4-Dimethylphenol | 10.085 | 122 | 74695 | 42.134 | ng | | 94 |
| 28) bis(2-Chloroethoxy)met... | 10.314 | 93 | 121257 | 41.725 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 10.566 | 162 | 93235 | 41.835 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 10.784 | 180 | 103057 | 40.857 | ng | | 95 |
| 31) Naphthalene | 10.972 | 128 | 269565 | 40.888 | ng | | 100 |
| 32) Benzoic acid | 10.243 | 122 | 51250m | 44.691 | ng | | |
| 33) 4-Chloroaniline | 11.072 | 127 | 118048 | 41.813 | ng | | 95 |
| 34) Hexachlorobutadiene | 11.254 | 225 | 75558 | 40.326 | ng | | 99 |
| 35) Caprolactam | 11.853 | 113 | 34299 | 43.662 | ng | | 94 |
| 36) 4-Chloro-3-methylphenol | 12.194 | 107 | 110929 | 42.754 | ng | | 93 |
| 37) 2-Methylnaphthalene | 12.564 | 142 | 201010 | 41.205 | ng | | 96 |
| 38) 1-Methylnaphthalene | 12.787 | 142 | 194931m | 40.936 | ng | | |
| 40) 1,2,4,5-Tetrachloroben... | 12.934 | 216 | 131987 | 41.385 | ng | | 99 |
| 41) Hexachlorocyclopentadiene | 12.916 | 237 | 65739 | 39.930 | ng | | 94 |
| 43) 2,4,6-Trichlorophenol | 13.169 | 196 | 89973 | 40.918 | ng | | 94 |

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| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 13.251 | 196 | 100951 | 43.083 | ng | | 96 |
| 46) 1,1'-Biphenyl | 13.568 | 154 | 274041 | 40.525 | ng | | 99 |
| 47) 2-Chloronaphthalene | 13.609 | 162 | 220349 | 40.843 | ng | | 97 |
| 48) 2-Nitroaniline | 13.809 | 65 | 86321 | 42.161 | ng | | 95 |
| 49) Acenaphthylene | 14.455 | 152 | 351670 | 41.640 | ng | | 98 |
| 50) Dimethylphthalate | 14.179 | 163 | 313932 | 41.798 | ng | | 98 |
| 51) 2,6-Dinitrotoluene | 14.302 | 165 | 65474 | 41.787 | ng | # | 86 |
| 52) Acenaphthene | 14.796 | 154 | 239306m | 41.784 | ng | | |
| 53) 3-Nitroaniline | 14.631 | 138 | 71445 | 43.122 | ng | | 98 |
| 54) 2,4-Dinitrophenol | 14.843 | 184 | 41500 | 41.626 | ng | # | 86 |
| 55) Dibenzofuran | 15.131 | 168 | 373080 | 41.601 | ng | | 97 |
| 56) 4-Nitrophenol | 14.943 | 139 | 54596 | 43.207 | ng | | 86 |
| 57) 2,4-Dinitrotoluene | 15.090 | 165 | 96661 | 43.332 | ng | | 90 |
| 58) Fluorene | 15.777 | 166 | 302637 | 41.783 | ng | | 97 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.360 | 232 | 97239 | 42.733 | ng | | 98 |
| 60) Diethylphthalate | 15.536 | 149 | 322109 | 40.933 | ng | | 99 |
| 61) 4-Chlorophenyl-phenyle... | 15.759 | 204 | 167333 | 40.754 | ng | | 96 |
| 62) 4-Nitroaniline | 15.795 | 138 | 74612 | 42.677 | ng | # | 80 |
| 63) Azobenzene | 16.059 | 77 | 325837 | 41.069 | ng | | 99 |
| 65) 4,6-Dinitro-2-methylph... | 15.859 | 198 | 68950 | 42.886 | ng | | 98 |
| 66) n-Nitrosodiphenylamine | 15.977 | 169 | 266169 | 40.165 | ng | | 96 |
| 67) 4-Bromophenyl-phenylether | 16.658 | 248 | 121364 | 41.101 | ng | | 95 |
| 68) Hexachlorobenzene | 16.787 | 284 | 131489 | 41.119 | ng | | 92 |
| 69) Atrazine | 16.922 | 200 | 100875 | 38.969 | ng | | 99 |
| 70) Pentachlorophenol | 17.134 | 266 | 74106 | 42.403 | ng | | 95 |
| 71) Phenanthrene | 17.522 | 178 | 514381 | 40.865 | ng | | 98 |
| 72) Anthracene | 17.610 | 178 | 505604 | 40.545 | ng | | 99 |
| 73) Carbazole | 17.880 | 167 | 497532 | 41.044 | ng | | 98 |
| 74) Di-n-butylphthalate | 18.426 | 149 | 555252 | 40.388 | ng | | 98 |
| 75) Fluoranthene | 19.525 | 202 | 649239 | 40.238 | ng | | 98 |
| 77) Benzidine | 19.695 | 184 | 257029 | 40.946 | ng | | 100 |
| 78) Pyrene | 19.889 | 202 | 646549 | 41.263 | ng | | 98 |
| 80) Butylbenzylphthalate | 20.758 | 149 | 243347 | 41.657 | ng | | 97 |
| 81) Benzo(a)anthracene | 21.739 | 228 | 616729 | 40.999 | ng | | 98 |
| 82) 3,3'-Dichlorobenzidine | 21.645 | 252 | 226006 | 40.853 | ng | | 96 |
| 83) Chrysene | 21.810 | 228 | 578043 | 41.405 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 21.628 | 149 | 330715 | 41.882 | ng | | 98 |
| 85) Di-n-octyl phthalate | 22.861 | 149 | 555046 | 42.029 | ng | # | 96 |
| 87) Indeno(1,2,3-cd)pyrene | 28.842 | 276 | 702217 | 40.996 | ng | # | 97 |
| 88) Benzo(b)fluoranthene | 24.007 | 252 | 598819 | 41.166 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 24.077 | 252 | 586113 | 40.997 | ng | | 99 |
| 90) Benzo(a)pyrene | 24.900 | 252 | 505318 | 40.776 | ng | # | 97 |
| 91) Dibenzo(a,h)anthracene | 28.889 | 278 | 573529 | 40.682 | ng | | 96 |
| 92) Benzo(g,h,i)perylene | 30.022 | 276 | 570376 | 41.048 | ng | | 99 |

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

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