Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG103122\
Data File : BG055377.D
Acq On : 31 Oct 2022 11:43
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 01 06:48:13 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102422.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Oct 29 04:52:38 2022
Response via : Initial Calibration

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

**Manual Integrations APPROVED**

Reviewed By :Christian Giraldo

11/01/2022
Supervised By :mohammad ahmed

11/04/2022

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 8.265 | 152 | 32727 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 11.091 | 136 | 133261 | 20.000 | ng | # | 0.00 |
| 39) Acenaphthene-d10 | 14.875 | 164 | 90721 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.613 | 188 | 207620 | 20.000 | ng | # | 0.00 |
| 76) Chrysene-d12 | 21.890 | 240 | 204048 | 20.000 | ng | # | 0.00 |
| 86) Perylene-d12 | 25.280 | 264 | 229200 | 20.000 | ng | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.785 | 112 | 149329 | 79.895 | ng | | 0.00 |
| 7) Phenol-d6 | 7.407 | 99 | 197483 | 72.930 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.440 | 82 | 198714 | 76.144 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.355 | 330 | 92832 | 94.129 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.506 | 172 | 469993 | 84.794 | ng | | 0.00 |
| 79) Terphenyl-d14 | 20.186 | 244 | 782655 | 79.693 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.600 | 88 | 34257 | 37.959 | ng | | 96 |
| 3) Pyridine | 4.023 | 79 | 99813 | 36.727 | ng | | 93 |
| 4) n-Nitrosodimethylamine | 3.935 | 42 | 40027 | 33.150 | ng | | 91 |
| 6) Aniline | 7.577 | 93 | 123276 | 34.776 | ng | | 98 |
| 8) 2-Chlorophenol | 7.824 | 128 | 84464 | 38.870 | ng | | 93 |
| 9) Benzaldehyde | 7.389 | 77 | 60839 | 32.906 | ng | | 96 |
| 10) Phenol | 7.436 | 94 | 109908 | 36.236 | ng | | 100 |
| 11) bis(2-Chloroethyl)ether | 7.671 | 93 | 80826 | 35.301 | ng | | 93 |
| 12) 1,3-Dichlorobenzene | 8.153 | 146 | 96537 | 40.717 | ng | | 98 |
| 13) 1,4-Dichlorobenzene | 8.300 | 146 | 97908 | 40.430 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 8.623 | 146 | 93145 | 39.949 | ng | | 98 |
| 15) Benzyl Alcohol | 8.500 | 79 | 77162 | 34.052 | ng | | 99 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.788 | 45 | 110036 | 29.367 | ng | | 95 |
| 17) 2-Methylphenol | 8.700 | 107 | 77630 | 36.190 | ng | | 99 |
| 18) Hexachloroethane | 9.358 | 117 | 33764 | 39.154 | ng | | 92 |
| 19) n-Nitroso-di-n-propyla... | 9.070 | 70 | 72253 | 32.132 | ng | # | 94 |
| 20) 3+4-Methylphenols | 9.035 | 107 | 108813 | 35.418 | ng | | 98 |
| 22) Acetophenone | 9.087 | 105 | 134691 | 39.535 | ng | # | 96 |
| 24) Nitrobenzene | 9.481 | 77 | 103484 | 38.083 | ng | | 96 |
| 25) Isophorone | 10.004 | 82 | 187391 | 35.550 | ng | # | 94 |
| 26) 2-Nitrophenol | 10.198 | 139 | 52072 | 43.759 | ng | | 91 |
| 27) 2,4-Dimethylphenol | 10.245 | 122 | 72407m | 38.976 | ng | | |
| 28) bis(2-Chloroethoxy)met... | 10.474 | 93 | 100352 | 37.706 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 10.738 | 162 | 87561 | 43.936 | ng | | 96 |
| 30) 1,2,4-Trichlorobenzene | 10.950 | 180 | 94233 | 46.329 | ng | | 99 |
| 31) Naphthalene | 11.144 | 128 | 286456 | 40.295 | ng | | 100 |
| 32) Benzoic acid | 10.404 | 122 | 40192 | 30.309 | ng | | 99 |
| 33) 4-Chloroaniline | 11.244 | 127 | 119955 | 39.468 | ng | | 99 |
| 34) Hexachlorobutadiene | 11.414 | 225 | 58348 | 50.207 | ng | | 98 |
| 35) Caprolactam | 12.019 | 113 | 30333 | 32.794 | ng | # | 88 |
| 36) 4-Chloro-3-methylphenol | 12.348 | 107 | 95687 | 38.157 | ng | | 96 |
| 37) 2-Methylnaphthalene | 12.724 | 142 | 204965 | 39.989 | ng | | 98 |
| 38) 1-Methylnaphthalene | 12.942 | 142 | 198142 | 39.185 | ng | | 99 |
| 40) 1,2,4,5-Tetrachloroben... | 13.089 | 216 | 104143 | 47.595 | ng | | 98 |
| 41) Hexachlorocyclopentadiene | 13.059 | 237 | 41367 | 41.268 | ng | | 99 |
| 43) 2,4,6-Trichlorophenol | 13.324 | 196 | 73412 | 45.426 | ng | | 99 |

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| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 13.400 | 196 | 81337 | 45.503 | ng | | 94 |
| 46) 1,1'-Biphenyl | 13.717 | 154 | 257764 | 41.426 | ng | | 98 |
| 47) 2-Chloronaphthalene | 13.764 | 162 | 209154 | 42.627 | ng | | 96 |
| 48) 2-Nitroaniline | 13.964 | 65 | 66183 | 34.491 | ng | | 88 |
| 49) Acenaphthylene | 14.605 | 152 | 341779 | 40.351 | ng | | 100 |
| 50) Dimethylphthalate | 14.322 | 163 | 283062 | 39.740 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 14.446 | 165 | 61286 | 42.283 | ng | | 87 |
| 52) Acenaphthene | 14.939 | 154 | 217507m | 40.286 | ng | | |
| 53) 3-Nitroaniline | 14.781 | 138 | 69596 | 38.203 | ng | | 96 |
| 54) 2,4-Dinitrophenol | 14.992 | 184 | 31386 | 39.172 | ng | # | 89 |
| 55) Dibenzofuran | 15.274 | 168 | 332996 | 41.111 | ng | | 96 |
| 56) 4-Nitrophenol | 15.086 | 139 | 48796 | 37.450 | ng | | 93 |
| 57) 2,4-Dinitrotoluene | 15.233 | 165 | 88083 | 41.877 | ng | # | 85 |
| 58) Fluorene | 15.915 | 166 | 266677 | 39.568 | ng | | 98 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.498 | 232 | 69092 | 43.357 | ng | | 91 |
| 60) Diethylphthalate | 15.662 | 149 | 292166 | 38.560 | ng | | 99 |
| 61) 4-Chlorophenyl-phenyle... | 15.897 | 204 | 136862 | 44.190 | ng | | 95 |
| 62) 4-Nitroaniline | 15.938 | 138 | 72826 | 38.041 | ng | | 97 |
| 63) Azobenzene | 16.191 | 77 | 252099 | 34.153 | ng | | 96 |
| 65) 4,6-Dinitro-2-methylph... | 15.997 | 198 | 52255 | 45.783 | ng | | 83 |
| 66) n-Nitrosodiphenylamine | 16.115 | 169 | 236162 | 40.866 | ng | | 98 |
| 67) 4-Bromophenyl-phenylether | 16.790 | 248 | 93427 | 46.317 | ng | | 96 |
| 68) Hexachlorobenzene | 16.919 | 284 | 106997 | 46.914 | ng | | 94 |
| 69) Atrazine | 17.043 | 200 | 82794 | 42.133 | ng | | 98 |
| 70) Pentachlorophenol | 17.260 | 266 | 51232 | 41.042 | ng | | 95 |
| 71) Phenanthrene | 17.654 | 178 | 444988 | 40.188 | ng | | 100 |
| 72) Anthracene | 17.748 | 178 | 436875 | 40.360 | ng | | 100 |
| 73) Carbazole | 18.012 | 167 | 410178 | 39.397 | ng | | 99 |
| 74) Di-n-butylphthalate | 18.535 | 149 | 508674 | 39.085 | ng | | 99 |
| 75) Fluoranthene | 19.646 | 202 | 535909 | 41.537 | ng | | 97 |
| 77) Benzidine | 19.810 | 184 | 148597 | 30.077 | ng | | 98 |
| 78) Pyrene | 20.004 | 202 | 543462 | 38.857 | ng | | 99 |
| 80) Butylbenzylphthalate | 20.856 | 149 | 237551 | 35.943 | ng | | 89 |
| 81) Benzo(a)anthracene | 21.867 | 228 | 544810 | 39.761 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 21.773 | 252 | 189307 | 42.420 | ng | | 99 |
| 83) Chrysene | 21.937 | 228 | 522245 | 40.125 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 21.731 | 149 | 337997 | 35.800 | ng | # | 96 |
| 85) Di-n-octyl phthalate | 22.989 | 149 | 583894 | 37.122 | ng | # | 94 |
| 87) Indeno(1,2,3-cd)pyrene | 29.205 | 276 | 700341 | 41.371 | ng | # | 96 |
| 88) Benzo(b)fluoranthene | 24.199 | 252 | 562214 | 40.779 | ng | # | 97 |
| 89) Benzo(k)fluoranthene | 24.270 | 252 | 553584 | 39.765 | ng | # | 97 |
| 90) Benzo(a)pyrene | 25.122 | 252 | 479097 | 40.523 | ng | # | 97 |
| 91) Dibenzo(a,h)anthracene | 29.258 | 278 | 582291 | 41.915 | ng | # | 96 |
| 92) Benzo(g,h,i)perylene | 30.427 | 276 | 575258 | 41.749 | ng | | 97 |

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

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