Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG101322\
Data File : BG055159.D
Acq On : 13 Oct 2022 11:28
Operator : CG/JU
Sample : PB148265BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 14 01:20:51 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG101322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 13 05:14:13 2022
Response via : Initial Calibration

**Instrument :**
BNA_G
**ClientSampleId :**
PB148265BS

**Manual Integrations APPROVED**

Reviewed By :Christian Giraldo 10/14/2022
Supervised By :Jagrut Upadhyay 10/14/2022

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 8.305 | 152 | 26872 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 11.131 | 136 | 129666 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.915 | 164 | 109473 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.647 | 188 | 293885 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.930 | 240 | 283440 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 25.349 | 264 | 297042 | 20.000 | ng | | 0.01 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.819 | 112 | 211824 | 154.223 | ng | | 0.00 |
| 7) Phenol-d6 | 7.435 | 99 | 296440 | 145.903 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.474 | 82 | 185375 | 76.663 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.389 | 330 | 203366 | 129.285 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.546 | 172 | 491973 | 73.412 | ng | | 0.00 |
| 79) Terphenyl-d14 | 20.220 | 244 | 1119208 | 79.527 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.634 | 88 | 18632 | 32.059 | ng | | 95 |
| 3) Pyridine | 4.057 | 79 | 54137 | 29.540 | ng | | 97 |
| 4) n-Nitrosodimethylamine | 3.963 | 42 | 36510 | 37.542 | ng | | 98 |
| 6) Aniline | 7.611 | 93 | 110649 | 42.411 | ng | | 97 |
| 8) 2-Chlorophenol | 7.858 | 128 | 77650 | 46.362 | ng | | 99 |
| 9) Benzaldehyde | 7.423 | 77 | 48982 | 35.847 | ng | | 97 |
| 10) Phenol | 7.465 | 94 | 104252 | 46.185 | ng | | 99 |
| 11) bis(2-Chloroethyl)ether | 7.705 | 93 | 66353 | 41.560 | ng | | 97 |
| 12) 1,3-Dichlorobenzene | 8.193 | 146 | 76048 | 39.066 | ng | | 96 |
| 13) 1,4-Dichlorobenzene | 8.340 | 146 | 78145 | 39.760 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 8.663 | 146 | 76928 | 40.872 | ng | | 97 |
| 15) Benzyl Alcohol | 8.534 | 79 | 81180 | 44.693 | ng | | 97 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.828 | 45 | 111464 | 41.763 | ng | | 98 |
| 17) 2-Methylphenol | 8.728 | 107 | 73093 | 45.006 | ng | | 92 |
| 18) Hexachloroethane | 9.403 | 117 | 26029 | 39.067 | ng | | 99 |
| 19) n-Nitroso-di-n-propyla... | 9.104 | 70 | 66619 | 40.628 | ng | | 99 |
| 20) 3+4-Methylphenols | 9.057 | 107 | 102370 | 43.932 | ng | | 96 |
| 22) Acetophenone | 9.127 | 105 | 124185 | 38.681 | ng | # | 100 |
| 24) Nitrobenzene | 9.515 | 77 | 94064 | 37.601 | ng | | 99 |
| 25) Isophorone | 10.038 | 82 | 190798 | 40.631 | ng | | 98 |
| 26) 2-Nitrophenol | 10.232 | 139 | 46980 | 39.637 | ng | | 99 |
| 27) 2,4-Dimethylphenol | 10.273 | 122 | 86267 | 47.858 | ng | | 98 |
| 28) bis(2-Chloroethoxy)met... | 10.514 | 93 | 99548 | 42.776 | ng | | 97 |
| 29) 2,4-Dichlorophenol | 10.767 | 162 | 88510 | 41.084 | ng | | 96 |
| 30) 1,2,4-Trichlorobenzene | 10.990 | 180 | 83320 | 35.853 | ng | | 99 |
| 31) Naphthalene | 11.184 | 128 | 253874 | 37.229 | ng | | 100 |
| 32) Benzoic acid | 10.396 | 122 | 52977 | 35.526 | ng | | 94 |
| 33) 4-Chloroaniline | 11.278 | 127 | 101950 | 34.781 | ng | | 96 |
| 34) Hexachlorobutadiene | 11.460 | 225 | 52372 | 35.344 | ng | | 98 |
| 35) Caprolactam | 12.042 | 113 | 38088m | 43.036 | ng | | |
| 36) 4-Chloro-3-methylphenol | 12.371 | 107 | 107103 | 44.085 | ng | | 95 |
| 37) 2-Methylnaphthalene | 12.764 | 142 | 194925 | 38.172 | ng | | 97 |
| 38) 1-Methylnaphthalene | 12.982 | 142 | 188895 | 37.914 | ng | | 99 |
| 40) 1,2,4,5-Tetrachloroben... | 13.123 | 216 | 110650 | 35.836 | ng | | 99 |
| 41) Hexachlorocyclopentadiene | 13.105 | 237 | 137289 | 88.986 | ng | | 98 |
| 43) 2,4,6-Trichlorophenol | 13.352 | 196 | 84331 | 37.577 | ng | | 97 |

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| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 13.422 | 196 | 94947 | 38.127 | ng | 99 |
| 46) 1,1'-Biphenyl | 13.751 | 154 | 276557 | 38.051 | ng | 99 |
| 47) 2-Chloronaphthalene | 13.798 | 162 | 215332 | 36.626 | ng | 100 |
| 48) 2-Nitroaniline | 13.992 | 65 | 81627 | 38.917 | ng | 96 |
| 49) Acenaphthylene | 14.638 | 152 | 370008 | 37.490 | ng | 99 |
| 50) Dimethylphthalate | 14.356 | 163 | 335616 | 38.139 | ng | 99 |
| 51) 2,6-Dinitrotoluene | 14.474 | 165 | 72499 | 40.035 | ng | 98 |
| 52) Acenaphthene | 14.979 | 154 | 270299 | 42.336 | ng | 98 |
| 53) 3-Nitroaniline | 14.803 | 138 | 70575 | 33.615 | ng | 98 |
| 54) 2,4-Dinitrophenol | 15.009 | 184 | 92920 | 84.352 | ng | 91 |
| 55) Dibenzofuran | 15.308 | 168 | 375571 | 37.704 | ng | 98 |
| 56) 4-Nitrophenol | 15.097 | 139 | 139499 | 85.325 | ng | 95 |
| 57) 2,4-Dinitrotoluene | 15.255 | 165 | 108041 | 40.734 | ng | 97 |
| 58) Fluorene | 15.955 | 166 | 310842 | 38.005 | ng | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.526 | 232 | 92760 | 37.746 | ng | 98 |
| 60) Diethylphthalate | 15.702 | 149 | 356431 | 38.454 | ng | 99 |
| 61) 4-Chlorophenyl-phenyle... | 15.937 | 204 | 168596 | 38.498 | ng | 100 |
| 62) 4-Nitroaniline | 15.960 | 138 | 86009 | 37.945 | ng | 98 |
| 63) Azobenzene | 16.231 | 77 | 304563 | 38.704 | ng | 98 |
| 65) 4,6-Dinitro-2-methylph... | 16.013 | 198 | 66252 | 38.354 | ng | 98 |
| 66) n-Nitrosodiphenylamine | 16.148 | 169 | 289368 | 37.323 | ng | 99 |
| 67) 4-Bromophenyl-phenylether | 16.830 | 248 | 118196 | 36.893 | ng | 96 |
| 68) Hexachlorobenzene | 16.948 | 284 | 134140 | 36.429 | ng | 99 |
| 69) Atrazine | 17.083 | 200 | 131899 | 43.152 | ng | 99 |
| 70) Pentachlorophenol | 17.288 | 266 | 168325 | 76.724 | ng | 96 |
| 71) Phenanthrene | 17.688 | 178 | 560594 | 36.775 | ng | 99 |
| 72) Anthracene | 17.776 | 178 | 568848 | 38.185 | ng | 100 |
| 73) Carbazole | 18.040 | 167 | 537632 | 38.761 | ng | 99 |
| 74) Di-n-butylphthalate | 18.581 | 149 | 649009 | 38.009 | ng | 99 |
| 75) Fluoranthene | 19.674 | 202 | 711966 | 37.363 | ng | 98 |
| 77) Benzidine | 19.844 | 184 | 426317 | 67.071 | ng | 99 |
| 78) Pyrene | 20.038 | 202 | 704957 | 37.309 | ng | 98 |
| 80) Butylbenzylphthalate | 20.902 | 149 | 283514 | 39.087 | ng | 99 |
| 81) Benzo(a)anthracene | 21.906 | 228 | 677523 | 37.360 | ng | 99 |
| 82) 3,3'-Dichlorobenzidine | 21.812 | 252 | 230910 | 37.102 | ng | 99 |
| 83) Chrysene | 21.977 | 228 | 636951 | 37.233 | ng | 100 |
| 84) Bis(2-ethylhexyl)phtha... | 21.789 | 149 | 400306 | 38.744 | ng | 100 |
| 85) Di-n-octyl phthalate | 23.070 | 149 | 679138 | 39.426 | ng | 99 |
| 87) Indeno(1,2,3-cd)pyrene | 29.286 | 276 | 829408 | 37.695 | ng | 98 |
| 88) Benzo(b)fluoranthene | 24.257 | 252 | 727254 | 41.077 | ng | 99 |
| 89) Benzo(k)fluoranthene | 24.333 | 252 | 707398 | 39.769 | ng | 99 |
| 90) Benzo(a)pyrene | 25.191 | 252 | 639483 | 42.240 | ng | 98 |
| 91) Dibenzo(a,h)anthracene | 29.357 | 278 | 724147 | 39.771 | ng | 99 |
| 92) Benzo(g,h,i)perylene | 30.526 | 276 | 712601 | 39.953 | ng | 97 |

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

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