Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051223\
Data File : BG057418.D
Acq On : 12 May 2023 21:02
Operator : CG/JU
Sample : PB152721BS
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: May 13 03:21:32 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 12 22:04:03 2023
Response via : Initial Calibration

**Instrument :**
BNA_G
**ClientSampleId :**
PB152721BS

**Manual Integrations APPROVED**

Reviewed By :Christian Giraldo 05/15/2023
Supervised By :Yogesh Patel 05/16/2023

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 8.363 | 152 | 15535 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 11.200 | 136 | 67945 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.977 | 164 | 54735 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.720 | 188 | 140067 | 20.000 | ng | # | 0.00 |
| 76) Chrysene-d12 | 22.026 | 240 | 123273 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 25.533 | 264 | 127307 | 20.000 | ng | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.878 | 112 | 111323 | 122.581 | ng | | 0.00 |
| 7) Phenol-d6 | 7.511 | 99 | 169034 | 122.571 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.543 | 82 | 101558 | 62.734 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.463 | 330 | 89115 | 114.745 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.602 | 172 | 273536 | 67.306 | ng | | 0.00 |
| 79) Terphenyl-d14 | 20.288 | 244 | 490878 | 64.984 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.675 | 88 | 13111 | 34.916 | ng | | 98 |
| 3) Pyridine | 4.098 | 79 | 35378 | 29.317 | ng | | 96 |
| 4) n-Nitrosodimethylamine | 4.004 | 42 | 20485 | 36.123 | ng | # | 89 |
| 6) Aniline | 7.675 | 93 | 69010 | 39.446 | ng | | 97 |
| 8) 2-Chlorophenol | 7.922 | 128 | 48174 | 50.201 | ng | | 95 |
| 9) Benzaldehyde | 7.487 | 77 | 30079 | 41.366 | ng | | 97 |
| 10) Phenol | 7.534 | 94 | 68769 | 51.154 | ng | | 99 |
| 11) bis(2-Chloroethyl)ether | 7.763 | 93 | 43093 | 42.510 | ng | | 99 |
| 12) 1,3-Dichlorobenzene | 8.251 | 146 | 48618 | 45.904 | ng | | 97 |
| 13) 1,4-Dichlorobenzene | 8.398 | 146 | 49834 | 46.842 | ng | | 95 |
| 14) 1,2-Dichlorobenzene | 8.721 | 146 | 47483 | 46.233 | ng | | 95 |
| 15) Benzyl Alcohol | 8.597 | 79 | 53569 | 46.628 | ng | | 99 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.885 | 45 | 52789 | 41.316 | ng | | 97 |
| 17) 2-Methylphenol | 8.803 | 107 | 47157 | 48.662 | ng | | 98 |
| 18) Hexachloroethane | 9.461 | 117 | 18132 | 47.228 | ng | | 97 |
| 19) n-Nitroso-di-n-propyla... | 9.161 | 70 | 42870 | 40.768 | ng | | 99 |
| 20) 3+4-Methylphenols | 9.132 | 107 | 65050 | 49.023 | ng | | 96 |
| 22) Acetophenone | 9.191 | 105 | 78056 | 40.138 | ng | # | 98 |
| 24) Nitrobenzene | 9.584 | 77 | 63904 | 39.110 | ng | | 96 |
| 25) Isophorone | 10.107 | 82 | 118099 | 37.621 | ng | | 97 |
| 26) 2-Nitrophenol | 10.301 | 139 | 29103 | 46.532 | ng | | 97 |
| 27) 2,4-Dimethylphenol | 10.348 | 122 | 54260 | 49.545 | ng | | 99 |
| 28) bis(2-Chloroethoxy)met... | 10.577 | 93 | 65207 | 41.464 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 10.841 | 162 | 58059 | 49.984 | ng | | 93 |
| 30) 1,2,4-Trichlorobenzene | 11.059 | 180 | 57656 | 43.035 | ng | | 98 |
| 31) Naphthalene | 11.253 | 128 | 152246 | 41.913 | ng | | 99 |
| 32) Benzoic acid | 10.495 | 122 | 29534m | 46.888 | ng | | |
| 33) 4-Chloroaniline | 11.353 | 127 | 50281 | 30.823 | ng | | 99 |
| 34) Hexachlorobutadiene | 11.523 | 225 | 41418 | 41.664 | ng | | 98 |
| 35) Caprolactam | 12.122 | 113 | 18118m | 45.663 | ng | | |
| 36) 4-Chloro-3-methylphenol | 12.451 | 107 | 63212 | 47.888 | ng | | 98 |
| 37) 2-Methylnaphthalene | 12.833 | 142 | 117651 | 41.195 | ng | | 98 |
| 38) 1-Methylnaphthalene | 13.044 | 142 | 112069 | 41.632 | ng | | 97 |
| 40) 1,2,4,5-Tetrachloroben... | 13.191 | 216 | 84948 | 43.717 | ng | | 99 |
| 41) Hexachlorocyclopentadiene | 13.162 | 237 | 82278 | 87.455 | ng | | 98 |
| 43) 2,4,6-Trichlorophenol | 13.426 | 196 | 55874 | 47.198 | ng | | 97 |

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| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 13.503 | 196 | 58780 | 42.211 | ng | | 98 |
| 46) 1,1'-Biphenyl | 13.814 | 154 | 173574 | 42.736 | ng | | 99 |
| 47) 2-Chloronaphthalene | 13.867 | 162 | 132836 | 43.982 | ng | | 98 |
| 48) 2-Nitroaniline | 14.067 | 65 | 43493 | 42.352 | ng | | 88 |
| 49) Acenaphthylene | 14.707 | 152 | 210583 | 42.917 | ng | | 100 |
| 50) Dimethylphthalate | 14.419 | 163 | 182213 | 40.511 | ng | | 98 |
| 51) 2,6-Dinitrotoluene | 14.548 | 165 | 40645 | 44.259 | ng | | 91 |
| 52) Acenaphthene | 15.042 | 154 | 131938 | 43.031 | ng | | 97 |
| 53) 3-Nitroaniline | 14.883 | 138 | 29152 | 31.686 | ng | | 93 |
| 54) 2,4-Dinitrophenol | 15.095 | 184 | 50126 | 87.638 | ng | | 98 |
| 55) Dibenzofuran | 15.377 | 168 | 220235 | 42.750 | ng | | 97 |
| 56) 4-Nitrophenol | 15.189 | 139 | 56164 | 91.786 | ng | | 93 |
| 57) 2,4-Dinitrotoluene | 15.335 | 165 | 57989 | 44.183 | ng | # | 94 |
| 58) Fluorene | 16.017 | 166 | 180477 | 42.531 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.600 | 232 | 57798 | 45.781 | ng | # | 100 |
| 60) Diethylphthalate | 15.758 | 149 | 182623 | 39.981 | ng | | 98 |
| 61) 4-Chlorophenyl-phenyle... | 15.999 | 204 | 107580 | 42.083 | ng | | 97 |
| 62) 4-Nitroaniline | 16.040 | 138 | 38332 | 41.300 | ng | | 97 |
| 63) Azobenzene | 16.293 | 77 | 169107 | 38.370 | ng | | 96 |
| 65) 4,6-Dinitro-2-methylph... | 16.099 | 198 | 41264 | 49.344 | ng | | 98 |
| 66) n-Nitrosodiphenylamine | 16.211 | 169 | 159057 | 41.811 | ng | | 98 |
| 67) 4-Bromophenyl-phenylether | 16.892 | 248 | 72337 | 42.306 | ng | | 97 |
| 68) Hexachlorobenzene | 17.027 | 284 | 75307 | 45.322 | ng | | 96 |
| 69) Atrazine | 17.145 | 200 | 70441 | 48.540 | ng | | 96 |
| 70) Pentachlorophenol | 17.368 | 266 | 83462 | 87.157 | ng | | 96 |
| 71) Phenanthrene | 17.762 | 178 | 297533 | 41.455 | ng | | 100 |
| 72) Anthracene | 17.856 | 178 | 304107 | 41.294 | ng | | 98 |
| 73) Carbazole | 18.120 | 167 | 264104 | 42.598 | ng | | 99 |
| 74) Di-n-butylphthalate | 18.637 | 149 | 294866 | 41.336 | ng | | 98 |
| 75) Fluoranthene | 19.753 | 202 | 359933 | 40.321 | ng | | 97 |
| 77) Benzidine | 19.917 | 184 | 237815 | 86.292 | ng | | 100 |
| 78) Pyrene | 20.111 | 202 | 363690 | 40.601 | ng | | 100 |
| 80) Butylbenzylphthalate | 20.963 | 149 | 128091 | 45.067 | ng | | 95 |
| 81) Benzo(a)anthracene | 22.009 | 228 | 365889 | 41.660 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 21.903 | 252 | 95668 | 34.007 | ng | | 96 |
| 83) Chrysene | 22.079 | 228 | 329671 | 39.894 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 21.850 | 149 | 180636 | 42.955 | ng | | 99 |
| 85) Di-n-octyl phthalate | 23.142 | 149 | 302232 | 43.110 | ng | | 98 |
| 87) Indeno(1,2,3-cd)pyrene | 29.581 | 276 | 406797 | 43.844 | ng | # | 96 |
| 88) Benzo(b)fluoranthene | 24.411 | 252 | 371464 | 44.637 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 24.482 | 252 | 354515 | 41.922 | ng | | 100 |
| 90) Benzo(a)pyrene | 25.369 | 252 | 323475 | 39.787 | ng | | 98 |
| 91) Dibenzo(a,h)anthracene | 29.645 | 278 | 337674 | 43.701 | ng | | 100 |
| 92) Benzo(g,h,i)perylene | 30.861 | 276 | 324341 | 42.989 | ng | | 98 |

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

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