Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG123022\
Data File : BG056173.D
Acq On : 30 Dec 2022 16:32
Operator : CG/JU
Sample : N6242-04MS
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
MM-4MS

**Manual Integrations APPROVED**

Reviewed By :Jagrut Upadhyay 01/03/2023
Supervised By :Yogesh Patel 01/03/2023

Quant Time: Dec 31 00:18:21 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 28 05:20:14 2022
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 8.334 | 152 | 94320 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 11.172 | 136 | 341760 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.944 | 164 | 289092 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.682 | 188 | 752472 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.977 | 240 | 733002 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 25.438 | 264 | 824702 | 20.000 | ng | | 0.01 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.861 | 112 | 357754 | 67.724 | ng | | 0.00 |
| 7) Phenol-d6 | 7.476 | 99 | 493140 | 60.788 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.509 | 82 | 257562 | 38.550 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.425 | 330 | 228720 | 62.470 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.575 | 172 | 830427 | 39.667 | ng | | 0.00 |
| 79) Terphenyl-d14 | 20.256 | 244 | 1690867 | 41.315 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.681 | 88 | 47150 | 19.541 | ng | | 98 |
| 3) Pyridine | 4.092 | 79 | 125343 | 17.056 | ng | # | 95 |
| 4) n-Nitrosodimethylamine | 4.004 | 42 | 29582 | 19.788 | ng | | 96 |
| 6) Aniline | 7.647 | 93 | 143689 | 13.506 | ng | | 95 |
| 8) 2-Chlorophenol | 7.894 | 128 | 116928 | 22.244 | ng | | 97 |
| 9) Benzaldehyde | 7.465 | 77 | 69786 | 14.467 | ng | | 97 |
| 10) Phenol | 7.500 | 94 | 174749 | 21.240 | ng | | 97 |
| 11) bis(2-Chloroethyl)ether | 7.741 | 93 | 106156 | 19.040 | ng | | 96 |
| 12) 1,3-Dichlorobenzene | 8.229 | 146 | 139038 | 21.732 | ng | | 95 |
| 13) 1,4-Dichlorobenzene | 8.375 | 146 | 139828 | 21.765 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 8.699 | 146 | 135630 | 21.879 | ng | | 97 |
| 15) Benzyl Alcohol | 8.569 | 79 | 110227 | 18.669 | ng | | 98 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.857 | 45 | 17867 | 18.135 | ng | | 91 |
| 17) 2-Methylphenol | 8.763 | 107 | 116894 | 19.363 | ng | | 96 |
| 18) Hexachloroethane | 9.433 | 117 | 43757 | 22.420 | ng | | 89 |
| 19) n-Nitroso-di-n-propyla... | 9.139 | 70 | 84641 | 17.158 | ng | | 98 |
| 20) 3+4-Methylphenols | 9.092 | 107 | 160515 | 18.912 | ng | | 96 |
| 22) Acetophenone | 9.163 | 105 | 189384 | 19.598 | ng | # | 93 |
| 24) Nitrobenzene | 9.556 | 77 | 126753 | 19.143 | ng | | 98 |
| 25) Isophorone | 10.073 | 82 | 247170 | 17.583 | ng | | 96 |
| 26) 2-Nitrophenol | 10.267 | 139 | 73793 | 21.782 | ng | | 98 |
| 27) 2,4-Dimethylphenol | 10.308 | 122 | 131740 | 21.321 | ng | | 98 |
| 28) bis(2-Chloroethoxy)met... | 10.549 | 93 | 142191 | 19.461 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 10.802 | 162 | 151803 | 22.222 | ng | | 96 |
| 30) 1,2,4-Trichlorobenzene | 11.025 | 180 | 166369 | 21.461 | ng | | 99 |
| 31) Naphthalene | 11.219 | 128 | 357732 | 19.889 | ng | | 99 |
| 32) Benzoic acid | 10.414 | 122 | 75187 | 16.400 | ng | | 95 |
| 33) 4-Chloroaniline | 11.313 | 127 | 87727 | 10.216 | ng | | 97 |
| 34) Hexachlorobutadiene | 11.495 | 225 | 120286 | 21.574 | ng | | 95 |
| 35) Caprolactam | 12.083 | 113 | 43618m | 18.859 | ng | | |
| 36) 4-Chloro-3-methylphenol | 12.406 | 107 | 140409 | 20.256 | ng | | 99 |
| 37) 2-Methylnaphthalene | 12.800 | 142 | 284161 | 18.711 | ng | | 98 |
| 38) 1-Methylnaphthalene | 13.017 | 142 | 264030 | 18.722 | ng | | 97 |
| 40) 1,2,4,5-Tetrachloroben... | 13.158 | 216 | 221743 | 20.465 | ng | | 98 |
| 41) Hexachlorocyclopentadiene | 13.135 | 237 | 313107 | 50.686 | ng | | 95 |
| 43) 2,4,6-Trichlorophenol | 13.387 | 196 | 153694 | 21.452 | ng | | 98 |

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Misc :
ALS Vial : 10 Sample Multiplier: 1

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| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 13.458 | 196 | 165249 | 19.498 | ng | | 98 |
| 46) 1,1'-Biphenyl | 13.787 | 154 | 424266 | 20.492 | ng | | 100 |
| 47) 2-Chloronaphthalene | 13.834 | 162 | 334949 | 20.496 | ng | | 98 |
| 48) 2-Nitroaniline | 14.028 | 65 | 67284 | 19.324 | ng | | 97 |
| 49) Acenaphthylene | 14.674 | 152 | 516320 | 19.415 | ng | | 100 |
| 50) Dimethylphthalate | 14.386 | 163 | 448927 | 19.236 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 14.509 | 165 | 94367 | 18.977 | ng | | 96 |
| 52) Acenaphthene | 15.009 | 154 | 364787 | 21.091 | ng | | 99 |
| 53) 3-Nitroaniline | 14.838 | 138 | 54136 | 11.439 | ng | | 97 |
| 54) 2,4-Dinitrophenol | 15.044 | 184 | 124892 | 35.156 | ng | | 96 |
| 55) Dibenzofuran | 15.338 | 168 | 550362 | 19.229 | ng | | 97 |
| 56) 4-Nitrophenol | 15.132 | 139 | 148169 | 40.708 | ng | | 92 |
| 57) 2,4-Dinitrotoluene | 15.291 | 165 | 140500 | 20.203 | ng | | 91 |
| 58) Fluorene | 15.984 | 166 | 439522 | 19.092 | ng | | 96 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.555 | 232 | 167625m | 21.064 | ng | | |
| 60) Diethylphthalate | 15.732 | 149 | 414702 | 18.948 | ng | | 99 |
| 61) 4-Chlorophenyl-phenyle... | 15.967 | 204 | 279152 | 19.431 | ng | | 99 |
| 62) 4-Nitroaniline | 15.996 | 138 | 90714 | 18.712 | ng | | 96 |
| 63) Azobenzene | 16.260 | 77 | 313936 | 18.588 | ng | | 97 |
| 65) 4,6-Dinitro-2-methylph... | 16.049 | 198 | 98646 | 19.458 | ng | | 94 |
| 66) n-Nitrosodiphenylamine | 16.178 | 169 | 410772 | 19.675 | ng | | 98 |
| 67) 4-Bromophenyl-phenylether | 16.860 | 248 | 188597 | 19.682 | ng | | 97 |
| 68) Hexachlorobenzene | 16.989 | 284 | 186271 | 20.836 | ng | | 94 |
| 69) Atrazine | 17.112 | 200 | 182584 | 21.102 | ng | | 97 |
| 70) Pentachlorophenol | 17.324 | 266 | 256245 | 37.314 | ng | | 98 |
| 71) Phenanthrene | 17.723 | 178 | 776598 | 19.915 | ng | | 97 |
| 72) Anthracene | 17.811 | 178 | 791366 | 19.673 | ng | | 100 |
| 73) Carbazole | 18.076 | 167 | 683121 | 20.203 | ng | | 98 |
| 74) Di-n-butylphthalate | 18.605 | 149 | 689120 | 20.445 | ng | | 99 |
| 75) Fluoranthene | 19.709 | 202 | 996215 | 19.585 | ng | | 99 |
| 77) Benzidine | 19.880 | 184 | 400744 | 15.601 | ng | | 99 |
| 78) Pyrene | 20.073 | 202 | 1006968 | 19.490 | ng | | 99 |
| 80) Butylbenzylphthalate | 20.931 | 149 | 290173 | 19.577 | ng | | 98 |
| 81) Benzo(a)anthracene | 21.954 | 228 | 1005218 | 19.525 | ng | | 98 |
| 82) 3,3'-Dichlorobenzidine | 21.854 | 252 | 209727 | 11.316 | ng | | 98 |
| 83) Chrysene | 22.030 | 228 | 932025 | 19.327 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 21.824 | 149 | 412119 | 19.299 | ng | | 99 |
| 85) Di-n-octyl phthalate | 23.111 | 149 | 711469 | 19.735 | ng | | 100 |
| 87) Indeno(1,2,3-cd)pyrene | 29.410 | 276 | 1189392 | 19.831 | ng | # | 98 |
| 88) Benzo(b)fluoranthene | 24.327 | 252 | 1055515 | 20.144 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 24.404 | 252 | 1042284 | 19.975 | ng | | 99 |
| 90) Benzo(a)pyrene | 25.273 | 252 | 939577 | 18.384 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 29.480 | 278 | 988224 | 19.652 | ng | | 96 |
| 92) Benzo(g,h,i)perylene | 30.667 | 276 | 955815 | 19.601 | ng | | 99 |

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

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