Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110922\
Data File : BG055519.D
Acq On : 9 Nov 2022 11:47
Operator : CG/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 10 02:53:10 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG110922.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 10 02:52:33 2022
Response via : Initial Calibration

**Instrument :**
BNA_G
**ClientSampleId :**
SSTDICC010

**Manual Integrations APPROVED**

Reviewed By :Christian Giraldo 11/10/2022
Supervised By :Jagrut Upadhyay 11/10/2022

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 8.270 | 152 | 44149 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 11.096 | 136 | 190054 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.886 | 164 | 140602 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.630 | 188 | 330879 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.925 | 240 | 324741 | 20.000 | ng | # | 0.00 |
| 86) Perylene-d12 | 25.344 | 264 | 339937 | 20.000 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.791 | 112 | 45721 | 19.725 | ng | | 0.00 |
| 7) Phenol-d6 | 7.395 | 99 | 63296 | 19.769 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.439 | 82 | 48284 | 19.355 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.367 | 330 | 23147 | 19.212 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.517 | 172 | 192925 | 20.697 | ng | | 0.00 |
| 79) Terphenyl-d14 | 20.215 | 244 | 343363 | 21.237 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.634 | 88 | 12512 | 10.628 | ng | | 96 |
| 3) Pyridine | 4.052 | 79 | 31918 | 9.905 | ng | | 94 |
| 4) n-Nitrosodimethylamine | 3.958 | 42 | 17638 | 9.899 | ng | # | 91 |
| 6) Aniline | 7.583 | 93 | 43271 | 10.175 | ng | | 94 |
| 8) 2-Chlorophenol | 7.824 | 128 | 24593 | 9.477 | ng | | 96 |
| 9) Benzaldehyde | 7.395 | 77 | 27971 | 11.073 | ng | | 96 |
| 10) Phenol | 7.418 | 94 | 36746 | 9.969 | ng | | 96 |
| 11) bis(2-Chloroethyl)ether | 7.671 | 93 | 30670 | 10.335 | ng | | 99 |
| 12) 1,3-Dichlorobenzene | 8.159 | 146 | 33113 | 10.215 | ng | | 91 |
| 13) 1,4-Dichlorobenzene | 8.305 | 146 | 33252 | 10.136 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 8.629 | 146 | 32006 | 10.274 | ng | | 95 |
| 15) Benzyl Alcohol | 8.499 | 79 | 27255 | 9.762 | ng | | 97 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.793 | 45 | 59128 | 10.369 | ng | | 98 |
| 17) 2-Methylphenol | 8.693 | 107 | 26049 | 10.043 | ng | | 99 |
| 18) Hexachloroethane | 9.369 | 117 | 10489 | 9.631 | ng | | 93 |
| 19) n-Nitroso-di-n-propyla... | 9.069 | 70 | 27855 | 10.527 | ng | | 97 |
| 20) 3+4-Methylphenols | 9.016 | 107 | 35937 | 9.945 | ng | | 99 |
| 22) Acetophenone | 9.093 | 105 | 52184 | 10.322 | ng | | 96 |
| 24) Nitrobenzene | 9.481 | 77 | 27749 | 10.153 | ng | | 99 |
| 25) Isophorone | 10.003 | 82 | 70666 | 9.866 | ng | | 96 |
| 26) 2-Nitrophenol | 10.197 | 139 | 7321 | 9.931 | ng | | 97 |
| 27) 2,4-Dimethylphenol | 10.238 | 122 | 24040 | 7.931 | ng | | 97 |
| 28) bis(2-Chloroethoxy)met... | 10.485 | 93 | 39004 | 10.100 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 10.732 | 162 | 24888 | 8.844 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 10.955 | 180 | 35754 | 10.142 | ng | | 97 |
| 31) Naphthalene | 11.149 | 128 | 104140 | 10.135 | ng | | 99 |
| 32) Benzoic acid | 10.291 | 122 | 8447m | 11.421 | ng | | |
| 33) 4-Chloroaniline | 11.243 | 127 | 43688 | 10.172 | ng | | 97 |
| 34) Hexachlorobutadiene | 11.431 | 225 | 23338 | 9.927 | ng | | 94 |
| 35) Caprolactam | 11.983 | 113 | 8696 | 8.599 | ng | # | 83 |
| 36) 4-Chloro-3-methylphenol | 12.336 | 107 | 31273 | 9.427 | ng | | 99 |
| 37) 2-Methylnaphthalene | 12.736 | 142 | 78890 | 10.219 | ng | | 98 |
| 38) 1-Methylnaphthalene | 12.953 | 142 | 78178 | 10.352 | ng | | 98 |
| 40) 1,2,4,5-Tetrachloroben... | 13.094 | 216 | 41498 | 9.881 | ng | | 99 |
| 41) Hexachlorocyclopentadiene | 13.076 | 237 | 15129 | 8.063 | ng | | 100 |
| 43) 2,4,6-Trichlorophenol | 13.323 | 196 | 20741 | 10.361 | ng | | 95 |

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| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 13.394 | 196 | 25139 | 10.253 | ng | | 97 |
| 46) 1,1'-Biphenyl | 13.729 | 154 | 104684 | 10.177 | ng | | 100 |
| 47) 2-Chloronaphthalene | 13.770 | 162 | 80179 | 10.092 | ng | | 98 |
| 48) 2-Nitroaniline | 13.958 | 65 | 13138 | 10.993 | ng | | 93 |
| 49) Acenaphthylene | 14.616 | 152 | 134714 | 10.248 | ng | | 98 |
| 50) Dimethylphthalate | 14.328 | 163 | 105750 | 9.898 | ng | | 100 |
| 51) 2,6-Dinitrotoluene | 14.451 | 165 | 12764 | 10.417 | ng | | 94 |
| 52) Acenaphthene | 14.951 | 154 | 82430 | 10.044 | ng | | 99 |
| 53) 3-Nitroaniline | 14.774 | 138 | 15812 | 10.221 | ng | # | 98 |
| 54) 2,4-Dinitrophenol | 14.974 | 184 | 4769 | 8.855 | ng | # | 21 |
| 55) Dibenzofuran | 15.286 | 168 | 136228 | 10.383 | ng | | 97 |
| 56) 4-Nitrophenol | 15.056 | 139 | 10773 | 11.302 | ng | | 96 |
| 57) 2,4-Dinitrotoluene | 15.227 | 165 | 15749 | 10.572 | ng | | 97 |
| 58) Fluorene | 15.932 | 166 | 107975 | 10.344 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.497 | 232 | 22617 | 10.198 | ng | # | 98 |
| 60) Diethylphthalate | 15.685 | 149 | 108634 | 9.995 | ng | | 99 |
| 61) 4-Chlorophenyl-phenyle... | 15.914 | 204 | 56776 | 10.226 | ng | | 99 |
| 62) 4-Nitroaniline | 15.932 | 138 | 17822 | 9.902 | ng | | 91 |
| 63) Azobenzene | 16.208 | 77 | 109709 | 10.414 | ng | | 99 |
| 65) 4,6-Dinitro-2-methylph... | 15.985 | 198 | 6923 | 10.147 | ng | | 99 |
| 66) n-Nitrosodiphenylamine | 16.126 | 169 | 93299 | 10.065 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 16.813 | 248 | 34626 | 10.258 | ng | | 96 |
| 68) Hexachlorobenzene | 16.931 | 284 | 40453 | 10.081 | ng | | 98 |
| 69) Atrazine | 17.060 | 200 | 32198 | 9.598 | ng | | 98 |
| 70) Pentachlorophenol | 17.266 | 266 | 15808 | 11.371 | ng | | 93 |
| 71) Phenanthrene | 17.671 | 178 | 186136 | 10.467 | ng | | 98 |
| 72) Anthracene | 17.759 | 178 | 181242 | 10.400 | ng | | 98 |
| 73) Carbazole | 18.023 | 167 | 164137 | 10.422 | ng | | 98 |
| 74) Di-n-butylphthalate | 18.570 | 149 | 168654 | 9.340 | ng | | 99 |
| 75) Fluoranthene | 19.663 | 202 | 220779 | 10.411 | ng | | 99 |
| 77) Benzidine | 19.833 | 184 | 82151 | 9.351 | ng | | 96 |
| 78) Pyrene | 20.021 | 202 | 229073 | 10.423 | ng | | 98 |
| 80) Butylbenzylphthalate | 20.902 | 149 | 58529 | 9.866 | ng | | 98 |
| 81) Benzo(a)anthracene | 21.907 | 228 | 225007 | 10.116 | ng | | 100 |
| 82) 3,3'-Dichlorobenzidine | 21.807 | 252 | 70161 | 9.665 | ng | | 96 |
| 83) Chrysene | 21.978 | 228 | 214698 | 10.151 | ng | | 97 |
| 84) Bis(2-ethylhexyl)phtha... | 21.801 | 149 | 94345 | 9.686 | ng | | 99 |
| 85) Di-n-octyl phthalate | 23.088 | 149 | 143530 | 7.488 | ng | # | 95 |
| 87) Indeno(1,2,3-cd)pyrene | 29.269 | 276 | 254413 | 9.826 | ng | | 98 |
| 88) Benzo(b)fluoranthene | 24.251 | 252 | 216074 | 10.032 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 24.322 | 252 | 224030 | 10.174 | ng | | 99 |
| 90) Benzo(a)pyrene | 25.186 | 252 | 185523 | 9.999 | ng | | 100 |
| 91) Dibenzo(a,h)anthracene | 29.357 | 278 | 214076 | 9.989 | ng | | 96 |
| 92) Benzo(g,h,i)perylene | 30.509 | 276 | 207723 | 9.915 | ng | | 100 |

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

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