Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051322\
Data File : BG053542.D
Acq On : 13 May 2022 14:25
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 14 03:13:22 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG050522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 11 06:00:46 2022
Response via : Initial Calibration

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

**Manual Integrations APPROVED**

Reviewed By :Christian Giraldo 05/16/2022
Supervised By :Jagrut Upadhyay 05/16/2022

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 8.087 | 152 | 28412 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.895 | 136 | 119521 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.713 | 164 | 93380 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.456 | 188 | 224358 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.739 | 240 | 217624 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 25.011 | 264 | 230008 | 20.000 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.649 | 112 | 134789 | 80.514 | ng | | 0.00 |
| 7) Phenol-d6 | 7.253 | 99 | 213997 | 84.227 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.250 | 82 | 234996 | 83.696 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.199 | 330 | 112793 | 81.897 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.339 | 172 | 517358 | 80.960 | ng | | 0.00 |
| 79) Terphenyl-d14 | 20.059 | 244 | 945114 | 80.885 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.528 | 88 | 32904 | 37.460 | ng | | 95 |
| 3) Pyridine | 3.934 | 79 | 89784 | 41.854 | ng | | 97 |
| 4) n-Nitrosodimethylamine | 3.845 | 42 | 45324 | 43.374 | ng | | 96 |
| 6) Aniline | 7.405 | 93 | 118550 | 42.128 | ng | | 95 |
| 8) 2-Chlorophenol | 7.652 | 128 | 71820 | 41.037 | ng | | 93 |
| 9) Benzaldehyde | 7.223 | 77 | 63145m | 39.121 | ng | | |
| 10) Phenol | 7.276 | 94 | 104451 | 42.034 | ng | | 97 |
| 11) bis(2-Chloroethyl)ether | 7.499 | 93 | 74851 | 40.389 | ng | | 97 |
| 12) 1,3-Dichlorobenzene | 7.975 | 146 | 82299 | 39.861 | ng | | 94 |
| 13) 1,4-Dichlorobenzene | 8.122 | 146 | 82447 | 39.572 | ng | | 96 |
| 14) 1,2-Dichlorobenzene | 8.445 | 146 | 79184 | 40.473 | ng | | 97 |
| 15) Benzyl Alcohol | 8.322 | 79 | 93022 | 43.793 | ng | | 97 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.610 | 45 | 129486 | 42.929 | ng | | 97 |
| 17) 2-Methylphenol | 8.527 | 107 | 70381 | 41.905 | ng | | 94 |
| 18) Hexachloroethane | 9.174 | 117 | 30721 | 38.829 | ng | | 98 |
| 19) n-Nitroso-di-n-propyla... | 8.892 | 70 | 78727 | 43.187 | ng | | 97 |
| 20) 3+4-Methylphenols | 8.856 | 107 | 98454 | 41.506 | ng | | 97 |
| 22) Acetophenone | 8.909 | 105 | 130789 | 39.983 | ng | # | 98 |
| 24) Nitrobenzene | 9.291 | 77 | 113377 | 41.721 | ng | | 96 |
| 25) Isophorone | 9.814 | 82 | 196978 | 41.686 | ng | | 99 |
| 26) 2-Nitrophenol | 10.008 | 139 | 46829 | 42.547 | ng | | 96 |
| 27) 2,4-Dimethylphenol | 10.061 | 122 | 68123 | 41.127 | ng | | 92 |
| 28) bis(2-Chloroethoxy)met... | 10.290 | 93 | 112311 | 41.326 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 10.548 | 162 | 84686 | 42.361 | ng | | 96 |
| 30) 1,2,4-Trichlorobenzene | 10.760 | 180 | 93695 | 41.250 | ng | | 97 |
| 31) Naphthalene | 10.948 | 128 | 249579 | 41.051 | ng | | 99 |
| 32) Benzoic acid | 10.243 | 122 | 38566m | 39.148 | ng | | |
| 33) 4-Chloroaniline | 11.053 | 127 | 107716 | 42.305 | ng | | 98 |
| 34) Hexachlorobutadiene | 11.235 | 225 | 70572 | 41.900 | ng | | 99 |
| 35) Caprolactam | 11.829 | 113 | 29485 | 40.586 | ng | | 96 |
| 36) 4-Chloro-3-methylphenol | 12.175 | 107 | 100167 | 41.888 | ng | | 96 |
| 37) 2-Methylnaphthalene | 12.545 | 142 | 185158 | 40.809 | ng | | 98 |
| 38) 1-Methylnaphthalene | 12.763 | 142 | 179538 | 40.558 | ng | | 99 |
| 40) 1,2,4,5-Tetrachloroben... | 12.916 | 216 | 124258 | 42.215 | ng | | 100 |
| 41) Hexachlorocyclopentadiene | 12.892 | 237 | 42416 | 40.307 | ng | | 98 |
| 43) 2,4,6-Trichlorophenol | 13.156 | 196 | 82963 | 43.180 | ng | | 94 |

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| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 13.233 | 196 | 84422 | 41.285 | ng | 98 |
| 46) 1,1'-Biphenyl | 13.544 | 154 | 258854 | 40.667 | ng | 98 |
| 47) 2-Chloronaphthalene | 13.597 | 162 | 201025 | 40.310 | ng | 100 |
| 48) 2-Nitroaniline | 13.791 | 65 | 79109 | 42.572 | ng | 91 |
| 49) Acenaphthylene | 14.437 | 152 | 323509 | 40.653 | ng | 99 |
| 50) Dimethylphthalate | 14.161 | 163 | 282547 | 39.818 | ng | 99 |
| 51) 2,6-Dinitrotoluene | 14.284 | 165 | 58382 | 40.384 | ng | 92 |
| 52) Acenaphthene | 14.778 | 154 | 193971 | 40.901 | ng | 99 |
| 53) 3-Nitroaniline | 14.613 | 138 | 61967 | 39.671 | ng | 94 |
| 54) 2,4-Dinitrophenol | 14.831 | 184 | 32117 | 38.511 | ng | 99 |
| 55) Dibenzofuran | 15.113 | 168 | 338239 | 39.707 | ng | 99 |
| 56) 4-Nitrophenol | 14.930 | 139 | 45528 | 40.807 | ng | 93 |
| 57) 2,4-Dinitrotoluene | 15.071 | 165 | 84183 | 40.173 | ng | 90 |
| 58) Fluorene | 15.759 | 166 | 274808 | 40.201 | ng | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.342 | 232 | 84452 | 40.704 | ng | 96 |
| 60) Diethylphthalate | 15.518 | 149 | 289107 | 39.442 | ng | 99 |
| 61) 4-Chlorophenyl-phenyle... | 15.747 | 204 | 154821 | 40.588 | ng | 97 |
| 62) 4-Nitroaniline | 15.776 | 138 | 65547 | 40.457 | ng | 96 |
| 63) Azobenzene | 16.035 | 77 | 303907 | 40.489 | ng | 98 |
| 65) 4,6-Dinitro-2-methylph... | 15.841 | 198 | 58717 | 43.921 | ng | 96 |
| 66) n-Nitrosodiphenylamine | 15.958 | 169 | 242807 | 41.220 | ng | 98 |
| 67) 4-Bromophenyl-phenylether | 16.640 | 248 | 110522 | 42.180 | ng | 96 |
| 68) Hexachlorobenzene | 16.769 | 284 | 118935 | 41.446 | ng | 98 |
| 69) Atrazine | 16.904 | 200 | 95707 | 38.594 | ng | 99 |
| 70) Pentachlorophenol | 17.116 | 266 | 59610 | 40.981 | ng | 97 |
| 71) Phenanthrene | 17.498 | 178 | 459763 | 40.301 | ng | 99 |
| 72) Anthracene | 17.592 | 178 | 449989 | 40.130 | ng | 99 |
| 73) Carbazole | 17.856 | 167 | 438424 | 39.894 | ng | 99 |
| 74) Di-n-butylphthalate | 18.408 | 149 | 490152 | 39.657 | ng | 99 |
| 75) Fluoranthene | 19.507 | 202 | 576950 | 39.058 | ng | 98 |
| 77) Benzidine | 19.683 | 184 | 204492 | 43.596 | ng | 98 |
| 78) Pyrene | 19.871 | 202 | 578150 | 41.039 | ng | 100 |
| 80) Butylbenzylphthalate | 20.740 | 149 | 217291 | 42.062 | ng | 96 |
| 81) Benzo(a)anthracene | 21.715 | 228 | 564075 | 40.638 | ng | 100 |
| 82) 3,3'-Dichlorobenzidine | 21.627 | 252 | 147280 | 41.842 | ng | 96 |
| 83) Chrysene | 21.786 | 228 | 530504 | 40.922 | ng | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 21.604 | 149 | 300425 | 42.134 | ng | 98 |
| 85) Di-n-octyl phthalate | 22.832 | 149 | 516046 | 42.800 | ng | 100 |
| 87) Indeno(1,2,3-cd)pyrene | 28.776 | 276 | 660541 | 41.233 | ng | 100 |
| 88) Benzo(b)fluoranthene | 23.971 | 252 | 557538 | 40.952 | ng | 100 |
| 89) Benzo(k)fluoranthene | 24.042 | 252 | 543777 | 40.646 | ng | 97 |
| 90) Benzo(a)pyrene | 24.864 | 252 | 478925 | 41.329 | ng | 99 |
| 91) Dibenzo(a,h)anthracene | 28.835 | 278 | 538245 | 40.776 | ng | 96 |
| 92) Benzo(g,h,i)perylene | 29.951 | 276 | 533799 | 40.796 | ng | 97 |

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

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