Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051424\
Data File : BG061197.D
Acq On : 14 May 2024 20:00
Operator : MA/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 16 Sample Multiplier: 1

Quant Time: May 15 01:19:34 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG043024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 01 05:11:25 2024
Response via : Initial Calibration

**Instrument :**
BNA_G
**ClientSampleId :**
SSTDCCC040EC

**Manual Integrations APPROVED**

Reviewed By :Jagrut Upadhyay 05/15/2024
Supervised By :mohammad ahmed 05/17/2024

05/15/2024
Supervised By :mohammad ahmed

05/17/2024

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.931 | 152 | 30624 | 20.000 | ng | | -0.03 |
| 21) Naphthalene-d8 | 10.728 | 136 | 101700 | 20.000 | ng | | -0.03 |
| 39) Acenaphthene-d10 | 14.565 | 164 | 74859 | 20.000 | ng | | -0.02 |
| 64) Phenanthrene-d10 | 17.309 | 188 | 168178 | 20.000 | ng | | -0.02 |
| 76) Chrysene-d12 | 21.568 | 240 | 172691 | 20.000 | ng | | #-0.02 |
| 86) Perylene-d12 | 24.694 | 264 | 217054 | 20.000 | ng | | -0.04 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.522 | 112 | 116310 | 77.241 | ng | | -0.02 |
| 7) Phenol-d6 | 7.115 | 99 | 160837 | 72.203 | ng | | -0.02 |
| 23) Nitrobenzene-d5 | 9.089 | 82 | 171242 | 83.469 | ng | | -0.03 |
| 42) 2,4,6-Tribromophenol | 16.057 | 330 | 102646 | 68.600 | ng | | -0.02 |
| 45) 2-Fluorobiphenyl | 13.184 | 172 | 431637 | 85.263 | ng | | -0.02 |
| 79) Terphenyl-d14 | 19.929 | 244 | 786548 | 75.750 | ng | | -0.02 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.443 | 88 | 19478 | 31.992 | ng | | 98 |
| 3) Pyridine | 3.830 | 79 | 55783 | 31.136 | ng | | 96 |
| 4) n-Nitrosodimethylamine | 3.748 | 42 | 51720 | 30.047 | ng | | 97 |
| 6) Aniline | 7.256 | 93 | 71667 | 32.454 | ng | # | 96 |
| 8) 2-Chlorophenol | 7.502 | 128 | 66474 | 35.983 | ng | | 96 |
| 9) Benzaldehyde | 7.074 | 77 | 49010 | 41.004 | ng | | 94 |
| 10) Phenol | 7.138 | 94 | 78500 | 34.653 | ng | | 98 |
| 11) bis(2-Chloroethyl)ether | 7.356 | 93 | 56875 | 36.343 | ng | | 99 |
| 12) 1,3-Dichlorobenzene | 7.820 | 146 | 81713 | 37.520 | ng | | 95 |
| 13) 1,4-Dichlorobenzene | 7.967 | 146 | 81363 | 36.147 | ng | | 94 |
| 14) 1,2-Dichlorobenzene | 8.284 | 146 | 78648 | 36.216 | ng | | 93 |
| 15) Benzyl Alcohol | 8.172 | 79 | 62100 | 30.904 | ng | | 99 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.454 | 45 | 121523 | 35.787 | ng | | 99 |
| 17) 2-Methylphenol | 8.384 | 107 | 53681 | 33.253 | ng | | 90 |
| 18) Hexachloroethane | 9.007 | 117 | 29006 | 36.115 | ng | | 95 |
| 19) n-Nitroso-di-n-propyla... | 8.730 | 70 | 50730 | 30.431 | ng | # | 85 |
| 20) 3+4-Methylphenols | 8.713 | 107 | 74658 | 32.055 | ng | | 96 |
| 22) Acetophenone | 8.748 | 105 | 106848 | 42.187 | ng | # | 96 |
| 24) Nitrobenzene | 9.130 | 77 | 82165 | 40.940 | ng | | 98 |
| 25) Isophorone | 9.653 | 82 | 141199 | 37.233 | ng | | 95 |
| 26) 2-Nitrophenol | 9.841 | 139 | 36239 | 38.111 | ng | | 95 |
| 27) 2,4-Dimethylphenol | 9.906 | 122 | 42208 | 38.501 | ng | | 94 |
| 28) bis(2-Chloroethoxy)met... | 10.135 | 93 | 72937 | 39.188 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 10.381 | 162 | 66548 | 38.743 | ng | | 93 |
| 30) 1,2,4-Trichlorobenzene | 10.593 | 180 | 83035 | 40.120 | ng | | 97 |
| 31) Naphthalene | 10.781 | 128 | 207745 | 39.304 | ng | | 98 |
| 32) Benzoic acid | 10.058 | 122 | 30521m | 24.084 | ng | | |
| 33) 4-Chloroaniline | 10.881 | 127 | 74129 | 35.166 | ng | | 97 |
| 34) Hexachlorobutadiene | 11.057 | 225 | 78856 | 44.404 | ng | | 90 |
| 35) Caprolactam | 11.674 | 113 | 17599 | 28.451 | ng | | 94 |
| 36) 4-Chloro-3-methylphenol | 12.021 | 107 | 70743 | 34.155 | ng | | 95 |
| 37) 2-Methylnaphthalene | 12.385 | 142 | 141718 | 35.780 | ng | | 98 |
| 38) 1-Methylnaphthalene | 12.602 | 142 | 138264 | 34.675 | ng | | 93 |
| 40) 1,2,4,5-Tetrachloroben... | 12.755 | 216 | 109073 | 43.659 | ng | | 98 |
| 41) Hexachlorocyclopentadiene | 12.738 | 237 | 4648 | 4.860 | ng | # | 76 |
| 43) 2,4,6-Trichlorophenol | 12.996 | 196 | 65606 | 40.904 | ng | | 97 |

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|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 13.078 | 196 | 72263 | 39.809 | ng | | 97 |
| 46) 1,1'-Biphenyl | 13.396 | 154 | 196471 | 40.933 | ng | | 96 |
| 47) 2-Chloronaphthalene | 13.437 | 162 | 162617 | 42.310 | ng | | 97 |
| 48) 2-Nitroaniline | 13.636 | 65 | 55971 | 39.244 | ng | | 95 |
| 49) Acenaphthylene | 14.283 | 152 | 244353 | 41.394 | ng | | 96 |
| 50) Dimethylphthalate | 14.012 | 163 | 209708 | 36.269 | ng | | 100 |
| 51) 2,6-Dinitrotoluene | 14.142 | 165 | 45192 | 36.541 | ng | | 93 |
| 52) Acenaphthene | 14.624 | 154 | 142033 | 38.569 | ng | | 96 |
| 53) 3-Nitroaniline | 14.465 | 138 | 40898 | 36.141 | ng | | 93 |
| 54) 2,4-Dinitrophenol | 14.688 | 184 | 2399 | 4.868 | ng | # | 88 |
| 55) Dibenzofuran | 14.958 | 168 | 237970 | 38.258 | ng | | 96 |
| 56) 4-Nitrophenol | 14.800 | 139 | 28501 | 31.165 | ng | | 95 |
| 57) 2,4-Dinitrotoluene | 14.935 | 165 | 62044 | 33.908 | ng | | 90 |
| 58) Fluorene | 15.611 | 166 | 197545 | 36.702 | ng | | 97 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.193 | 232 | 66969 | 35.838 | ng | | 100 |
| 60) Diethylphthalate | 15.381 | 149 | 197574 | 33.885 | ng | | 99 |
| 61) 4-Chlorophenyl-phenyle... | 15.605 | 204 | 118128 | 36.551 | ng | | 96 |
| 62) 4-Nitroaniline | 15.634 | 138 | 45190 | 36.820 | ng | | 100 |
| 63) Azobenzene | 15.899 | 77 | 166530 | 36.689 | ng | | 95 |
| 65) 4,6-Dinitro-2-methylph... | 15.699 | 198 | 6864 | 6.578 | ng | | 86 |
| 66) n-Nitrosodiphenylamine | 15.816 | 169 | 171498 | 41.122 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 16.498 | 248 | 83977 | 42.388 | ng | | 95 |
| 68) Hexachlorobenzene | 16.621 | 284 | 100532 | 40.770 | ng | | 98 |
| 69) Atrazine | 16.768 | 200 | 63017 | 36.639 | ng | | 94 |
| 70) Pentachlorophenol | 16.968 | 266 | 51167 | 33.776 | ng | | 94 |
| 71) Phenanthrene | 17.350 | 178 | 301393 | 39.194 | ng | | 100 |
| 72) Anthracene | 17.444 | 178 | 301635 | 39.311 | ng | | 98 |
| 73) Carbazole | 17.714 | 167 | 263315 | 39.030 | ng | | 100 |
| 74) Di-n-butylphthalate | 18.272 | 149 | 306667 | 38.227 | ng | | 99 |
| 75) Fluoranthene | 19.365 | 202 | 402325 | 38.190 | ng | | 99 |
| 77) Benzidine | 19.547 | 184 | 120891 | 37.441 | ng | | 97 |
| 78) Pyrene | 19.729 | 202 | 415386 | 37.835 | ng | | 98 |
| 80) Butylbenzylphthalate | 20.616 | 149 | 131370 | 37.801 | ng | | 99 |
| 81) Benzo(a)anthracene | 21.551 | 228 | 428625 | 37.930 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 21.468 | 252 | 156046 | 38.371 | ng | | 98 |
| 83) Chrysene | 21.615 | 228 | 407561 | 38.495 | ng | | 98 |
| 84) Bis(2-ethylhexyl)phtha... | 21.463 | 149 | 185690 | 40.917 | ng | | 99 |
| 85) Di-n-octyl phthalate | 22.644 | 149 | 324115 | 40.481 | ng | | 98 |
| 87) Indeno(1,2,3-cd)pyrene | 28.249 | 276 | 449735m | 31.265 | ng | | |
| 88) Benzo(b)fluoranthene | 23.707 | 252 | 429781 | 35.434 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 23.772 | 252 | 450332 | 38.593 | ng | | 99 |
| 90) Benzo(a)pyrene | 24.553 | 252 | 383642 | 36.306 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 28.302 | 278 | 385513 | 32.362 | ng | # | 97 |
| 92) Benzo(g,h,i)perylene | 29.353 | 276 | 323949m | 27.365 | ng | | |

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

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