Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051524\
Data File : BG061201.D
Acq On : 15 May 2024 11:21
Operator : MA/JU
Sample : PB160903BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 15 11:56:10 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 :**
PB160903BS

**Manual Integrations APPROVED**

Reviewed By :Jagrut Upadhyay 05/16/2024
Supervised By :mohammad ahmed 05/17/2024

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.928 | 152 | 19422 | 20.000 | ng | | -0.03 |
| 21) Naphthalene-d8 | 10.725 | 136 | 78322 | 20.000 | ng | | #-0.03 |
| 39) Acenaphthene-d10 | 14.562 | 164 | 68608 | 20.000 | ng | | -0.03 |
| 64) Phenanthrene-d10 | 17.311 | 188 | 176261 | 20.000 | ng | | -0.02 |
| 76) Chrysene-d12 | 21.571 | 240 | 180587 | 20.000 | ng | | -0.02 |
| 86) Perylene-d12 | 24.691 | 264 | 202505 | 20.000 | ng | | -0.04 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.525 | 112 | 161020 | 168.609 | ng | | -0.02 |
| 7) Phenol-d6 | 7.112 | 99 | 215043 | 152.218 | ng | | -0.02 |
| 23) Nitrobenzene-d5 | 9.086 | 82 | 136942 | 86.675 | ng | | -0.03 |
| 42) 2,4,6-Tribromophenol | 16.054 | 330 | 169616 | 123.685 | ng | | -0.02 |
| 45) 2-Fluorobiphenyl | 13.181 | 172 | 384742 | 82.924 | ng | | -0.03 |
| 79) Terphenyl-d14 | 19.926 | 244 | 912099 | 84.001 | ng | | -0.03 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.433 | 88 | 12357 | 32.002 | ng | | 94 |
| 3) Pyridine | 3.821 | 79 | 33776 | 29.726 | ng | | 99 |
| 4) n-Nitrosodimethylamine | 3.739 | 42 | 42061 | 38.529 | ng | | 92 |
| 6) Aniline | 7.258 | 93 | 48024 | 34.290 | ng | # | 96 |
| 8) 2-Chlorophenol | 7.499 | 128 | 61354 | 52.367 | ng | | 97 |
| 9) Benzaldehyde | 7.070 | 77 | 23395 | 28.829 | ng | | 88 |
| 10) Phenol | 7.141 | 94 | 74631 | 51.947 | ng | | 99 |
| 11) bis(2-Chloroethyl)ether | 7.352 | 93 | 47316 | 47.674 | ng | | 99 |
| 12) 1,3-Dichlorobenzene | 7.817 | 146 | 57738 | 41.803 | ng | | 90 |
| 13) 1,4-Dichlorobenzene | 7.963 | 146 | 58010 | 40.637 | ng | | 93 |
| 14) 1,2-Dichlorobenzene | 8.281 | 146 | 57975 | 42.095 | ng | | 99 |
| 15) Benzyl Alcohol | 8.163 | 79 | 57975 | 45.492 | ng | | 92 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.445 | 45 | 104970m | 48.741 | ng | | |
| 17) 2-Methylphenol | 8.381 | 107 | 48288 | 47.164 | ng | | 92 |
| 18) Hexachloroethane | 9.009 | 117 | 20156 | 39.571 | ng | | 86 |
| 19) n-Nitroso-di-n-propyla... | 8.733 | 70 | 43327 | 40.981 | ng | | 97 |
| 20) 3+4-Methylphenols | 8.710 | 107 | 65866 | 44.591 | ng | | 90 |
| 22) Acetophenone | 8.745 | 105 | 89950 | 46.115 | ng | | 98 |
| 24) Nitrobenzene | 9.133 | 77 | 67348 | 43.573 | ng | # | 94 |
| 25) Isophorone | 9.650 | 82 | 118310 | 40.509 | ng | | 97 |
| 26) 2-Nitrophenol | 9.838 | 139 | 35560 | 48.559 | ng | | 95 |
| 27) 2,4-Dimethylphenol | 9.908 | 122 | 42504 | 50.344 | ng | | 90 |
| 28) bis(2-Chloroethoxy)met... | 10.132 | 93 | 65836 | 45.931 | ng | # | 94 |
| 29) 2,4-Dichlorophenol | 10.384 | 162 | 64575 | 48.816 | ng | | 96 |
| 30) 1,2,4-Trichlorobenzene | 10.590 | 180 | 67043 | 42.062 | ng | | 91 |
| 31) Naphthalene | 10.778 | 128 | 171099 | 42.034 | ng | | 98 |
| 32) Benzoic acid | 10.073 | 122 | 25223m | 25.844 | ng | | |
| 33) 4-Chloroaniline | 10.884 | 127 | 50348m | 31.014 | ng | | |
| 34) Hexachlorobutadiene | 11.060 | 225 | 53371 | 39.024 | ng | | 96 |
| 35) Caprolactam | 11.665 | 113 | 19813m | 41.590 | ng | | |
| 36) 4-Chloro-3-methylphenol | 12.023 | 107 | 70299 | 44.071 | ng | | 99 |
| 37) 2-Methylnaphthalene | 12.382 | 142 | 124631 | 40.858 | ng | | 99 |
| 38) 1-Methylnaphthalene | 12.605 | 142 | 117617 | 38.301 | ng | | 99 |
| 40) 1,2,4,5-Tetrachloroben... | 12.752 | 216 | 100303 | 43.807 | ng | | 99 |
| 41) Hexachlorocyclopentadiene | 12.728 | 237 | 84046 | 95.887 | ng | | 96 |
| 43) 2,4,6-Trichlorophenol | 12.999 | 196 | 62621 | 42.600 | ng | | 99 |

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| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 13.081 | 196 | 68745 | 41.321 | ng | | 97 |
| 46) 1,1'-Biphenyl | 13.392 | 154 | 187236 | 42.563 | ng | | 99 |
| 47) 2-Chloronaphthalene | 13.439 | 162 | 149338 | 42.395 | ng | | 99 |
| 48) 2-Nitroaniline | 13.639 | 65 | 57721 | 44.158 | ng | | 97 |
| 49) Acenaphthylene | 14.285 | 152 | 247278 | 45.706 | ng | | 98 |
| 50) Dimethylphthalate | 14.015 | 163 | 226714 | 42.783 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 14.139 | 165 | 46721 | 41.219 | ng | | 93 |
| 52) Acenaphthene | 14.626 | 154 | 139222 | 41.250 | ng | | 98 |
| 53) 3-Nitroaniline | 14.468 | 138 | 31957 | 30.813 | ng | | 97 |
| 54) 2,4-Dinitrophenol | 14.685 | 184 | 60101 | 74.944 | ng | | 97 |
| 55) Dibenzofuran | 14.961 | 168 | 242870 | 42.603 | ng | | 98 |
| 56) 4-Nitrophenol | 14.803 | 139 | 65901 | 78.626 | ng | | 97 |
| 57) 2,4-Dinitrotoluene | 14.932 | 165 | 72600 | 43.292 | ng | | 89 |
| 58) Fluorene | 15.607 | 166 | 205436 | 41.645 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.196 | 232 | 69273 | 40.449 | ng | | 98 |
| 60) Diethylphthalate | 15.384 | 149 | 219088 | 40.998 | ng | | 99 |
| 61) 4-Chlorophenyl-phenyle... | 15.602 | 204 | 120889 | 40.813 | ng | | 97 |
| 62) 4-Nitroaniline | 15.637 | 138 | 46442 | 41.287 | ng | | 93 |
| 63) Azobenzene | 15.895 | 77 | 190903 | 45.891 | ng | | 97 |
| 65) 4,6-Dinitro-2-methylph... | 15.701 | 198 | 47104 | 43.072 | ng | | 96 |
| 66) n-Nitrosodiphenylamine | 15.819 | 169 | 192755 | 44.099 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 16.495 | 248 | 91051 | 43.851 | ng | | 93 |
| 68) Hexachlorobenzene | 16.618 | 284 | 110037 | 42.578 | ng | | 99 |
| 69) Atrazine | 16.771 | 200 | 88451 | 49.069 | ng | | 99 |
| 70) Pentachlorophenol | 16.971 | 266 | 103650m | 65.283 | ng | | |
| 71) Phenanthrene | 17.352 | 178 | 364795 | 45.263 | ng | | 96 |
| 72) Anthracene | 17.441 | 178 | 363108 | 45.152 | ng | | 97 |
| 73) Carbazole | 17.717 | 167 | 306951 | 43.411 | ng | | 99 |
| 74) Di-n-butylphthalate | 18.275 | 149 | 382848 | 45.535 | ng | | 99 |
| 75) Fluoranthene | 19.368 | 202 | 474481 | 42.974 | ng | | 100 |
| 77) Benzidine | 19.544 | 184 | 104140 | 31.335 | ng | | 95 |
| 78) Pyrene | 19.726 | 202 | 495169 | 43.129 | ng | | 97 |
| 80) Butylbenzylphthalate | 20.619 | 149 | 160627 | 44.198 | ng | | 94 |
| 81) Benzo(a)anthracene | 21.548 | 228 | 524554 | 44.389 | ng | | 97 |
| 82) 3,3'-Dichlorobenzidine | 21.465 | 252 | 133716 | 31.443 | ng | | 99 |
| 83) Chrysene | 21.612 | 228 | 488138 | 44.090 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 21.465 | 149 | 222590 | 46.904 | ng | | 98 |
| 85) Di-n-octyl phthalate | 22.640 | 149 | 377006 | 45.028 | ng | | 100 |
| 87) Indeno(1,2,3-cd)pyrene | 28.251 | 276 | 633742 | 47.222 | ng | | 99 |
| 88) Benzo(b)fluoranthene | 23.704 | 252 | 514202 | 45.440 | ng | | 98 |
| 89) Benzo(k)fluoranthene | 23.774 | 252 | 495401 | 45.506 | ng | | 99 |
| 90) Benzo(a)pyrene | 24.544 | 252 | 469922 | 47.666 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 28.298 | 278 | 521792 | 46.949 | ng | # | 96 |
| 92) Benzo(g,h,i)perylene | 29.344 | 276 | 486423 | 44.042 | ng | | 96 |

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

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