Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050624\
Data File : BG061118.D
Acq On : 6 May 2024 12:57
Operator : MA/JU
Sample : PB160699BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 06 13:46:22 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 :**
PB160699BS

**Manual Integrations APPROVED**

Reviewed By :Jagrut Upadhyay

05/07/2024
Supervised By :mohammad ahmed

05/08/2024

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.941 | 152 | 19147 | 20.000 | ng | | -0.02 |
| 21) Naphthalene-d8 | 10.732 | 136 | 83134 | 20.000 | ng | | -0.03 |
| 39) Acenaphthene-d10 | 14.569 | 164 | 74929 | 20.000 | ng | | -0.02 |
| 64) Phenanthrene-d10 | 17.313 | 188 | 196538 | 20.000 | ng | | #-0.02 |
| 76) Chrysene-d12 | 21.572 | 240 | 196873 | 20.000 | ng | | -0.02 |
| 86) Perylene-d12 | 24.698 | 264 | 217809 | 20.000 | ng | | -0.03 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.526 | 112 | 146127 | 155.212 | ng | | -0.02 |
| 7) Phenol-d6 | 7.113 | 99 | 202009 | 145.045 | ng | | -0.02 |
| 23) Nitrobenzene-d5 | 9.093 | 82 | 138329 | 82.485 | ng | | -0.03 |
| 42) 2,4,6-Tribromophenol | 16.061 | 330 | 195301 | 130.401 | ng | | -0.01 |
| 45) 2-Fluorobiphenyl | 13.188 | 172 | 409697 | 80.853 | ng | | -0.02 |
| 79) Terphenyl-d14 | 19.933 | 244 | 1004667 | 84.872 | ng | | -0.02 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.435 | 88 | 11893 | 31.242 | ng | | 95 |
| 3) Pyridine | 3.822 | 79 | 32921 | 29.390 | ng | | 96 |
| 4) n-Nitrosodimethylamine | 3.740 | 42 | 37917 | 35.232 | ng | # | 85 |
| 6) Aniline | 7.260 | 93 | 47566 | 34.451 | ng | # | 92 |
| 8) 2-Chlorophenol | 7.506 | 128 | 56557 | 48.966 | ng | | 98 |
| 9) Benzaldehyde | 7.072 | 77 | 25618 | 32.750 | ng | | 94 |
| 10) Phenol | 7.142 | 94 | 69465 | 49.046 | ng | | 92 |
| 11) bis(2-Chloroethyl)ether | 7.359 | 93 | 42794 | 43.737 | ng | | 98 |
| 12) 1,3-Dichlorobenzene | 7.830 | 146 | 57752 | 42.413 | ng | | 94 |
| 13) 1,4-Dichlorobenzene | 7.971 | 146 | 60062 | 42.679 | ng | | 94 |
| 14) 1,2-Dichlorobenzene | 8.288 | 146 | 58720 | 43.248 | ng | | 97 |
| 15) Benzyl Alcohol | 8.170 | 79 | 59616 | 47.452 | ng | | 97 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.452 | 45 | 96526 | 45.464 | ng | | 98 |
| 17) 2-Methylphenol | 8.388 | 107 | 46470 | 46.040 | ng | | 96 |
| 18) Hexachloroethane | 9.016 | 117 | 22016 | 43.843 | ng | | 91 |
| 19) n-Nitroso-di-n-propyla... | 8.740 | 70 | 42286 | 40.571 | ng | # | 87 |
| 20) 3+4-Methylphenols | 8.711 | 107 | 68487 | 47.031 | ng | | 96 |
| 22) Acetophenone | 8.752 | 105 | 88090 | 42.548 | ng | | 97 |
| 24) Nitrobenzene | 9.134 | 77 | 67814 | 41.335 | ng | | 97 |
| 25) Isophorone | 9.657 | 82 | 123007 | 39.680 | ng | | 97 |
| 26) 2-Nitrophenol | 9.845 | 139 | 34409 | 44.268 | ng | | 96 |
| 27) 2,4-Dimethylphenol | 9.909 | 122 | 45355 | 50.611 | ng | | 98 |
| 28) bis(2-Chloroethoxy)met... | 10.139 | 93 | 63992 | 42.061 | ng | # | 98 |
| 29) 2,4-Dichlorophenol | 10.385 | 162 | 66392 | 47.284 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 10.597 | 180 | 69701 | 41.198 | ng | | 96 |
| 31) Naphthalene | 10.785 | 128 | 182111 | 42.149 | ng | | 99 |
| 32) Benzoic acid | 10.062 | 122 | 35368m | 34.141 | ng | | |
| 33) 4-Chloroaniline | 10.891 | 127 | 50623 | 29.378 | ng | | 96 |
| 34) Hexachlorobutadiene | 11.067 | 225 | 58583 | 40.356 | ng | | 99 |
| 35) Caprolactam | 11.666 | 113 | 22231m | 43.965 | ng | | |
| 36) 4-Chloro-3-methylphenol | 12.025 | 107 | 74743 | 44.145 | ng | | 95 |
| 37) 2-Methylnaphthalene | 12.389 | 142 | 133193 | 41.138 | ng | | 96 |
| 38) 1-Methylnaphthalene | 12.606 | 142 | 128113 | 39.305 | ng | | 95 |
| 40) 1,2,4,5-Tetrachloroben... | 12.759 | 216 | 107906 | 43.152 | ng | | 98 |
| 41) Hexachlorocyclopentadiene | 12.741 | 237 | 114385 | 119.491 | ng | | 96 |
| 43) 2,4,6-Trichlorophenol | 13.000 | 196 | 69475 | 43.276 | ng | | 95 |

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| | Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|---|
| 44) | 2,4,5-Trichlorophenol | 13.076 | 196 | 77295 | 42.541 | ng | | 97 |
| 46) | 1,1'-Biphenyl | 13.399 | 154 | 203204 | 42.296 | ng | | 98 |
| 47) | 2-Chloronaphthalene | 13.441 | 162 | 157438 | 40.924 | ng | | 99 |
| 48) | 2-Nitroaniline | 13.646 | 65 | 64149 | 44.936 | ng | | 96 |
| 49) | Acenaphthylene | 14.293 | 152 | 273279 | 46.251 | ng | | 98 |
| 50) | Dimethylphthalate | 14.022 | 163 | 246939 | 42.668 | ng | | 98 |
| 51) | 2,6-Dinitrotoluene | 14.140 | 165 | 52592 | 42.484 | ng | | 97 |
| 52) | Acenaphthene | 14.633 | 154 | 149828 | 40.648 | ng | | 95 |
| 53) | 3-Nitroaniline | 14.469 | 138 | 35190 | 31.068 | ng | | 93 |
| 54) | 2,4-Dinitrophenol | 14.686 | 184 | 70007 | 79.785 | ng | | 96 |
| 55) | Dibenzofuran | 14.968 | 168 | 267931 | 43.035 | ng | | 98 |
| 56) | 4-Nitrophenol | 14.798 | 139 | 78414 | 85.662 | ng | | 99 |
| 57) | 2,4-Dinitrotoluene | 14.933 | 165 | 78262 | 42.732 | ng | # | 91 |
| 58) | Fluorene | 15.620 | 166 | 225723 | 41.898 | ng | | 98 |
| 59) | 2,3,4,6-Tetrachlorophenol | 15.197 | 232 | 79135 | 42.310 | ng | | 97 |
| 60) | Diethylphthalate | 15.391 | 149 | 249742 | 42.792 | ng | | 98 |
| 61) | 4-Chlorophenyl-phenyle... | 15.609 | 204 | 134787 | 41.666 | ng | | 98 |
| 62) | 4-Nitroaniline | 15.638 | 138 | 50985 | 41.502 | ng | | 96 |
| 63) | Azobenzene | 15.902 | 77 | 197901 | 43.560 | ng | | 96 |
| 65) | 4,6-Dinitro-2-methylph... | 15.703 | 198 | 52981 | 43.448 | ng | | 96 |
| 66) | n-Nitrosodiphenylamine | 15.826 | 169 | 216548 | 44.431 | ng | | 96 |
| 67) | 4-Bromophenyl-phenylether | 16.502 | 248 | 102502 | 44.272 | ng | | 97 |
| 68) | Hexachlorobenzene | 16.625 | 284 | 122798 | 42.613 | ng | | 98 |
| 69) | Atrazine | 16.778 | 200 | 97780 | 48.648 | ng | | 98 |
| 70) | Pentachlorophenol | 16.972 | 266 | 132182 | 74.664 | ng | | 96 |
| 71) | Phenanthrene | 17.360 | 178 | 399103 | 44.411 | ng | | 99 |
| 72) | Anthracene | 17.448 | 178 | 409741 | 45.694 | ng | | 100 |
| 73) | Carbazole | 17.718 | 167 | 352445 | 44.703 | ng | | 99 |
| 74) | Di-n-butylphthalate | 18.282 | 149 | 417529 | 44.536 | ng | | 100 |
| 75) | Fluoranthene | 19.369 | 202 | 527342 | 42.834 | ng | | 100 |
| 77) | Benzidine | 19.545 | 184 | 145602 | 39.397 | ng | | 95 |
| 78) | Pyrene | 19.733 | 202 | 548747 | 43.842 | ng | | 99 |
| 80) | Butylbenzylphthalate | 20.626 | 149 | 174174 | 43.961 | ng | | 94 |
| 81) | Benzo(a)anthracene | 21.555 | 228 | 570632 | 44.294 | ng | | 98 |
| 82) | 3,3'-Dichlorobenzidine | 21.472 | 252 | 140223 | 30.245 | ng | | 100 |
| 83) | Chrysene | 21.619 | 228 | 528035 | 43.748 | ng | | 99 |
| 84) | Bis(2-ethylhexyl)phtha... | 21.472 | 149 | 236318 | 45.677 | ng | | 99 |
| 85) | Di-n-octyl phthalate | 22.653 | 149 | 390773 | 42.811 | ng | | 100 |
| 87) | Indeno(1,2,3-cd)pyrene | 28.253 | 276 | 672508 | 46.590 | ng | # | 97 |
| 88) | Benzo(b)fluoranthene | 23.711 | 252 | 544449 | 44.732 | ng | | 99 |
| 89) | Benzo(k)fluoranthene | 23.781 | 252 | 529837 | 45.250 | ng | | 99 |
| 90) | Benzo(a)pyrene | 24.557 | 252 | 494440 | 46.629 | ng | | 98 |
| 91) | Dibenzo(a,h)anthracene | 28.317 | 278 | 550621 | 46.062 | ng | # | 97 |
| 92) | Benzo(g,h,i)perylene | 29.363 | 276 | 519349 | 43.719 | ng | | 97 |

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

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