Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG011924\
Data File : BG060369.D
Acq On : 19 Jan 2024 14:58
Operator : MA/JU
Sample : P1183-03MS
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
MR-305-25-27MS

**Manual Integrations APPROVED**
Reviewed By :Jagrut Upadhyay 01/22/2024
Supervised By :mohammad ahmed 01/23/2024

Quant Time: Jan 20 06:31:58 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG010824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jan 09 04:07:12 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.924 | 152 | 248849 | 20.000 | ng | 0.00 |
| 21) Naphthalene-d8 | 10.733 | 136 | 991755 | 20.000 | ng | 0.00 |
| 39) Acenaphthene-d10 | 14.570 | 164 | 652620 | 20.000 | ng | 0.00 |
| 64) Phenanthrene-d10 | 17.313 | 188 | 1699528 | 20.000 | ng | 0.00 |
| 76) Chrysene-d12 | 21.585 | 240 | 1519324 | 20.000 | ng | 0.00 |
| 86) Perylene-d12 | 24.746 | 264 | 1734637 | 20.000 | ng | 0.00 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 5.504 | 112 | 1736308 | 114.763 | ng | 0.00 |
| 7) Phenol-d6 | 7.096 | 99 | 2533858 | 113.102 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 9.094 | 82 | 1515331 | 72.149 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.062 | 330 | 1174013 | 122.269 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 13.189 | 172 | 3132734 | 66.739 | ng | 0.00 |
| 79) Terphenyl-d14 | 19.934 | 244 | 4588188 | 71.877 | ng | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.400 | 88 | 244212 | 35.336 | ng | 98 |
| 3) Pyridine | 3.794 | 79 | 655666 | 33.625 | ng | 95 |
| 4) n-Nitrosodimethylamine | 3.712 | 42 | 254105 | 41.639 | ng | 100 |
| 6) Aniline | 7.255 | 93 | 691929 | 30.899 | ng | 99 |
| 8) 2-Chlorophenol | 7.495 | 128 | 729897 | 48.679 | ng | 92 |
| 9) Benzaldehyde | 7.067 | 77 | 603328m | 46.917 | ng | |
| 10) Phenol | 7.125 | 94 | 1099929 | 48.968 | ng | 99 |
| 11) bis(2-Chloroethyl)ether | 7.349 | 93 | 787459 | 43.022 | ng | 99 |
| 12) 1,3-Dichlorobenzene | 7.819 | 146 | 793475 | 42.160 | ng | 99 |
| 13) 1,4-Dichlorobenzene | 7.960 | 146 | 808717 | 42.351 | ng | 98 |
| 14) 1,2-Dichlorobenzene | 8.283 | 146 | 799917 | 40.739 | ng | 98 |
| 15) Benzyl Alcohol | 8.165 | 79 | 705587 | 48.654 | ng | 98 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.441 | 45 | 934258m | 42.054 | ng | |
| 17) 2-Methylphenol | 8.371 | 107 | 692271 | 44.871 | ng | 97 |
| 18) Hexachloroethane | 9.011 | 117 | 279897 | 41.806 | ng | 96 |
| 19) n-Nitroso-di-n-propyla... | 8.729 | 70 | 640125 | 41.284 | ng | 96 |
| 20) 3+4-Methylphenols | 8.700 | 107 | 955906 | 45.953 | ng | 98 |
| 22) Acetophenone | 8.747 | 105 | 1213083 | 44.498 | ng | 99 |
| 24) Nitrobenzene | 9.135 | 77 | 916970 | 42.116 | ng | 95 |
| 25) Isophorone | 9.652 | 82 | 1743560 | 41.338 | ng | 98 |
| 26) 2-Nitrophenol | 9.846 | 139 | 411184 | 51.364 | ng | 91 |
| 27) 2,4-Dimethylphenol | 9.904 | 122 | 600630 | 56.782 | ng | 94 |
| 28) bis(2-Chloroethoxy)met... | 10.134 | 93 | 1078690 | 41.857 | ng | 99 |
| 29) 2,4-Dichlorophenol | 10.380 | 162 | 853913 | 49.816 | ng | 100 |
| 30) 1,2,4-Trichlorobenzene | 10.592 | 180 | 903190 | 42.352 | ng | 92 |
| 31) Naphthalene | 10.786 | 128 | 2251831 | 43.316 | ng | 100 |
| 32) Benzoic acid | 10.051 | 122 | 513926 | 53.525 | ng | 92 |
| 33) 4-Chloroaniline | 10.891 | 127 | 358931 | 17.919 | ng | 97 |
| 34) Hexachlorobutadiene | 11.062 | 225 | 554277 | 39.899 | ng | 98 |
| 35) Caprolactam | 11.667 | 113 | 274651m | 49.746 | ng | |
| 36) 4-Chloro-3-methylphenol | 12.020 | 107 | 861762 | 49.487 | ng | 96 |
| 37) 2-Methylnaphthalene | 12.390 | 142 | 1509508 | 39.150 | ng | 98 |
| 38) 1-Methylnaphthalene | 12.613 | 142 | 1416189 | 36.578 | ng | 99 |
| 40) 1,2,4,5-Tetrachloroben... | 12.760 | 216 | 995712 | 42.959 | ng | 99 |
| 41) Hexachlorocyclopentadiene | 12.736 | 237 | 948152 | 123.213 | ng | 98 |
| 43) 2,4,6-Trichlorophenol | 13.001 | 196 | 716267 | 48.559 | ng | 98 |

Quantitation Report (QT/LSC Reviewed)

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Operator : MA/JU
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Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 13.071 | 196 | 787943 | 48.431 | ng | | 98 |
| 46) 1,1'-Biphenyl | 13.400 | 154 | 2147052 | 43.584 | ng | | 99 |
| 47) 2-Chloronaphthalene | 13.441 | 162 | 1781465 | 42.212 | ng | | 99 |
| 48) 2-Nitroaniline | 13.647 | 65 | 543051 | 51.670 | ng | | 96 |
| 49) Acenaphthylene | 14.288 | 152 | 2860064 | 49.213 | ng | | 99 |
| 50) Dimethylphthalate | 14.023 | 163 | 2183828 | 43.789 | ng | | 98 |
| 51) 2,6-Dinitrotoluene | 14.141 | 165 | 501776 | 47.152 | ng | | 95 |
| 52) Acenaphthene | 14.634 | 154 | 1597528 | 44.146 | ng | | 99 |
| 53) 3-Nitroaniline | 14.470 | 138 | 294546 | 30.376 | ng | | 95 |
| 54) 2,4-Dinitrophenol | 14.681 | 184 | 599357 | 91.508 | ng | | 99 |
| 55) Dibenzofuran | 14.969 | 168 | 2777324 | 45.975 | ng | | 98 |
| 56) 4-Nitrophenol | 14.787 | 139 | 846207 | 117.653 | ng | | 98 |
| 57) 2,4-Dinitrotoluene | 14.934 | 165 | 727427 | 49.848 | ng | # | 94 |
| 58) Fluorene | 15.615 | 166 | 2300247 | 45.981 | ng | | 98 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.192 | 232 | 747109 | 54.078 | ng | | 99 |
| 60) Diethylphthalate | 15.386 | 149 | 2207720 | 46.111 | ng | | 99 |
| 61) 4-Chlorophenyl-phenyle... | 15.609 | 204 | 1225527 | 44.471 | ng | | 98 |
| 62) 4-Nitroaniline | 15.645 | 138 | 514779 | 49.880 | ng | | 97 |
| 63) Azobenzene | 15.903 | 77 | 2220849 | 45.860 | ng | | 98 |
| 65) 4,6-Dinitro-2-methylph... | 15.692 | 198 | 449397 | 47.797 | ng | | 95 |
| 66) n-Nitrosodiphenylamine | 15.827 | 169 | 2090504 | 46.325 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 16.503 | 248 | 828365 | 44.358 | ng | | 98 |
| 68) Hexachlorobenzene | 16.620 | 284 | 931451 | 42.137 | ng | | 97 |
| 69) Atrazine | 16.773 | 200 | 818820 | 48.121 | ng | | 98 |
| 70) Pentachlorophenol | 16.967 | 266 | 1219272 | 102.330 | ng | | 95 |
| 71) Phenanthrene | 17.360 | 178 | 3722522 | 45.315 | ng | | 98 |
| 72) Anthracene | 17.449 | 178 | 3801174 | 46.347 | ng | | 98 |
| 73) Carbazole | 17.719 | 167 | 3456617 | 44.705 | ng | | 100 |
| 74) Di-n-butylphthalate | 18.277 | 149 | 3705382 | 46.575 | ng | | 100 |
| 75) Fluoranthene | 19.370 | 202 | 4187225 | 42.438 | ng | | 99 |
| 77) Benzidine | 19.558 | 184 | 2119882 | 64.224 | ng | | 98 |
| 78) Pyrene | 19.734 | 202 | 4337886 | 44.710 | ng | | 98 |
| 80) Butylbenzylphthalate | 20.621 | 149 | 1748312 | 52.376 | ng | | 97 |
| 81) Benzo(a)anthracene | 21.561 | 228 | 4297242 | 45.687 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 21.479 | 252 | 993920 | 27.593 | ng | | 97 |
| 83) Chrysene | 21.626 | 228 | 4044974 | 43.727 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 21.467 | 149 | 2550541 | 50.565 | ng | | 96 |
| 85) Di-n-octyl phthalate | 22.654 | 149 | 4195488 | 51.327 | ng | | 99 |
| 87) Indeno(1,2,3-cd)pyrene | 28.359 | 276 | 5662013 | 46.945 | ng | | 97 |
| 88) Benzo(b)fluoranthene | 23.741 | 252 | 4555992 | 44.460 | ng | | 98 |
| 89) Benzo(k)fluoranthene | 23.812 | 252 | 4427638 | 43.785 | ng | | 100 |
| 90) Benzo(a)pyrene | 24.599 | 252 | 4275760 | 46.189 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 28.424 | 278 | 4619173 | 46.895 | ng | | 97 |
| 92) Benzo(g,h,i)perylene | 29.487 | 276 | 4280331 | 42.399 | ng | | 99 |

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

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