Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG010324\
Data File : BG060231.D
Acq On : 3 Jan 2024 17:39
Operator : MA/JU
Sample : 05898-01MS
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
GHL-SS-15-0-2MS

**Manual Integrations APPROVED**
Reviewed By :Yogesh Patel 01/04/2024
Supervised By :mohammad ahmed 01/04/2024

Quant Time: Jan 04 00:39:33 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Dec 30 03:14:04 2023
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.937 | 152 | 198577 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.740 | 136 | 832286 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.576 | 164 | 656686 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.320 | 188 | 1660010 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.592 | 240 | 1488911 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 24.765 | 264 | 1664913 | 20.000 | ng | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.511 | 112 | 1178008 | 89.538 | ng | | 0.00 |
| 7) Phenol-d6 | 7.097 | 99 | 1761105 | 90.154 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.095 | 82 | 1049582 | 58.249 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.063 | 330 | 806164 | 91.709 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.196 | 172 | 2525192 | 55.266 | ng | | 0.00 |
| 79) Terphenyl-d14 | 19.941 | 244 | 4005537 | 51.720 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.407 | 88 | 220314 | 37.638 | ng | | 97 |
| 3) Pyridine | 3.801 | 79 | 560124 | 33.741 | ng | | 98 |
| 4) n-Nitrosodimethylamine | 3.719 | 42 | 238850 | 38.568 | ng | | 93 |
| 6) Aniline | 7.256 | 93 | 649525 | 33.187 | ng | | 95 |
| 8) 2-Chlorophenol | 7.497 | 128 | 590713 | 46.718 | ng | | 99 |
| 9) Benzaldehyde | 7.073 | 77 | 174510 | 14.859 | ng | | 89 |
| 10) Phenol | 7.126 | 94 | 915229 | 46.461 | ng | | 97 |
| 11) bis(2-Chloroethyl)ether | 7.356 | 93 | 653688 | 41.008 | ng | | 95 |
| 12) 1,3-Dichlorobenzene | 7.826 | 146 | 643025 | 41.197 | ng | | 100 |
| 13) 1,4-Dichlorobenzene | 7.972 | 146 | 664882 | 42.134 | ng | | 97 |
| 14) 1,2-Dichlorobenzene | 8.284 | 146 | 630571 | 40.875 | ng | | 97 |
| 15) Benzyl Alcohol | 8.172 | 79 | 583868 | 48.154 | ng | | 97 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.460 | 45 | 815751 | 39.875 | ng | | 99 |
| 17) 2-Methylphenol | 8.378 | 107 | 583268 | 47.287 | ng | | 98 |
| 18) Hexachloroethane | 9.018 | 117 | 221150 | 44.499 | ng | | 95 |
| 19) n-Nitroso-di-n-propyla... | 8.736 | 70 | 539555 | 40.431 | ng | | 98 |
| 20) 3+4-Methylphenols | 8.701 | 107 | 798285 | 45.664 | ng | | 98 |
| 22) Acetophenone | 8.754 | 105 | 1013309 | 41.093 | ng | # | 99 |
| 24) Nitrobenzene | 9.142 | 77 | 755351 | 40.972 | ng | | 99 |
| 25) Isophorone | 9.659 | 82 | 1491364 | 39.560 | ng | | 98 |
| 26) 2-Nitrophenol | 9.847 | 139 | 321526 | 49.979 | ng | | 97 |
| 27) 2,4-Dimethylphenol | 9.905 | 122 | 501441 | 55.027 | ng | | 98 |
| 28) bis(2-Chloroethoxy)met... | 10.140 | 93 | 913366 | 41.366 | ng | | 97 |
| 29) 2,4-Dichlorophenol | 10.387 | 162 | 684951 | 47.560 | ng | | 97 |
| 30) 1,2,4-Trichlorobenzene | 10.599 | 180 | 710608 | 40.539 | ng | | 100 |
| 31) Naphthalene | 10.787 | 128 | 1825449 | 41.545 | ng | | 99 |
| 32) Benzoic acid | 10.046 | 122 | 389894 | 47.904 | ng | | 95 |
| 33) 4-Chloroaniline | 10.898 | 127 | 417173 | 24.311 | ng | | 98 |
| 34) Hexachlorobutadiene | 11.075 | 225 | 398109 | 38.187 | ng | | 98 |
| 35) Caprolactam | 11.662 | 113 | 232805m | 48.595 | ng | | |
| 36) 4-Chloro-3-methylphenol | 12.021 | 107 | 700311 | 47.249 | ng | | 97 |
| 37) 2-Methylnaphthalene | 12.397 | 142 | 1344322 | 42.357 | ng | | 98 |
| 38) 1-Methylnaphthalene | 12.614 | 142 | 1327026 | 41.355 | ng | | 99 |
| 40) 1,2,4,5-Tetrachloroben... | 12.767 | 216 | 886908 | 42.164 | ng | | 99 |
| 41) Hexachlorocyclopentadiene | 12.743 | 237 | 880406 | 129.489 | ng | | 99 |
| 43) 2,4,6-Trichlorophenol | 13.002 | 196 | 615502 | 44.528 | ng | | 97 |

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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 | 13.078 | 196 | 707166 | 45.732 | ng | | 96 |
| 46) 1,1'-Biphenyl | 13.407 | 154 | 2054987 | 42.533 | ng | | 99 |
| 47) 2-Chloronaphthalene | 13.448 | 162 | 1685160 | 40.939 | ng | | 99 |
| 48) 2-Nitroaniline | 13.654 | 65 | 534721 | 49.707 | ng | | 98 |
| 49) Acenaphthylene | 14.294 | 152 | 2755603 | 46.462 | ng | | 99 |
| 50) Dimethylphthalate | 14.030 | 163 | 2138245 | 42.173 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 14.148 | 165 | 480208 | 45.536 | ng | | 99 |
| 52) Acenaphthene | 14.641 | 154 | 1542118 | 41.667 | ng | | 99 |
| 53) 3-Nitroaniline | 14.482 | 138 | 342782 | 34.496 | ng | | 98 |
| 54) 2,4-Dinitrophenol | 14.682 | 184 | 594006 | 95.004 | ng | | 97 |
| 55) Dibenzofuran | 14.976 | 168 | 2675248 | 43.153 | ng | | 99 |
| 56) 4-Nitrophenol | 14.788 | 139 | 793575 | 105.653 | ng | | 97 |
| 57) 2,4-Dinitrotoluene | 14.935 | 165 | 670759 | 46.776 | ng | # | 96 |
| 58) Fluorene | 15.622 | 166 | 2196689 | 43.203 | ng | | 98 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.199 | 232 | 635191 | 47.128 | ng | | 98 |
| 60) Diethylphthalate | 15.393 | 149 | 2079091 | 43.001 | ng | | 99 |
| 61) 4-Chlorophenyl-phenyle... | 15.616 | 204 | 1107239 | 41.821 | ng | | 99 |
| 62) 4-Nitroaniline | 15.646 | 138 | 486185 | 46.422 | ng | | 91 |
| 63) Azobenzene | 15.910 | 77 | 2179757 | 43.484 | ng | | 97 |
| 65) 4,6-Dinitro-2-methylph... | 15.699 | 198 | 396525 | 47.738 | ng | | 99 |
| 66) n-Nitrosodiphenylamine | 15.828 | 169 | 1941587 | 43.405 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 16.509 | 248 | 701668 | 39.868 | ng | | 98 |
| 68) Hexachlorobenzene | 16.627 | 284 | 833348 | 40.385 | ng | | 98 |
| 69) Atrazine | 16.780 | 200 | 764065 | 46.474 | ng | | 98 |
| 70) Pentachlorophenol | 16.968 | 266 | 1029545 | 90.822 | ng | | 98 |
| 71) Phenanthrene | 17.367 | 178 | 3516965 | 42.862 | ng | | 99 |
| 72) Anthracene | 17.455 | 178 | 3536203 | 43.387 | ng | | 97 |
| 73) Carbazole | 17.726 | 167 | 3259513 | 42.166 | ng | | 97 |
| 74) Di-n-butylphthalate | 18.284 | 149 | 3444348 | 45.978 | ng | | 98 |
| 75) Fluoranthene | 19.377 | 202 | 3963965 | 41.186 | ng | | 98 |
| 77) Benzidine | 19.559 | 184 | 1107886 | 26.885 | ng | | 99 |
| 78) Pyrene | 19.741 | 202 | 4085033 | 40.815 | ng | | 97 |
| 80) Butylbenzylphthalate | 20.628 | 149 | 1651375 | 55.957 | ng | | 98 |
| 81) Benzo(a)anthracene | 21.568 | 228 | 4098976 | 43.299 | ng | | 97 |
| 82) 3,3'-Dichlorobenzidine | 21.486 | 252 | 1125182 | 32.685 | ng | | 99 |
| 83) Chrysene | 21.633 | 228 | 3841395 | 41.768 | ng | | 96 |
| 84) Bis(2-ethylhexyl)phtha... | 21.474 | 149 | 2448602 | 54.712 | ng | | 98 |
| 85) Di-n-octyl phthalate | 22.673 | 149 | 4067296 | 55.520 | ng | | 100 |
| 87) Indeno(1,2,3-cd)pyrene | 28.384 | 276 | 5208209 | 44.370 | ng | # | 93 |
| 88) Benzo(b)fluoranthene | 23.754 | 252 | 4330696 | 43.285 | ng | | 98 |
| 89) Benzo(k)fluoranthene | 23.824 | 252 | 4171282 | 41.422 | ng | | 97 |
| 90) Benzo(a)pyrene | 24.612 | 252 | 3873866 | 42.796 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 28.448 | 278 | 4336992 | 44.968 | ng | | 99 |
| 92) Benzo(g,h,i)perylene | 29.518 | 276 | 4191692 | 42.908 | ng | | 98 |

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

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