Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG031424\
Data File : BG060658.D
Acq On : 15 Mar 2024 4:43
Operator : MA/JU
Sample : P1746-03MSD
Misc :
ALS Vial : 29 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
SB-01-4.0-6.0-DUPMSD

**Manual Integrations APPROVED**

Reviewed By :Jagrut Upadhyay 03/15/2024
Supervised By :mohammad ahmed 03/16/2024

Quant Time: Mar 15 07:37:47 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG031324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 14 00:45:22 2024
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 8.325 | 152 | 102590 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 11.169 | 136 | 484697 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.953 | 164 | 313265 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.696 | 188 | 641662 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 22.021 | 240 | 561111 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 25.570 | 264 | 653940 | 20.000 | ng | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.816 | 112 | 752529 | 115.310 | ng | | 0.00 |
| 7) Phenol-d6 | 7.444 | 99 | 1065967 | 112.600 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.524 | 82 | 650133 | 69.807 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.433 | 330 | 433999 | 119.556 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.578 | 172 | 1488535 | 64.245 | ng | | 0.00 |
| 79) Terphenyl-d14 | 20.276 | 244 | 1967338 | 63.375 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.642 | 88 | 115287 | 42.203 | ng | | 98 |
| 3) Pyridine | 4.065 | 79 | 295514 | 36.603 | ng | | 98 |
| 4) n-Nitrosodimethylamine | 3.995 | 42 | 191236 | 48.287 | ng | # | 98 |
| 6) Aniline | 7.649 | 93 | 436521 | 37.735 | ng | | 96 |
| 8) 2-Chlorophenol | 7.873 | 128 | 398354 | 55.839 | ng | | 98 |
| 9) Benzaldehyde | 7.467 | 77 | 119688 | 22.585 | ng | | 93 |
| 10) Phenol | 7.473 | 94 | 532610 | 56.071 | ng | | 100 |
| 11) bis(2-Chloroethyl)ether | 7.737 | 93 | 375801 | 49.629 | ng | | 99 |
| 12) 1,3-Dichlorobenzene | 8.202 | 146 | 384915 | 50.033 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 8.360 | 146 | 403495 | 51.741 | ng | | 100 |
| 14) 1,2-Dichlorobenzene | 8.678 | 146 | 395199 | 51.026 | ng | | 97 |
| 15) Benzyl Alcohol | 8.566 | 79 | 389067 | 51.983 | ng | | 99 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.824 | 45 | 729245 | 49.607 | ng | | 98 |
| 17) 2-Methylphenol | 8.742 | 107 | 362246 | 49.664 | ng | | 98 |
| 18) Hexachloroethane | 9.412 | 117 | 139683 | 52.435 | ng | | 97 |
| 19) n-Nitroso-di-n-propyla... | 9.136 | 70 | 320296 | 48.810 | ng | | 99 |
| 20) 3+4-Methylphenols | 9.077 | 107 | 492852 | 50.100 | ng | | 99 |
| 22) Acetophenone | 9.165 | 105 | 627836 | 48.314 | ng | # | 99 |
| 24) Nitrobenzene | 9.565 | 77 | 459643 | 49.366 | ng | | 97 |
| 25) Isophorone | 10.076 | 82 | 921031 | 49.411 | ng | | 98 |
| 26) 2-Nitrophenol | 10.276 | 139 | 205710 | 54.236 | ng | | 95 |
| 27) 2,4-Dimethylphenol | 10.293 | 122 | 344370 | 41.740 | ng | | 98 |
| 28) bis(2-Chloroethoxy)met... | 10.558 | 93 | 548529 | 49.087 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 10.799 | 162 | 403044 | 54.432 | ng | | 96 |
| 30) 1,2,4-Trichlorobenzene | 11.016 | 180 | 399283 | 50.786 | ng | | 98 |
| 31) Naphthalene | 11.222 | 128 | 1311960 | 48.461 | ng | | 100 |
| 32) Benzoic acid | 10.423 | 122 | 277888 | 50.847 | ng | | 96 |
| 33) 4-Chloroaniline | 11.333 | 127 | 296052 | 25.933 | ng | | 99 |
| 34) Hexachlorobutadiene | 11.451 | 225 | 261833 | 48.826 | ng | | 92 |
| 35) Caprolactam | 12.138 | 113 | 126979m | 50.943 | ng | | |
| 36) 4-Chloro-3-methylphenol | 12.403 | 107 | 471476 | 51.957 | ng | | 99 |
| 37) 2-Methylnaphthalene | 12.802 | 142 | 887207 | 47.447 | ng | | 98 |
| 38) 1-Methylnaphthalene | 13.020 | 142 | 820699 | 46.762 | ng | | 97 |
| 40) 1,2,4,5-Tetrachloroben... | 13.143 | 216 | 486376 | 50.557 | ng | | 99 |
| 41) Hexachlorocyclopentadiene | 13.096 | 237 | 522963 | 110.542 | ng | | 97 |
| 43) 2,4,6-Trichlorophenol | 13.384 | 196 | 329372 | 53.319 | ng | | 99 |

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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 | 13.448 | 196 | 356192 | 48.743 | ng | # | 96 |
| 46) 1,1'-Biphenyl | 13.789 | 154 | 1173234 | 49.271 | ng | | 100 |
| 47) 2-Chloronaphthalene | 13.842 | 162 | 927980 | 51.638 | ng | | 98 |
| 48) 2-Nitroaniline | 14.054 | 65 | 323706 | 54.577 | ng | | 100 |
| 49) Acenaphthylene | 14.682 | 152 | 1524428 | 52.072 | ng | | 99 |
| 50) Dimethylphthalate | 14.400 | 163 | 1157369 | 49.261 | ng | | 100 |
| 51) 2,6-Dinitrotoluene | 14.535 | 165 | 235060 | 54.298 | ng | | 97 |
| 52) Acenaphthene | 15.017 | 154 | 846462 | 48.386 | ng | | 97 |
| 53) 3-Nitroaniline | 14.876 | 138 | 195021 | 39.125 | ng | | 96 |
| 54) 2,4-Dinitrophenol | 15.070 | 184 | 245341 | 108.074 | ng | | 93 |
| 55) Dibenzofuran | 15.346 | 168 | 1368969 | 48.330 | ng | | 98 |
| 56) 4-Nitrophenol | 15.146 | 139 | 405173 | 108.933 | ng | | 97 |
| 57) 2,4-Dinitrotoluene | 15.311 | 165 | 317933 | 58.379 | ng | # | 97 |
| 58) Fluorene | 15.993 | 166 | 1099930 | 48.535 | ng | | 98 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.552 | 232 | 313495m | 51.442 | ng | | |
| 60) Diethylphthalate | 15.740 | 149 | 1171672 | 48.469 | ng | | 99 |
| 61) 4-Chlorophenyl-phenyle... | 15.975 | 204 | 552056 | 48.092 | ng | | 99 |
| 62) 4-Nitroaniline | 16.040 | 138 | 263761m | 51.675 | ng | | |
| 63) Azobenzene | 16.269 | 77 | 1223274 | 48.897 | ng | | 99 |
| 65) 4,6-Dinitro-2-methylph... | 16.063 | 198 | 167832 | 56.891 | ng | | 97 |
| 66) n-Nitrosodiphenylamine | 16.198 | 169 | 993977 | 49.497 | ng | | 97 |
| 67) 4-Bromophenyl-phenylether | 16.874 | 248 | 360914 | 52.159 | ng | | 98 |
| 68) Hexachlorobenzene | 16.962 | 284 | 418938 | 52.660 | ng | | 99 |
| 69) Atrazine | 17.127 | 200 | 350225 | 52.143 | ng | | 96 |
| 70) Pentachlorophenol | 17.320 | 266 | 525538 | 101.921 | ng | | 97 |
| 71) Phenanthrene | 17.743 | 178 | 1686218 | 48.784 | ng | | 99 |
| 72) Anthracene | 17.832 | 178 | 1725916 | 49.385 | ng | | 99 |
| 73) Carbazole | 18.108 | 167 | 1520029 | 50.021 | ng | | 99 |
| 74) Di-n-butylphthalate | 18.613 | 149 | 1875633 | 50.649 | ng | | 99 |
| 75) Fluoranthene | 19.735 | 202 | 1856614 | 48.559 | ng | | 99 |
| 77) Benzidine | 19.923 | 184 | 1189274 | 86.652 | ng | | 98 |
| 78) Pyrene | 20.094 | 202 | 1942079 | 49.596 | ng | | 100 |
| 80) Butylbenzylphthalate | 20.957 | 149 | 819882 | 55.384 | ng | | 97 |
| 81) Benzo(a)anthracene | 21.997 | 228 | 1957498 | 50.667 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 21.909 | 252 | 483345 | 37.118 | ng | | 95 |
| 83) Chrysene | 22.068 | 228 | 1846326 | 49.218 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 21.833 | 149 | 1192379 | 54.530 | ng | | 99 |
| 85) Di-n-octyl phthalate | 23.161 | 149 | 2041995 | 56.709 | ng | | 100 |
| 87) Indeno(1,2,3-cd)pyrene | 29.706 | 276 | 2404413 | 53.903 | ng | # | 89 |
| 88) Benzo(b)fluoranthene | 24.418 | 252 | 1879046 | 52.231 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 24.506 | 252 | 1952564 | 51.662 | ng | | 99 |
| 90) Benzo(a)pyrene | 25.405 | 252 | 1794196 | 50.869 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 29.788 | 278 | 1950954 | 51.522 | ng | | 97 |
| 92) Benzo(g,h,i)perylene | 31.010 | 276 | 1849812 | 50.455 | ng | | 98 |

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

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