Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG070821\
Data File : BG049215.D
Acq On : 8 Jul 2021 11:22
Operator : CG/JU
Sample : PB137554BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
PB137554BS

**Manual Integrations APPROVED**
mohammad
7/9/2021 2:46:20 PM

Quant Time: Jul 08 12:13:14 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG063021.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 06 10:59:02 2021
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 8.091 | 152 | 34019 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.911 | 136 | 142967 | 20.000 | ng | # | 0.00 |
| 39) Acenaphthene-d10 | 14.736 | 164 | 104893 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.485 | 188 | 244532 | 20.000 | ng | # | 0.00 |
| 76) Chrysene-d12 | 21.775 | 240 | 246570 | 20.000 | ng | | 0.01 |
| 86) Perylene-d12 | 25.082 | 264 | 236923 | 20.000 | ng | | 0.02 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.640 | 112 | 277513 | 127.770 | ng | | 0.00 |
| 7) Phenol-d6 | 7.250 | 99 | 375551 | 121.278 | ng | | 0.01 |
| 23) Nitrobenzene-d5 | 9.260 | 82 | 263581 | 78.166 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.228 | 330 | 221213 | 121.655 | ng | | 0.01 |
| 45) 2-Fluorobiphenyl | 13.355 | 172 | 611125 | 78.604 | ng | | 0.00 |
| 79) Terphenyl-d14 | 20.088 | 244 | 1062498 | 73.019 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.502 | 88 | 29147 | 30.566 | ng | # | 76 |
| 3) Pyridine | 3.913 | 79 | 74396 | 28.855 | ng | | 92 |
| 4) n-Nitrosodimethylamine | 3.825 | 42 | 56833 | 38.811 | ng | # | 76 |
| 6) Aniline | 7.415 | 93 | 122917 | 32.604 | ng | | 94 |
| 8) 2-Chlorophenol | 7.650 | 128 | 108258 | 45.429 | ng | | 89 |
| 9) Benzaldehyde | 7.221 | 77 | 9498m | 5.831 | ng | | |
| 10) Phenol | 7.274 | 94 | 142221 | 45.720 | ng | | 94 |
| 11) bis(2-Chloroethyl)ether | 7.503 | 93 | 94460 | 41.632 | ng | | 86 |
| 12) 1,3-Dichlorobenzene | 7.979 | 146 | 105270 | 39.497 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 8.126 | 146 | 108621 | 40.528 | ng | | 97 |
| 14) 1,2-Dichlorobenzene | 8.449 | 146 | 107220 | 41.553 | ng | | 92 |
| 15) Benzyl Alcohol | 8.331 | 79 | 117261 | 43.003 | ng | | 95 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.619 | 45 | 157783 | 40.963 | ng | | 83 |
| 17) 2-Methylphenol | 8.537 | 107 | 95387 | 45.506 | ng | | 98 |
| 18) Hexachloroethane | 9.183 | 117 | 44067 | 41.174 | ng | | 97 |
| 19) n-Nitroso-di-n-propyla... | 8.901 | 70 | 87896 | 39.496 | ng | | 94 |
| 20) 3+4-Methylphenols | 8.860 | 107 | 131198 | 45.148 | ng | | 97 |
| 22) Acetophenone | 8.919 | 105 | 172863 | 40.534 | ng | # | 97 |
| 24) Nitrobenzene | 9.307 | 77 | 140890 | 38.561 | ng | | 92 |
| 25) Isophorone | 9.830 | 82 | 241514 | 37.286 | ng | | 98 |
| 26) 2-Nitrophenol | 10.018 | 139 | 60950 | 41.902 | ng | | 95 |
| 27) 2,4-Dimethylphenol | 10.076 | 122 | 103422 | 47.389 | ng | | 99 |
| 28) bis(2-Chloroethoxy)met... | 10.311 | 93 | 133648 | 43.756 | ng | | 95 |
| 29) 2,4-Dichlorophenol | 10.558 | 162 | 116799 | 44.627 | ng | | 95 |
| 30) 1,2,4-Trichlorobenzene | 10.776 | 180 | 121047 | 39.272 | ng | | 97 |
| 31) Naphthalene | 10.964 | 128 | 324773 | 39.017 | ng | | 99 |
| 32) Benzoic acid | 10.229 | 122 | 72356 | 41.959 | ng | # | 79 |
| 33) 4-Chloroaniline | 11.064 | 127 | 72976 | 21.202 | ng | | 96 |
| 34) Hexachlorobutadiene | 11.252 | 225 | 88788 | 38.990 | ng | | 96 |
| 35) Caprolactam | 11.857 | 113 | 36445m | 43.874 | ng | | |
| 36) 4-Chloro-3-methylphenol | 12.192 | 107 | 130359 | 43.287 | ng | # | 95 |
| 37) 2-Methylnaphthalene | 12.568 | 142 | 256583 | 40.933 | ng | | 97 |
| 38) 1-Methylnaphthalene | 12.785 | 142 | 236561 | 39.849 | ng | | 91 |
| 40) 1,2,4,5-Tetrachloroben... | 12.932 | 216 | 150402 | 41.101 | ng | | 97 |
| 41) Hexachlorocyclopentadiene | 12.914 | 237 | 206389 | 95.215 | ng | | 92 |
| 43) 2,4,6-Trichlorophenol | 13.173 | 196 | 103699 | 41.038 | ng | | 95 |

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Quant Time: Jul 08 12:13:14 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG063021.M
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 | 13.249 | 196 | 114509 | 41.439 | ng | | 88 |
| 46) | 1,1'-Biphenyl | 13.572 | 154 | 329561 | 42.058 | ng | | 98 |
| 47) | 2-Chloronaphthalene | 13.613 | 162 | 254127 | 39.412 | ng | | 98 |
| 48) | 2-Nitroaniline | 13.813 | 65 | 97607 | 41.514 | ng | | 96 |
| 49) | Acenaphthylene | 14.460 | 152 | 418214 | 41.140 | ng | | 97 |
| 50) | Dimethylphthalate | 14.189 | 163 | 348920 | 41.448 | ng | | 100 |
| 51) | 2,6-Dinitrotoluene | 14.307 | 165 | 78422 | 40.637 | ng | | 90 |
| 52) | Acenaphthene | 14.800 | 154 | 251420 | 39.683 | ng | | 94 |
| 53) | 3-Nitroaniline | 14.636 | 138 | 51484 | 27.774 | ng | # | 99 |
| 54) | 2,4-Dinitrophenol | 14.847 | 184 | 102182 | 77.297 | ng | | 97 |
| 55) | Dibenzofuran | 15.135 | 168 | 405497 | 39.315 | ng | | 98 |
| 56) | 4-Nitrophenol | 14.947 | 139 | 126283 | 83.599 | ng | | 92 |
| 57) | 2,4-Dinitrotoluene | 15.094 | 165 | 111446 | 40.655 | ng | | 96 |
| 58) | Fluorene | 15.782 | 166 | 344642 | 40.402 | ng | | 96 |
| 59) | 2,3,4,6-Tetrachlorophenol | 15.358 | 232 | 110891m | 43.109 | ng | | |
| 60) | Diethylphthalate | 15.547 | 149 | 371174 | 41.611 | ng | | 98 |
| 61) | 4-Chlorophenyl-phenyle... | 15.770 | 204 | 196050 | 41.522 | ng | | 98 |
| 62) | 4-Nitroaniline | 15.805 | 138 | 75343 | 39.126 | ng | | 92 |
| 63) | Azobenzene | 16.069 | 77 | 342668 | 38.105 | ng | | 92 |
| 65) | 4,6-Dinitro-2-methylph... | 15.858 | 198 | 66498 | 38.070 | ng | | 91 |
| 66) | n-Nitrosodiphenylamine | 15.987 | 169 | 301906 | 39.476 | ng | | 98 |
| 67) | 4-Bromophenyl-phenylether | 16.669 | 248 | 137329 | 41.628 | ng | | 93 |
| 68) | Hexachlorobenzene | 16.792 | 284 | 147915 | 40.557 | ng | | 93 |
| 69) | Atrazine | 16.933 | 200 | 129434 | 50.962 | ng | | 98 |
| 70) | Pentachlorophenol | 17.133 | 266 | 186520 | 87.861 | ng | | 95 |
| 71) | Phenanthrene | 17.527 | 178 | 558051 | 39.631 | ng | | 98 |
| 72) | Anthracene | 17.621 | 178 | 563945 | 40.175 | ng | | 98 |
| 73) | Carbazole | 17.885 | 167 | 511644 | 38.230 | ng | | 96 |
| 74) | Di-n-butylphthalate | 18.437 | 149 | 622059 | 40.426 | ng | | 98 |
| 75) | Fluoranthene | 19.536 | 202 | 697364 | 39.559 | ng | | 98 |
| 77) | Benzidine | 19.712 | 184 | 218158 | 41.191 | ng | | 98 |
| 78) | Pyrene | 19.900 | 202 | 698636 | 38.148 | ng | | 97 |
| 80) | Butylbenzylphthalate | 20.776 | 149 | 279982 | 40.353 | ng | | 97 |
| 81) | Benzo(a)anthracene | 21.751 | 228 | 695359 | 37.810 | ng | | 99 |
| 82) | 3,3'-Dichlorobenzidine | 21.663 | 252 | 195254 | 31.209 | ng | | 100 |
| 83) | Chrysene | 21.822 | 228 | 673461 | 38.546 | ng | | 96 |
| 84) | Bis(2-ethylhexyl)phtha... | 21.645 | 149 | 397081 | 40.518 | ng | | 96 |
| 85) | Di-n-octyl phthalate | 22.891 | 149 | 664783 | 40.305 | ng | | 98 |
| 87) | Indeno(1,2,3-cd)pyrene | 28.884 | 276 | 836650 | 44.256 | ng | # | 97 |
| 88) | Benzo(b)fluoranthene | 24.031 | 252 | 743414 | 43.482 | ng | # | 96 |
| 89) | Benzo(k)fluoranthene | 24.101 | 252 | 707154m | 43.355 | ng | | |
| 90) | Benzo(a)pyrene | 24.930 | 252 | 695487 | 44.097 | ng | # | 98 |
| 91) | Dibenzo(a,h)anthracene | 28.954 | 278 | 705879 | 44.237 | ng | # | 97 |
| 92) | Benzo(g,h,i)perylene | 30.071 | 276 | 696766 | 44.298 | ng | | 99 |

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

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