Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062622\
Data File : BG054075.D
Acq On : 26 Jun 2022 16:37
Operator : CG/JU
Sample : N3488-12MS
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 27 00:29:52 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG061322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 27 00:27:54 2022
Response via : Initial Calibration

**Instrument :**
BNA_G
**ClientSampleId :**
SB-7-16-18-20220623MS

**Manual Integrations APPROVED**
Reviewed By :Christian Giraldo 06/27/2022
Supervised By :Jagrut Upadhyay 06/27/2022

Supervised By :Jagrut Upadhyay
06/27/2022

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 8.073 | 152 | 25736 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.881 | 136 | 105394 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.695 | 164 | 76555 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.438 | 188 | 197870 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.716 | 240 | 216304 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 24.965 | 264 | 226643 | 20.000 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.640 | 112 | 213222 | 158.401 | ng | | 0.00 |
| 7) Phenol-d6 | 7.233 | 99 | 281291 | 154.042 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.230 | 82 | 181924 | 97.002 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.181 | 330 | 152804 | 124.232 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.320 | 172 | 454469 | 86.325 | ng | | 0.00 |
| 79) Terphenyl-d14 | 20.047 | 244 | 1000647 | 93.174 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.525 | 88 | 25648 | 43.587 | ng | | 92 |
| 3) Pyridine | 3.919 | 79 | 65264 | 41.563 | ng | | 93 |
| 4) n-Nitrosodimethylamine | 3.837 | 42 | 39356 | 56.980 | ng | # | 94 |
| 6) Aniline | 7.391 | 93 | 54627 | 25.232 | ng | | 96 |
| 8) 2-Chlorophenol | 7.638 | 128 | 77217 | 53.724 | ng | | 94 |
| 9) Benzaldehyde | 7.203 | 77 | 52892 | 49.078 | ng | # | 78 |
| 10) Phenol | 7.256 | 94 | 102492 | 55.382 | ng | | 93 |
| 11) bis(2-Chloroethyl)ether | 7.485 | 93 | 73791 | 51.949 | ng | | 96 |
| 12) 1,3-Dichlorobenzene | 7.961 | 146 | 85622 | 47.542 | ng | | 91 |
| 13) 1,4-Dichlorobenzene | 8.108 | 146 | 86370 | 47.742 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 8.425 | 146 | 83779 | 48.241 | ng | | 97 |
| 15) Benzyl Alcohol | 8.308 | 79 | 73134 | 53.586 | ng | | 94 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.596 | 45 | 120471 | 56.734 | ng | | 99 |
| 17) 2-Methylphenol | 8.514 | 107 | 66675 | 51.864 | ng | | 90 |
| 18) Hexachloroethane | 9.160 | 117 | 29678 | 49.451 | ng | # | 84 |
| 19) n-Nitroso-di-n-propyla... | 8.872 | 70 | 59896 | 48.823 | ng | | 95 |
| 20) 3+4-Methylphenols | 8.837 | 107 | 92642 | 51.385 | ng | | 96 |
| 22) Acetophenone | 8.890 | 105 | 117233 | 45.761 | ng | # | 98 |
| 24) Nitrobenzene | 9.272 | 77 | 88161 | 47.736 | ng | # | 88 |
| 25) Isophorone | 9.794 | 82 | 164374 | 46.928 | ng | # | 94 |
| 26) 2-Nitrophenol | 9.988 | 139 | 42250 | 51.794 | ng | # | 83 |
| 27) 2,4-Dimethylphenol | 10.047 | 122 | 73302 | 55.519 | ng | | 91 |
| 28) bis(2-Chloroethoxy)met... | 10.276 | 93 | 99177 | 52.560 | ng | # | 96 |
| 29) 2,4-Dichlorophenol | 10.529 | 162 | 83897 | 47.393 | ng | | 93 |
| 30) 1,2,4-Trichlorobenzene | 10.740 | 180 | 87550 | 39.942 | ng | | 98 |
| 31) Naphthalene | 10.928 | 128 | 233537 | 43.893 | ng | | 99 |
| 32) Benzoic acid | 10.206 | 122 | 31353m | 52.977 | ng | | |
| 33) 4-Chloroaniline | 11.034 | 127 | 25021 | 11.336 | ng | # | 91 |
| 34) Hexachlorobutadiene | 11.222 | 225 | 63168 | 37.484 | ng | | 95 |
| 35) Caprolactam | 11.792 | 113 | 25665m | 52.665 | ng | | |
| 36) 4-Chloro-3-methylphenol | 12.150 | 107 | 83543 | 48.548 | ng | | 87 |
| 37) 2-Methylnaphthalene | 12.532 | 142 | 172233 | 43.753 | ng | | 96 |
| 38) 1-Methylnaphthalene | 12.750 | 142 | 166882 | 43.539 | ng | | 97 |
| 40) 1,2,4,5-Tetrachloroben... | 12.897 | 216 | 115843 | 39.271 | ng | | 98 |
| 41) Hexachlorocyclopentadiene | 12.879 | 237 | 144065 | 104.883 | ng | | 98 |
| 43) 2,4,6-Trichlorophenol | 13.132 | 196 | 74551 | 44.992 | ng | | 100 |

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| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 13.208 | 196 | 84013 | 45.409 | ng | | 96 |
| 46) 1,1'-Biphenyl | 13.531 | 154 | 244526 | 45.856 | ng | | 99 |
| 47) 2-Chloronaphthalene | 13.578 | 162 | 190554 | 44.155 | ng | | 96 |
| 48) 2-Nitroaniline | 13.772 | 65 | 60816 | 52.976 | ng | | 94 |
| 49) Acenaphthylene | 14.418 | 152 | 307524 | 45.826 | ng | | 99 |
| 50) Dimethylphthalate | 14.148 | 163 | 259895 | 44.576 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 14.260 | 165 | 57358 | 48.693 | ng | # | 80 |
| 52) Acenaphthene | 14.759 | 154 | 224298m | 52.436 | ng | | |
| 53) 3-Nitroaniline | 14.595 | 138 | 21662 | 18.981 | ng | | 92 |
| 54) 2,4-Dinitrophenol | 14.800 | 184 | 70213 | 105.553 | ng | # | 80 |
| 55) Dibenzofuran | 15.094 | 168 | 305480 | 44.325 | ng | | 96 |
| 56) 4-Nitrophenol | 14.906 | 139 | 95982 | 118.462 | ng | # | 86 |
| 57) 2,4-Dinitrotoluene | 15.053 | 165 | 82535 | 49.611 | ng | | 93 |
| 58) Fluorene | 15.740 | 166 | 254492 | 44.974 | ng | | 94 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.323 | 232 | 78199 | 43.220 | ng | # | 94 |
| 60) Diethylphthalate | 15.505 | 149 | 259858 | 46.023 | ng | | 98 |
| 61) 4-Chlorophenyl-phenyle... | 15.729 | 204 | 143973 | 42.499 | ng | | 93 |
| 62) 4-Nitroaniline | 15.758 | 138 | 57301 | 48.146 | ng | # | 73 |
| 63) Azobenzene | 16.022 | 77 | 229749 | 50.551 | ng | | 93 |
| 65) 4,6-Dinitro-2-methylph... | 15.817 | 198 | 49539 | 50.182 | ng | | 92 |
| 66) n-Nitrosodiphenylamine | 15.946 | 169 | 232137 | 45.015 | ng | | 97 |
| 67) 4-Bromophenyl-phenylether | 16.628 | 248 | 100568 | 40.694 | ng | | 94 |
| 68) Hexachlorobenzene | 16.751 | 284 | 109626 | 38.780 | ng | | 96 |
| 69) Atrazine | 16.892 | 200 | 106450 | 49.830 | ng | | 94 |
| 70) Pentachlorophenol | 17.092 | 266 | 124902 | 95.117 | ng | | 98 |
| 71) Phenanthrene | 17.485 | 178 | 453145 | 44.575 | ng | | 97 |
| 72) Anthracene | 17.574 | 178 | 463375 | 46.677 | ng | | 100 |
| 73) Carbazole | 17.838 | 167 | 424372 | 49.803 | ng | | 99 |
| 74) Di-n-butylphthalate | 18.396 | 149 | 492054 | 49.944 | ng | # | 98 |
| 75) Fluoranthene | 19.489 | 202 | 597807 | 44.796 | ng | | 96 |
| 77) Benzidine | 19.671 | 184 | 260794 | 58.220 | ng | | 99 |
| 78) Pyrene | 19.853 | 202 | 602510 | 46.119 | ng | | 97 |
| 80) Butylbenzylphthalate | 20.735 | 149 | 215969 | 51.575 | ng | | 94 |
| 81) Benzo(a)anthracene | 21.698 | 228 | 616833 | 44.043 | ng | | 98 |
| 82) 3,3'-Dichlorobenzidine | 21.610 | 252 | 165668 | 39.592 | ng | | 97 |
| 83) Chrysene | 21.763 | 228 | 580437 | 43.479 | ng | | 97 |
| 84) Bis(2-ethylhexyl)phtha... | 21.604 | 149 | 316992 | 52.929 | ng | | 95 |
| 85) Di-n-octyl phthalate | 22.826 | 149 | 560697 | 54.470 | ng | | 98 |
| 87) Indeno(1,2,3-cd)pyrene | 28.696 | 276 | 734795 | 42.962 | ng | # | 94 |
| 88) Benzo(b)fluoranthene | 23.937 | 252 | 652883 | 47.377 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 24.007 | 252 | 625208m | 45.823 | ng | | |
| 90) Benzo(a)pyrene | 24.818 | 252 | 577636 | 49.681 | ng | # | 98 |
| 91) Dibenzo(a,h)anthracene | 28.755 | 278 | 633548 | 44.795 | ng | | 97 |
| 92) Benzo(g,h,i)perylene | 29.859 | 276 | 630536 | 45.175 | ng | | 94 |

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

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