Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG020720\
Data File : BG044331.D
Acq On : 7 Feb 2020 10:54
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** SSTDCCC040

Quant Time: Feb 08 02:29:50 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG013020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jan 30 16:05:09 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.92 | 152 | 104802 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.71 | 136 | 423533 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.55 | 164 | 267738 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.29 | 188 | 566065 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.55 | 240 | 497021 | 20.00 | ng | | 0.00 |
| 87) Perylene-d12 | 24.64 | 264 | 579030 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.50 | 112 | 485341 | 81.73 | ng | | 0.00 |
| 7) Phenol-d6 | 7.09 | 99 | 647243 | 81.17 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.07 | 82 | 592224 | 78.94 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.04 | 330 | 254485 | 80.97 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.18 | 172 | 1282801 | 80.23 | ng | | 0.00 |
| 79) Terphenyl-d14 | 19.91 | 244 | 1842694 | 76.26 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.39 | 88 | 104011 | 38.984 | ng | | 99 |
| 3) Pyridine | 3.79 | 79 | 299254 | 42.099 | ng | | 98 |
| 4) n-Nitrosodimethylamine | 3.70 | 42 | 116681 | 39.282 | ng | | 100 |
| 6) Aniline | 7.24 | 93 | 394481 | 39.854 | ng | | 100 |
| 8) 2-Chlorophenol | 7.48 | 128 | 263892 | 40.435 | ng | | 99 |
| 9) Benzaldehyde | 7.05 | 77 | 173289 | 38.156 | ng | | 97 |
| 10) Phenol | 7.12 | 94 | 320501 | 40.611 | ng | | 99 |
| 11) bis(2-Chloroethyl)ether | 7.34 | 93 | 266416 | 39.487 | ng | | 97 |
| 12) 1,3-Dichlorobenzene | 7.81 | 146 | 307741 | 39.493 | ng | | 97 |
| 13) 1,4-Dichlorobenzene | 7.95 | 146 | 307882 | 39.893 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 8.27 | 146 | 295014 | 40.442 | ng | | 100 |
| 15) Benzyl Alcohol | 8.15 | 79 | 226295 | 40.084 | ng | | 98 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.45 | 45 | 363357 | 39.790 | ng | | 99 |
| 17) 2-Methylphenol | 8.36 | 107 | 225348 | 40.021 | ng | | 98 |
| 18) Hexachloroethane | 9.00 | 117 | 116459 | 40.212 | ng | | 97 |
| 19) n-Nitroso-di-n-propylamine | 8.72 | 70 | 207009 | 38.952 | ng | | 98 |
| 20) 3+4-Methylphenols | 8.69 | 107 | 310823 | 40.055 | ng | | 99 |
| 22) Acetophenone | 8.73 | 105 | 409495 | 39.744 | ng | # | 99 |
| 24) Nitrobenzene | 9.12 | 77 | 288328 | 39.369 | ng | | 99 |
| 25) Isophorone | 9.64 | 82 | 549586 | 39.305 | ng | | 99 |
| 26) 2-Nitrophenol | 9.83 | 139 | 159182 | 41.888 | ng | | 99 |
| 27) 2,4-Dimethylphenol | 9.89 | 122 | 215330 | 40.141 | ng | | 100 |
| 28) bis(2-Chloroethoxy)methane | 10.12 | 93 | 367241 | 39.371 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 10.37 | 162 | 261478 | 40.311 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 10.58 | 180 | 296949 | 39.925 | ng | | 99 |
| 31) Naphthalene | 10.77 | 128 | 821027 | 39.955 | ng | | 100 |
| 32) Benzoic acid | 10.06 | 122 | 137988 | 41.694 | ng | | 93 |
| 33) 4-Chloroaniline | 10.87 | 127 | 372270 | 39.834 | ng | | 99 |
| 34) Hexachlorobutadiene | 11.06 | 225 | 180541 | 39.449 | ng | | 98 |
| 35) Caprolactam | 11.64 | 113 | 96138 | 40.460 | ng | | 98 |
| 36) 4-Chloro-3-methylphenol | 12.01 | 107 | 268344 | 39.458 | ng | | 100 |
| 37) 2-Methylnaphthalene | 12.38 | 142 | 602366 | 39.482 | ng | | 99 |
| 38) 1-Methylnaphthalene | 12.59 | 142 | 569201 | 39.572 | ng | | 99 |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.75 | 216 | 320280 | 39.990 | ng | | 99 |

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| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 12.74 | 237 | 178834 | 46.536 | ng | | 99 |
| 43) 2,4,6-Trichlorophenol | 12.99 | 196 | 217065 | 41.931 | ng | | 99 |
| 44) 2,4,5-Trichlorophenol | 13.06 | 196 | 218912 | 41.401 | ng | | 99 |
| 46) 1,1'-Biphenyl | 13.39 | 154 | 779342 | 40.355 | ng | | 100 |
| 47) 2-Chloronaphthalene | 13.43 | 162 | 615627 | 40.060 | ng | | 99 |
| 48) 2-Nitroaniline | 13.63 | 65 | 180374 | 39.771 | ng | | 94 |
| 49) Acenaphthylene | 14.27 | 152 | 912437 | 40.480 | ng | | 100 |
| 50) Dimethylphthalate | 14.01 | 163 | 762529 | 39.621 | ng | | 100 |
| 51) 2,6-Dinitrotoluene | 14.12 | 165 | 170101 | 39.640 | ng | | 98 |
| 52) Acenaphthene | 14.62 | 154 | 576496 | 39.459 | ng | | 98 |
| 53) 3-Nitroaniline | 14.45 | 138 | 192224 | 40.489 | ng | | 100 |
| 54) 2,4-Dinitrophenol | 14.66 | 184 | 98873 | 42.804 | ng | | 100 |
| 55) Dibenzofuran | 14.95 | 168 | 880607 | 39.810 | ng | | 99 |
| 56) 4-Nitrophenol | 14.77 | 139 | 148906 | 42.819 | ng | | 97 |
| 57) 2,4-Dinitrotoluene | 14.91 | 165 | 240565 | 39.998 | ng | | 97 |
| 58) Fluorene | 15.60 | 166 | 691699 | 39.701 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.18 | 232 | 197708 | 41.396 | ng | | 98 |
| 60) Diethylphthalate | 15.37 | 149 | 763094 | 39.792 | ng | | 100 |
| 61) 4-Chlorophenyl-phenylether | 15.60 | 204 | 369712 | 39.137 | ng | | 97 |
| 62) 4-Nitroaniline | 15.62 | 138 | 192027 | 40.479 | ng | | 96 |
| 63) Azobenzene | 15.88 | 77 | 661611 | 39.364 | ng | | 99 |
| 65) 4,6-Dinitro-2-methylphenol | 15.68 | 198 | 133089 | 42.593 | ng | | 99 |
| 66) n-Nitrosodiphenylamine | 15.81 | 169 | 637061 | 40.159 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 16.49 | 248 | 247788 | 40.178 | ng | | 98 |
| 68) Hexachlorobenzene | 16.61 | 284 | 272017 | 39.369 | ng | | 99 |
| 69) Atrazine | 16.76 | 200 | 218976 | 40.273 | ng | | 98 |
| 70) Pentachlorophenol | 16.95 | 266 | 146905 | 43.536 | ng | | 97 |
| 71) Phenanthrene | 17.34 | 178 | 1108056 | 40.424 | ng | | 100 |
| 72) Anthracene | 17.43 | 178 | 1098139 | 40.522 | ng | | 100 |
| 73) Carbazole | 17.70 | 167 | 1036139 | 41.474 | ng | | 99 |
| 74) Di-n-butylphthalate | 18.26 | 149 | 1303282 | 42.214 | ng | | 100 |
| 75) Fluoranthene | 19.35 | 202 | 1304587 | 41.142 | ng | | 99 |
| 77) Benzidine | 19.53 | 184 | 590499 | 42.833 | ng | | 99 |
| 78) Pyrene | 19.71 | 202 | 1311411 | 41.086 | ng | | 99 |
| 80) Butylbenzylphthalate | 20.60 | 149 | 612642 | 42.118 | ng | | 99 |
| 81) Benzo(a)anthracene | 21.52 | 228 | 1266238 | 41.337 | ng | | 100 |
| 82) 3,3'-Dichlorobenzidine | 21.44 | 252 | 508771 | 42.795 | ng | | 100 |
| 83) Chrysene | 21.59 | 228 | 1215010 | 41.036 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phthalate | 21.45 | 149 | 834356 | 41.674 | ng | | 100 |
| 85) Di-n-octyl phthalate | 22.62 | 149 | 1474666 | 42.570 | ng | | 100 |
| 86) Indeno(1,2,3-cd)pyrene | 28.16 | 276 | 1571894 | 40.692 | ng | # | 93 |
| 88) Benzo(b)fluoranthene | 23.66 | 252 | 1364399 | 40.892 | ng | | 100 |
| 89) Benzo(k)fluoranthene | 23.73 | 252 | 1319138 | 40.565 | ng | | 99 |
| 90) Benzo(a)pyrene | 24.50 | 252 | 1292371 | 40.967 | ng | | 98 |
| 91) Dibenzo(a,h)anthracene | 28.21 | 278 | 1272906 | 40.771 | ng | | 98 |
| 92) Benzo(g,h,i)perylene | 29.25 | 276 | 1257611 | 40.238 | ng | | 97 |

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

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