Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG050620\
Data File : BG045249.D
Acq On : 6 May 2020 12:15
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

**Manual Integrations APPROVED**
Sohil
5/8/2020 5:20:03 PM

Quant Time: May 06 13:03:59 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG041520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 06 12:59:59 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.98 | 152 | 75709 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.79 | 136 | 298964 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.63 | 164 | 212300 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.38 | 188 | 484382 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.64 | 240 | 395456 | 20.00 | ng | | 0.00 |
| 87) Perylene-d12 | 24.82 | 264 | 463062 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.55 | 112 | 345619 | 75.37 | ng | | 0.00 |
| 7) Phenol-d6 | 7.15 | 99 | 501377 | 73.59 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.14 | 82 | 478401 | 73.02 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.12 | 330 | 231310 | 70.53 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.25 | 172 | 1102480 | 76.15 | ng | | 0.00 |
| 79) Terphenyl-d14 | 19.99 | 244 | 1622917 | 89.45 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.44 | 88 | 80580 | 39.539 | ng | | 97 |
| 3) Pyridine | 3.84 | 79 | 195177 | 31.104 | ng | | 96 |
| 4) n-Nitrosodimethylamine | 3.76 | 42 | 76935 | 40.023 | ng | | 91 |
| 6) Aniline | 7.30 | 93 | 330883 | 37.351 | ng | | 100 |
| 8) 2-Chlorophenol | 7.55 | 128 | 195673 | 39.702 | ng | | 99 |
| 9) Benzaldehyde | 7.12 | 77 | 154643 | 40.389 | ng | | 98 |
| 10) Phenol | 7.18 | 94 | 267279 | 39.202 | ng | | 99 |
| 11) bis(2-Chloroethyl)ether | 7.40 | 93 | 194267 | 35.788 | ng | | 95 |
| 12) 1,3-Dichlorobenzene | 7.87 | 146 | 221651 | 38.166 | ng | | 98 |
| 13) 1,4-Dichlorobenzene | 8.02 | 146 | 223959 | 38.701 | ng | | 96 |
| 14) 1,2-Dichlorobenzene | 8.34 | 146 | 212932 | 38.461 | ng | | 96 |
| 15) Benzyl Alcohol | 8.22 | 79 | 212883 | 37.267 | ng | | 94 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.51 | 45 | 185841 | 34.876 | ng | | 97 |
| 17) 2-Methylphenol | 8.43 | 107 | 181767 | 34.554 | ng | | 96 |
| 18) Hexachloroethane | 9.07 | 117 | 89074 | 40.945 | ng | | 97 |
| 19) n-Nitroso-di-n-propylamine | 8.79 | 70 | 173402 | 35.987 | ng | | 97 |
| 20) 3+4-Methylphenols | 8.76 | 107 | 246091 | 33.423 | ng | | 98 |
| 22) Acetophenone | 8.80 | 105 | 336556 | 41.628 | ng | # | 97 |
| 24) Nitrobenzene | 9.18 | 77 | 260238 | 38.748 | ng | | 96 |
| 25) Isophorone | 9.71 | 82 | 488259 | 36.389 | ng | | 99 |
| 26) 2-Nitrophenol | 9.90 | 139 | 118888 | 41.096 | ng | | 97 |
| 27) 2,4-Dimethylphenol | 9.96 | 122 | 186382 | 40.604 | ng | | 97 |
| 28) bis(2-Chloroethoxy)methane | 10.19 | 93 | 279536 | 39.651 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 10.44 | 162 | 204357 | 38.555 | ng | | 95 |
| 30) 1,2,4-Trichlorobenzene | 10.66 | 180 | 235833 | 39.298 | ng | | 95 |
| 31) Naphthalene | 10.85 | 128 | 636365 | 38.910 | ng | | 98 |
| 32) Benzoic acid | 10.11 | 122 | 112068 | 32.582 | ng | | 96 |
| 33) 4-Chloroaniline | 10.95 | 127 | 272031 | 35.665 | ng | | 98 |
| 34) Hexachlorobutadiene | 11.14 | 225 | 165343 | 40.186 | ng | | 98 |
| 35) Caprolactam | 11.72 | 113 | 75854 | 35.958 | ng | | 94 |
| 36) 4-Chloro-3-methylphenol | 12.08 | 107 | 235230 | 37.779 | ng | | 98 |
| 37) 2-Methylnaphthalene | 12.46 | 142 | 482887 | 38.040 | ng | | 97 |
| 38) 1-Methylnaphthalene | 12.67 | 142 | 451401 | 37.667 | ng | | 97 |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.83 | 216 | 281201 | 41.138 | ng | | 100 |

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|---|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 12.81 | 237 | 185878 | 43.508 | ng | | 100 |
| 43) 2,4,6-Trichlorophenol | 13.06 | 196 | 187625 | 38.892 | ng | | 97 |
| 44) 2,4,5-Trichlorophenol | 13.14 | 196 | 197953 | 36.049 | ng | | 97 |
| 46) 1,1'-Biphenyl | 13.46 | 154 | 637281 | 39.494 | ng | | 99 |
| 47) 2-Chloronaphthalene | 13.50 | 162 | 472592 | 38.329 | ng | | 98 |
| 48) 2-Nitroaniline | 13.70 | 65 | 151473 | 37.339 | ng | | 96 |
| 49) Acenaphthylene | 14.35 | 152 | 788463 | 39.259 | ng | | 99 |
| 50) Dimethylphthalate | 14.08 | 163 | 629830 | 36.435 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 14.19 | 165 | 144959 | 37.491 | ng | | 93 |
| 52) Acenaphthene | 14.69 | 154 | 505037m | 37.167 | ng | | |
| 53) 3-Nitroaniline | 14.52 | 138 | 143661 | 33.877 | ng | # | 97 |
| 54) 2,4-Dinitrophenol | 14.73 | 184 | 80884 | 35.180 | ng | | 97 |
| 55) Dibenzofuran | 15.03 | 168 | 752859 | 38.003 | ng | | 99 |
| 56) 4-Nitrophenol | 14.85 | 139 | 113830 | 34.620 | ng | | 99 |
| 57) 2,4-Dinitrotoluene | 14.99 | 165 | 208107 | 36.830 | ng | # | 95 |
| 58) Fluorene | 15.67 | 166 | 615751 | 38.052 | ng | | 98 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.26 | 232 | 187740 | 38.424 | ng | | 98 |
| 60) Diethylphthalate | 15.45 | 149 | 659882 | 36.614 | ng | | 98 |
| 61) 4-Chlorophenyl-phenylether | 15.67 | 204 | 339753 | 36.478 | ng | | 99 |
| 62) 4-Nitroaniline | 15.69 | 138 | 157635 | 35.839 | ng | | 97 |
| 63) Azobenzene | 15.96 | 77 | 625767 | 37.660 | ng | | 97 |
| 65) 4,6-Dinitro-2-methylphenol | 15.76 | 198 | 133671 | 41.984 | ng | | 99 |
| 66) n-Nitrosodiphenylamine | 15.88 | 169 | 542935 | 39.012 | ng | | 100 |
| 67) 4-Bromophenyl-phenylether | 16.57 | 248 | 225494 | 36.085 | ng | | 98 |
| 68) Hexachlorobenzene | 16.69 | 284 | 249260 | 38.461 | ng | | 97 |
| 69) Atrazine | 16.83 | 200 | 222686 | 43.735 | ng | | 98 |
| 70) Pentachlorophenol | 17.03 | 266 | 146143 | 36.758 | ng | | 99 |
| 71) Phenanthrene | 17.42 | 178 | 966213 | 38.818 | ng | | 99 |
| 72) Anthracene | 17.51 | 178 | 988723 | 39.599 | ng | | 100 |
| 73) Carbazole | 17.78 | 167 | 922821 | 36.420 | ng | | 98 |
| 74) Di-n-butylphthalate | 18.34 | 149 | 1097271 | 38.969 | ng | | 99 |
| 75) Fluoranthene | 19.43 | 202 | 1150266 | 38.413 | ng | | 99 |
| 77) Benzidine | 19.60 | 184 | 549374 | 48.416 | ng | | 96 |
| 78) Pyrene | 19.79 | 202 | 1141053 | 41.854 | ng | | 98 |
| 80) Butylbenzylphthalate | 20.68 | 149 | 472339 | 41.797 | ng | | 96 |
| 81) Benzo(a)anthracene | 21.63 | 228 | 1050172 | 40.973 | ng | | 98 |
| 82) 3,3'-Dichlorobenzidine | 21.54 | 252 | 442439 | 43.369 | ng | | 98 |
| 83) Chrysene | 21.69 | 228 | 1034829 | 42.020 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phthalate | 21.54 | 149 | 648383 | 41.717 | ng | | 99 |
| 85) Di-n-octyl phthalate | 22.74 | 149 | 1091530 | 40.612 | ng | | 99 |
| 86) Indeno(1,2,3-cd)pyrene | 28.42 | 276 | 1330102 | 40.680 | ng | # | 97 |
| 88) Benzo(b)fluoranthene | 23.82 | 252 | 1102434 | 38.007 | ng | | 98 |
| 89) Benzo(k)fluoranthene | 23.88 | 252 | 1110680 | 40.264 | ng | | 98 |
| 90) Benzo(a)pyrene | 24.67 | 252 | 1095247 | 39.993 | ng | # | 97 |
| 91) Dibenzo(a,h)anthracene | 28.49 | 278 | 1128659 | 40.900 | ng | | 99 |
| 92) Benzo(g,h,i)perylene | 29.56 | 276 | 1095923 | 39.612 | ng | | 98 |

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

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