Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG052920\
Data File : BG045535.D
Acq On : 30 May 2020 00:41
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

**Manual Integrations APPROVED**
mohammad
6/1/2020 12:22:47 PM

Quant Time: May 30 06:36:57 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG051520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 29 11:17:45 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.95 | 152 | 64891 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.76 | 136 | 274063 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.60 | 164 | 207783 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.35 | 188 | 488729 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.61 | 240 | 459253 | 20.00 | ng | | 0.00 |
| 87) Perylene-d12 | 24.76 | 264 | 516154 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.55 | 112 | 284929 | 85.81 | ng | | 0.00 |
| 7) Phenol-d6 | 7.16 | 99 | 422235 | 89.34 | ng | | -0.01 |
| 23) Nitrobenzene-d5 | 9.12 | 82 | 426008 | 84.76 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.10 | 330 | 219703 | 82.68 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.22 | 172 | 988211 | 80.67 | ng | | 0.00 |
| 79) Terphenyl-d14 | 19.96 | 244 | 1644398 | 83.51 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.40 | 88 | 65575 | 39.83 | ng | | 98 |
| 3) Pyridine | 3.80 | 79 | 193484 | 42.19 | ng | | 95 |
| 4) n-Nitrosodimethylamine | 3.72 | 42 | 64669 | 43.10 | ng | | 95 |
| 6) Aniline | 7.28 | 93 | 268019 | 43.44 | ng | | 98 |
| 8) 2-Chlorophenol | 7.53 | 128 | 158046 | 43.40 | ng | | 98 |
| 9) Benzaldehyde | 7.08 | 77 | 127589 | 41.44 | ng | | 96 |
| 10) Phenol | 7.18 | 94 | 213978 | 43.93 | ng | | 96 |
| 11) bis(2-Chloroethyl)ether | 7.37 | 93 | 166881 | 43.93 | ng | | 98 |
| 12) 1,3-Dichlorobenzene | 7.84 | 146 | 188420 | 43.06 | ng | | 98 |
| 13) 1,4-Dichlorobenzene | 7.99 | 146 | 189841 | 43.96 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 8.31 | 146 | 181891 | 43.79 | ng | | 96 |
| 15) Benzyl Alcohol | 8.20 | 79 | 176227 | 45.14 | ng | | 98 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.48 | 45 | 157209 | 43.59 | ng | | 97 |
| 17) 2-Methylphenol | 8.42 | 107 | 163327 | 44.80 | ng | | 96 |
| 18) Hexachloroethane | 9.04 | 117 | 73316 | 44.33 | ng | | 97 |
| 19) n-Nitroso-di-n-propylamine | 8.76 | 70 | 148187 | 45.34 | ng | | 98 |
| 20) 3+4-Methylphenols | 8.75 | 107 | 222193 | 44.76 | ng | | 92 |
| 22) Acetophenone | 8.78 | 105 | 271623 | 41.82 | ng | # | 94 |
| 24) Nitrobenzene | 9.16 | 77 | 226504 | 42.07 | ng | | 98 |
| 25) Isophorone | 9.68 | 82 | 421796 | 42.62 | ng | | 99 |
| 26) 2-Nitrophenol | 9.87 | 139 | 100129 | 43.47 | ng | | 94 |
| 27) 2,4-Dimethylphenol | 9.95 | 122 | 148111 | 43.35 | ng | | 96 |
| 28) bis(2-Chloroethoxy)methane | 10.17 | 93 | 223306 | 43.02 | ng | | 97 |
| 29) 2,4-Dichlorophenol | 10.43 | 162 | 176448 | 43.74 | ng | | 94 |
| 30) 1,2,4-Trichlorobenzene | 10.63 | 180 | 207582 | 43.54 | ng | | 97 |
| 31) Naphthalene | 10.81 | 128 | 541495 | 42.40 | ng | | 100 |
| 32) Benzoic acid | 10.13 | 122 | 102681 | 44.99 | ng | | 99 |
| 33) 4-Chloroaniline | 10.93 | 127 | 234037 | 43.84 | ng | | 97 |
| 34) Hexachlorobutadiene | 11.10 | 225 | 143234 | 42.51 | ng | | 95 |
| 35) Caprolactam | 11.69 | 113 | 60674 | 40.97 | ng | | 93 |
| 36) 4-Chloro-3-methylphenol | 12.08 | 107 | 198651 | 43.70 | ng | | 99 |
| 37) 2-Methylnaphthalene | 12.42 | 142 | 412573 | 43.34 | ng | | 99 |
| 38) 1-Methylnaphthalene | 12.64 | 142 | 391606m | 43.55 | ng | | |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.79 | 216 | 235904 | 40.65 | ng | | 99 |

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| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 12.78 | 237 | 111803 | 33.38 | ng | | 99 |
| 43) 2,4,6-Trichlorophenol | 13.04 | 196 | 162953 | 40.42 | ng | | 96 |
| 44) 2,4,5-Trichlorophenol | 13.12 | 196 | 188523 | 40.92 | ng | | 94 |
| 46) 1,1'-Biphenyl | 13.43 | 154 | 515430 | 40.37 | ng | | 99 |
| 47) 2-Chloronaphthalene | 13.48 | 162 | 418836 | 40.40 | ng | | 99 |
| 48) 2-Nitroaniline | 13.68 | 65 | 135631 | 39.77 | ng | | 91 |
| 49) Acenaphthylene | 14.32 | 152 | 677821 | 40.70 | ng | | 99 |
| 50) Dimethylphthalate | 14.06 | 163 | 568770 | 39.90 | ng | | 100 |
| 51) 2,6-Dinitrotoluene | 14.18 | 165 | 128813 | 40.05 | ng | | 94 |
| 52) Acenaphthene | 14.66 | 154 | 457715m | 41.06 | ng | | |
| 53) 3-Nitroaniline | 14.51 | 138 | 133194 | 40.74 | ng | | 99 |
| 54) 2,4-Dinitrophenol | 14.72 | 184 | 73775 | 38.08 | ng | | 98 |
| 55) Dibenzofuran | 15.00 | 168 | 675830 | 40.83 | ng | | 97 |
| 56) 4-Nitrophenol | 14.86 | 139 | 95207 | 38.46 | ng | | 91 |
| 57) 2,4-Dinitrotoluene | 14.96 | 165 | 187614 | 40.28 | ng | | 98 |
| 58) Fluorene | 15.65 | 166 | 565567 | 41.59 | ng | | 97 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.24 | 232 | 166165 | 41.00 | ng | | 97 |
| 60) Diethylphthalate | 15.42 | 149 | 594376 | 40.06 | ng | | 98 |
| 61) 4-Chlorophenyl-phenylether | 15.64 | 204 | 322473 | 41.44 | ng | | 100 |
| 62) 4-Nitroaniline | 15.67 | 138 | 134381 | 39.37 | ng | | 98 |
| 63) Azobenzene | 15.94 | 77 | 560564 | 40.52 | ng | | 97 |
| 65) 4,6-Dinitro-2-methylphenol | 15.73 | 198 | 115950 | 40.74 | ng | | 96 |
| 66) n-Nitrosodiphenylamine | 15.86 | 169 | 490925 | 41.84 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 16.54 | 248 | 231786 | 43.80 | ng | | 96 |
| 68) Hexachlorobenzene | 16.66 | 284 | 233799 | 42.24 | ng | | 95 |
| 69) Atrazine | 16.81 | 200 | 189395 | 39.19 | ng | | 98 |
| 70) Pentachlorophenol | 17.01 | 266 | 117574 | 40.91 | ng | | 99 |
| 71) Phenanthrene | 17.39 | 178 | 895890 | 41.99 | ng | | 99 |
| 72) Anthracene | 17.48 | 178 | 892038 | 41.63 | ng | | 97 |
| 73) Carbazole | 17.75 | 167 | 852636 | 40.82 | ng | | 99 |
| 74) Di-n-butylphthalate | 18.31 | 149 | 1007493 | 40.19 | ng | | 98 |
| 75) Fluoranthene | 19.40 | 202 | 1101980 | 40.61 | ng | | 100 |
| 77) Benzidine | 19.58 | 184 | 500426 | 38.80 | ng | | 100 |
| 78) Pyrene | 19.76 | 202 | 1094774 | 41.82 | ng | | 99 |
| 80) Butylbenzylphthalate | 20.65 | 149 | 457009 | 40.44 | ng | | 98 |
| 81) Benzo(a)anthracene | 21.59 | 228 | 1073555 | 41.96 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 21.51 | 252 | 414436 | 41.30 | ng | | 99 |
| 83) Chrysene | 21.65 | 228 | 1036429 | 42.13 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phthalate | 21.50 | 149 | 646288 | 41.61 | ng | | 99 |
| 85) Di-n-octyl phthalate | 22.69 | 149 | 1110226 | 41.62 | ng | | 100 |
| 86) Indeno(1,2,3-cd)pyrene | 28.34 | 276 | 1359791 | 42.27 | ng | # | 97 |
| 88) Benzo(b)fluoranthene | 23.76 | 252 | 1142399 | 41.27 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 23.83 | 252 | 1116813 | 42.94 | ng | | 99 |
| 90) Benzo(a)pyrene | 24.61 | 252 | 1089758 | 42.27 | ng | | 97 |
| 91) Dibenzo(a,h)anthracene | 28.39 | 278 | 1082400 | 41.78 | ng | | 100 |
| 92) Benzo(g,h,i)perylene | 29.45 | 276 | 1076986 | 41.57 | ng | | 99 |

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

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