Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG121418\
Data File : BG038588.D
Acq On : 15 Dec 2018 4:20
Operator : JU/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

**Manual Integrations APPROVED**
Sohil
12/17/2018 4:11:57 PM

Quant Time: Dec 15 05:50:19 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG121218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 12 15:26:27 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.06 | 152 | 30539 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.88 | 136 | 128344 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.70 | 164 | 81925 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.45 | 188 | 197187 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.72 | 240 | 193943 | 20.00 | ng | | 0.00 |
| 87) Perylene-d12 | 25.02 | 264 | 208612 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.61 | 112 | 142635 | 82.84 | ng | | 0.00 |
| 7) Phenol-d6 | 7.21 | 99 | 196749 | 83.24 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.24 | 82 | 206307 | 82.12 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.19 | 330 | 90893 | 80.50 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.32 | 172 | 471504 | 78.95 | ng | | 0.00 |
| 79) Terphenyl-d14 | 20.04 | 244 | 718233 | 80.60 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.49 | 88 | 31048 | 38.745 | ng | | 96 |
| 3) Pyridine | 3.90 | 79 | 86234 | 39.085 | ng | # | 89 |
| 4) n-Nitrosodimethylamine | 3.82 | 42 | 46598 | 43.104 | ng | # | 85 |
| 6) Aniline | 7.39 | 93 | 124225 | 41.169 | ng | | 98 |
| 8) 2-Chlorophenol | 7.62 | 128 | 81899 | 41.103 | ng | | 97 |
| 9) Benzaldehyde | 7.20 | 77 | 59875 | 39.048 | ng | | 96 |
| 10) Phenol | 7.24 | 94 | 103305 | 41.138 | ng | | 97 |
| 11) bis(2-Chloroethyl)ether | 7.48 | 93 | 81976 | 41.002 | ng | | 95 |
| 12) 1,3-Dichlorobenzene | 7.95 | 146 | 96045 | 40.767 | ng | | 100 |
| 13) 1,4-Dichlorobenzene | 8.09 | 146 | 95909 | 39.749 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 8.41 | 146 | 90775 | 39.906 | ng | | 99 |
| 15) Benzyl Alcohol | 8.30 | 79 | 79327 | 42.996 | ng | | 99 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.58 | 45 | 184466 | 40.277 | ng | | 99 |
| 17) 2-Methylphenol | 8.50 | 107 | 70825 | 42.096 | ng | | 96 |
| 18) Hexachloroethane | 9.14 | 117 | 35825 | 40.632 | ng | | 92 |
| 19) n-Nitroso-di-n-propylamine | 8.86 | 70 | 68122 | 41.034 | ng | # | 98 |
| 20) 3+4-Methylphenols | 8.83 | 107 | 100142 | 43.098 | ng | | 96 |
| 22) Acetophenone | 8.89 | 105 | 125934 | 39.284 | ng | | 98 |
| 24) Nitrobenzene | 9.28 | 77 | 102664 | 40.395 | ng | | 97 |
| 25) Isophorone | 9.79 | 82 | 171683 | 38.035 | ng | # | 98 |
| 26) 2-Nitrophenol | 9.99 | 139 | 53055 | 40.787 | ng | | 96 |
| 27) 2,4-Dimethylphenol | 10.03 | 122 | 77129 | 41.373 | ng | | 97 |
| 28) bis(2-Chloroethoxy)methane | 10.27 | 93 | 103131 | 40.487 | ng | | 96 |
| 29) 2,4-Dichlorophenol | 10.52 | 162 | 88609 | 42.725 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 10.74 | 180 | 102377 | 40.867 | ng | | 98 |
| 31) Naphthalene | 10.93 | 128 | 249793 | 39.502 | ng | | 99 |
| 32) Benzoic acid | 10.19 | 122 | 41209m | 37.596 | ng | | |
| 33) 4-Chloroaniline | 11.04 | 127 | 112652 | 41.033 | ng | | 98 |
| 34) Hexachlorobutadiene | 11.19 | 225 | 69276 | 40.869 | ng | | 98 |
| 35) Caprolactam | 11.84 | 113 | 32105 | 37.406 | ng | | 96 |
| 36) 4-Chloro-3-methylphenol | 12.15 | 107 | 93607 | 39.552 | ng | | 96 |
| 37) 2-Methylnaphthalene | 12.53 | 142 | 183264 | 40.623 | ng | | 96 |
| 38) 1-Methylnaphthalene | 12.75 | 142 | 174144 | 39.780 | ng | | 99 |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.89 | 216 | 124267 | 40.579 | ng | | 99 |

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|---|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 12.85 | 237 | 65316 | 38.822 | ng | | 96 |
| 43) 2,4,6-Trichlorophenol | 13.13 | 196 | 77949 | 41.398 | ng | | 97 |
| 44) 2,4,5-Trichlorophenol | 13.21 | 196 | 81081 | 40.671 | ng | | 97 |
| 46) 1,1'-Biphenyl | 13.53 | 154 | 274433 | 39.958 | ng | | 99 |
| 47) 2-Chloronaphthalene | 13.58 | 162 | 210822 | 39.739 | ng | | 96 |
| 48) 2-Nitroaniline | 13.79 | 65 | 71335 | 42.215 | ng | | 99 |
| 49) Acenaphthylene | 14.42 | 152 | 315528 | 39.784 | ng | | 98 |
| 50) Dimethylphthalate | 14.15 | 163 | 267470 | 39.979 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 14.28 | 165 | 61204 | 40.369 | ng | | 96 |
| 52) Acenaphthene | 14.76 | 154 | 185699 | 39.157 | ng | | 96 |
| 53) 3-Nitroaniline | 14.62 | 138 | 63648 | 41.182 | ng | | 99 |
| 54) 2,4-Dinitrophenol | 14.82 | 184 | 28457 | 34.683 | ng | | 93 |
| 55) Dibenzofuran | 15.09 | 168 | 321523 | 39.551 | ng | | 99 |
| 56) 4-Nitrophenol | 14.92 | 139 | 46478 | 39.641 | ng | | 97 |
| 57) 2,4-Dinitrotoluene | 15.06 | 165 | 85186 | 39.892 | ng | | 100 |
| 58) Fluorene | 15.74 | 166 | 236820 | 39.320 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.32 | 232 | 71465 | 39.844 | ng | | 99 |
| 60) Diethylphthalate | 15.50 | 149 | 283240 | 38.565 | ng | | 99 |
| 61) 4-Chlorophenyl-phenylether | 15.73 | 204 | 150140 | 39.954 | ng | | 98 |
| 62) 4-Nitroaniline | 15.78 | 138 | 65180 | 40.965 | ng | | 98 |
| 63) Azobenzene | 16.02 | 77 | 240726 | 39.235 | ng | | 98 |
| 65) 4,6-Dinitro-2-methylphenol | 15.83 | 198 | 56171 | 39.933 | ng | | 96 |
| 66) n-Nitrosodiphenylamine | 15.95 | 169 | 233514 | 40.304 | ng | | 98 |
| 67) 4-Bromophenyl-phenylether | 16.62 | 248 | 97414 | 40.451 | ng | | 98 |
| 68) Hexachlorobenzene | 16.74 | 284 | 100727 | 40.349 | ng | | 97 |
| 69) Atrazine | 16.89 | 200 | 88100 | 40.974 | ng | | 98 |
| 70) Pentachlorophenol | 17.09 | 266 | 60354 | 40.874 | ng | | 95 |
| 71) Phenanthrene | 17.49 | 178 | 406190 | 39.724 | ng | | 99 |
| 72) Anthracene | 17.58 | 178 | 406670 | 40.286 | ng | | 100 |
| 73) Carbazole | 17.85 | 167 | 402503 | 40.317 | ng | | 97 |
| 74) Di-n-butylphthalate | 18.38 | 149 | 464198 | 40.522 | ng | | 100 |
| 75) Fluoranthene | 19.49 | 202 | 500499 | 39.560 | ng | | 97 |
| 77) Benzidine | 19.67 | 184 | 253789 | 44.247 | ng | | 98 |
| 78) Pyrene | 19.86 | 202 | 502322 | 39.206 | ng | | 100 |
| 80) Butylbenzylphthalate | 20.73 | 149 | 207074 | 41.368 | ng | | 98 |
| 81) Benzo(a)anthracene | 21.70 | 228 | 480402 | 40.650 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 21.62 | 252 | 195192 | 41.645 | ng | | 98 |
| 83) Chrysene | 21.77 | 228 | 454978 | 39.970 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phthalate | 21.57 | 149 | 295061 | 41.561 | ng | | 99 |
| 85) Di-n-octyl phthalate | 22.80 | 149 | 490743 | 41.275 | ng | | 99 |
| 86) Indeno(1,2,3-cd)pyrene | 28.80 | 276 | 542696 | 40.553 | ng | # | 86 |
| 88) Benzo(b)fluoranthene | 23.96 | 252 | 470450 | 41.074 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 24.03 | 252 | 463977 | 40.680 | ng | | 98 |
| 90) Benzo(a)pyrene | 24.86 | 252 | 458520 | 41.496 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 28.86 | 278 | 455371 | 41.390 | ng | | 99 |
| 92) Benzo(g,h,i)perylene | 30.00 | 276 | 442609 | 40.822 | ng | | 98 |

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

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