Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG111618\
Data File : BG038048.D
Acq On : 17 Nov 2018 00:31
Operator : JU/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

**Manual Integrations APPROVED**
Sohil
11/19/2018 2:13:49 PM

Quant Time: Nov 17 03:36:31 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG111318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 13 16:39:28 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.09 | 152 | 50218 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.91 | 136 | 217731 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.72 | 164 | 132497 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.47 | 188 | 299324 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.75 | 240 | 272124 | 20.00 | ng | | 0.00 |
| 87) Perylene-d12 | 25.07 | 264 | 289394 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.63 | 112 | 246714 | 84.82 | ng | | 0.00 |
| 7) Phenol-d6 | 7.23 | 99 | 348584 | 83.96 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.27 | 82 | 343678 | 84.50 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.21 | 330 | 119900 | 79.35 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.34 | 172 | 744097 | 81.82 | ng | | 0.00 |
| 79) Terphenyl-d14 | 20.07 | 244 | 963807 | 83.34 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.52 | 88 | 56720 | 41.286 | ng | | 97 |
| 3) Pyridine | 3.93 | 79 | 160981 | 41.078 | ng | | 95 |
| 4) n-Nitrosodimethylamine | 3.84 | 42 | 64312 | 45.234 | ng | # | 92 |
| 6) Aniline | 7.42 | 93 | 219747 | 41.009 | ng | | 97 |
| 8) 2-Chlorophenol | 7.65 | 128 | 140834 | 41.730 | ng | | 99 |
| 9) Benzaldehyde | 7.23 | 77 | 122395 | 40.765 | ng | | 99 |
| 10) Phenol | 7.26 | 94 | 185743 | 42.237 | ng | | 98 |
| 11) bis(2-Chloroethyl)ether | 7.50 | 93 | 150875 | 42.024 | ng | | 97 |
| 12) 1,3-Dichlorobenzene | 7.97 | 146 | 161768 | 41.608 | ng | | 98 |
| 13) 1,4-Dichlorobenzene | 8.12 | 146 | 161623 | 41.152 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 8.44 | 146 | 154576 | 41.224 | ng | | 99 |
| 15) Benzyl Alcohol | 8.33 | 79 | 132274 | 44.030 | ng | | 98 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.60 | 45 | 288320 | 43.249 | ng | | 96 |
| 17) 2-Methylphenol | 8.52 | 107 | 124993 | 42.040 | ng | | 98 |
| 18) Hexachloroethane | 9.17 | 117 | 60593 | 42.392 | ng | | 95 |
| 19) n-Nitroso-di-n-propylamine | 8.89 | 70 | 121130 | 40.321 | ng | | 98 |
| 20) 3+4-Methylphenols | 8.85 | 107 | 175593 | 41.661 | ng | | 99 |
| 22) Acetophenone | 8.91 | 105 | 222779 | 41.124 | ng | | 100 |
| 24) Nitrobenzene | 9.31 | 77 | 178866 | 42.988 | ng | | 96 |
| 25) Isophorone | 9.82 | 82 | 299685 | 40.935 | ng | | 96 |
| 26) 2-Nitrophenol | 10.01 | 139 | 86511 | 41.648 | ng | | 93 |
| 27) 2,4-Dimethylphenol | 10.06 | 122 | 131707 | 42.083 | ng | | 96 |
| 28) bis(2-Chloroethoxy)methane | 10.30 | 93 | 196409 | 41.955 | ng | | 97 |
| 29) 2,4-Dichlorophenol | 10.55 | 162 | 147526 | 41.907 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 10.76 | 180 | 162615 | 41.223 | ng | | 97 |
| 31) Naphthalene | 10.96 | 128 | 442532 | 41.323 | ng | | 99 |
| 32) Benzoic acid | 10.19 | 122 | 88136m | 44.832 | ng | | |
| 33) 4-Chloroaniline | 11.07 | 127 | 200383 | 40.226 | ng | | 97 |
| 34) Hexachlorobutadiene | 11.22 | 225 | 99782 | 41.099 | ng | | 96 |
| 35) Caprolactam | 11.86 | 113 | 55387 | 39.308 | ng | | 93 |
| 36) 4-Chloro-3-methylphenol | 12.18 | 107 | 159838 | 41.560 | ng | | 97 |
| 37) 2-Methylnaphthalene | 12.56 | 142 | 311084 | 40.440 | ng | | 100 |
| 38) 1-Methylnaphthalene | 12.77 | 142 | 299908 | 40.504 | ng | | 99 |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.92 | 216 | 186190 | 42.053 | ng | | 98 |

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|---|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 12.88 | 237 | 97287 | 41.036 | ng | | 100 |
| 43) 2,4,6-Trichlorophenol | 13.16 | 196 | 122932 | 40.746 | ng | | 98 |
| 44) 2,4,5-Trichlorophenol | 13.23 | 196 | 127106 | 40.040 | ng | | 96 |
| 46) 1,1'-Biphenyl | 13.56 | 154 | 456402 | 41.002 | ng | | 100 |
| 47) 2-Chloronaphthalene | 13.60 | 162 | 346785 | 40.827 | ng | | 99 |
| 48) 2-Nitroaniline | 13.81 | 65 | 116755 | 43.674 | ng | | 91 |
| 49) Acenaphthylene | 14.45 | 152 | 528217 | 41.353 | ng | | 100 |
| 50) Dimethylphthalate | 14.17 | 163 | 421778 | 40.154 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 14.30 | 165 | 98381 | 41.383 | ng | | 98 |
| 52) Acenaphthene | 14.78 | 154 | 319370 | 41.532 | ng | | 98 |
| 53) 3-Nitroaniline | 14.64 | 138 | 108327 | 41.294 | ng | # | 95 |
| 54) 2,4-Dinitrophenol | 14.84 | 184 | 54668 | 46.947 | ng | # | 86 |
| 55) Dibenzofuran | 15.12 | 168 | 517421 | 40.693 | ng | | 99 |
| 56) 4-Nitrophenol | 14.93 | 139 | 79045 | 39.069 | ng | | 99 |
| 57) 2,4-Dinitrotoluene | 15.08 | 165 | 136404 | 42.170 | ng | | 99 |
| 58) Fluorene | 15.77 | 166 | 386501 | 40.739 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.34 | 232 | 108468 | 40.834 | ng | | 98 |
| 60) Diethylphthalate | 15.52 | 149 | 446531 | 40.023 | ng | | 99 |
| 61) 4-Chlorophenyl-phenylether | 15.75 | 204 | 222561 | 40.092 | ng | | 98 |
| 62) 4-Nitroaniline | 15.80 | 138 | 109287 | 41.937 | ng | | 95 |
| 63) Azobenzene | 16.05 | 77 | 415077 | 41.610 | ng | | 98 |
| 65) 4,6-Dinitro-2-methylphenol | 15.84 | 198 | 73113 | 38.618 | ng | | 96 |
| 66) n-Nitrosodiphenylamine | 15.97 | 169 | 375188 | 41.433 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 16.65 | 248 | 135850 | 41.350 | ng | | 98 |
| 68) Hexachlorobenzene | 16.76 | 284 | 136900 | 40.370 | ng | | 99 |
| 69) Atrazine | 16.91 | 200 | 142588 | 42.715 | ng | | 97 |
| 70) Pentachlorophenol | 17.11 | 266 | 93907 | 40.774 | ng | | 92 |
| 71) Phenanthrene | 17.52 | 178 | 626504 | 40.881 | ng | | 99 |
| 72) Anthracene | 17.60 | 178 | 628156 | 41.582 | ng | | 99 |
| 73) Carbazole | 17.87 | 167 | 628745 | 41.484 | ng | | 99 |
| 74) Di-n-butylphthalate | 18.41 | 149 | 715312 | 42.044 | ng | | 99 |
| 75) Fluoranthene | 19.52 | 202 | 723215 | 41.363 | ng | | 99 |
| 77) Benzidine | 19.70 | 184 | 396717 | 41.547 | ng | | 100 |
| 78) Pyrene | 19.88 | 202 | 737586 | 41.457 | ng | | 99 |
| 80) Butylbenzylphthalate | 20.75 | 149 | 328331 | 42.199 | ng | | 99 |
| 81) Benzo(a)anthracene | 21.73 | 228 | 682450 | 41.500 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 21.65 | 252 | 266827 | 41.654 | ng | | 99 |
| 83) Chrysene | 21.80 | 228 | 654591 | 41.604 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phthalate | 21.61 | 149 | 466399 | 42.034 | ng | | 98 |
| 85) Di-n-octyl phthalate | 22.84 | 149 | 772277 | 43.022 | ng | | 100 |
| 86) Indeno(1,2,3-cd)pyrene | 28.88 | 276 | 744656 | 42.613 | ng | # | 90 |
| 88) Benzo(b)fluoranthene | 24.01 | 252 | 662852 | 41.622 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 24.08 | 252 | 667800 | 42.496 | ng | | 99 |
| 90) Benzo(a)pyrene | 24.92 | 252 | 646740 | 42.494 | ng | | 100 |
| 91) Dibenzo(a,h)anthracene | 28.95 | 278 | 617519 | 42.169 | ng | | 95 |
| 92) Benzo(g,h,i)perylene | 30.08 | 276 | 612080 | 42.036 | ng | | 98 |

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

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