Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF073118\
Data File : BF107876.D
Acq On : 1 Aug 2018 3:41
Operator : JU/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

**Manual Integrations APPROVED**
Sohil
8/13/2018 12:44:30 PM

Quant Time: Aug 13 12:27:14 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 30 17:48:53 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.97 | 152 | 134379 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.25 | 136 | 518170 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 10.01 | 164 | 197062 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 11.50 | 188 | 375276 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 14.15 | 240 | 343789 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 15.69 | 264 | 255927 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.60 | 112 | 568829 | 71.94 | ng | | 0.00 |
| 7) Phenol-d6 | 6.61 | 99 | 768692 | 73.77 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.53 | 82 | 730696 | 81.24 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.80 | 330 | 175274 | 65.46 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 9.32 | 172 | 1282307 | 90.68 | ng | | 0.00 |
| 78) Terphenyl-d14 | 13.08 | 244 | 1228420 | 77.48 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.79 | 88 | 143933 | 39.910 | ng | # | 84 |
| 3) Pyridine | 3.60 | 79 | 322972 | 36.517 | ng | # | 84 |
| 4) n-Nitrosodimethylamine | 3.57 | 42 | 66821 | 16.610 | ng | | 93 |
| 6) Aniline | 6.64 | 93 | 427793 | 39.469 | ng | # | 73 |
| 8) 2-Chlorophenol | 6.75 | 128 | 369218 | 37.175 | ng | | 95 |
| 9) Benzaldehyde | 6.52 | 77 | 196133 | 31.196 | ng | | 96 |
| 10) Phenol | 6.62 | 94 | 395817 | 31.852 | ng | | 93 |
| 11) bis(2-Chloroethyl)ether | 6.70 | 93 | 431723 | 39.070 | ng | | 94 |
| 12) 1,3-Dichlorobenzene | 6.91 | 146 | 395003 | 37.920 | ng | | 97 |
| 13) 1,4-Dichlorobenzene | 6.98 | 146 | 446202 | 38.480 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 7.14 | 146 | 395837 | 36.774 | ng | | 99 |
| 15) Benzyl Alcohol | 7.11 | 79 | 232753 | 35.936 | ng | | 98 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.23 | 45 | 588859 | 37.065 | ng | | 74 |
| 17) 2-Methylphenol | 7.22 | 107 | 275442 | 37.568 | ng | # | 78 |
| 18) Hexachloroethane | 7.47 | 117 | 118353 | 28.396 | ng | | 96 |
| 19) n-Nitroso-di-n-propylamine | 7.37 | 70 | 248538 | 37.598 | ng | | 100 |
| 20) 3+4-Methylphenols | 7.38 | 107 | 328214 | 36.462 | ng | # | 58 |
| 22) Acetophenone | 7.38 | 105 | 491394 | 39.417 | ng | # | 91 |
| 24) Nitrobenzene | 7.55 | 77 | 374751 | 39.735 | ng | | 99 |
| 25) Isophorone | 7.78 | 82 | 597040 | 40.438 | ng | | 99 |
| 26) 2-Nitrophenol | 7.87 | 139 | 158226 | 33.429 | ng | | 98 |
| 27) 2,4-Dimethylphenol | 7.90 | 122 | 234851 | 37.060 | ng | | 100 |
| 28) bis(2-Chloroethoxy)methane | 7.99 | 93 | 395827 | 40.682 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 8.11 | 162 | 274146 | 38.246 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 8.18 | 180 | 312956 | 38.271 | ng | | 98 |
| 31) Naphthalene | 8.27 | 128 | 955975 | 39.689 | ng | | 99 |
| 32) Benzoic acid | 8.01 | 122 | 97697m | 23.577 | ng | | |
| 33) 4-Chloroaniline | 8.32 | 127 | 364813 | 35.459 | ng | | 99 |
| 34) Hexachlorobutadiene | 8.37 | 225 | 192970 | 38.187 | ng | | 98 |
| 35) Caprolactam | 8.68 | 113 | 74629 | 34.585 | ng | # | 79 |
| 36) 4-Chloro-3-methylphenol | 8.81 | 107 | 269214 | 34.582 | ng | | 97 |
| 37) 2-Methylnaphthalene | 8.96 | 142 | 558920 | 36.941 | ng | | 98 |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.12 | 216 | 286084 | 42.579 | ng | # | 97 |
| 40) Hexachlorocyclopentadiene | 9.10 | 237 | 1461 | 7.873 | ng | | 84 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 9.24 | 196 | 151315 | 40.738 | ng | | 100 |
| 43) 2,4,5-Trichlorophenol | 9.30 | 196 | 161614 | 36.142 | ng | | 95 |
| 45) 1,1'-Biphenyl | 9.42 | 154 | 768559 | 42.855 | ng | | 99 |
| 46) 2-Chloronaphthalene | 9.45 | 162 | 547088 | 40.454 | ng | | 96 |
| 47) 2-Nitroaniline | 9.56 | 65 | 180670 | 41.071 | ng | | 95 |
| 48) Acenaphthylene | 9.87 | 152 | 797861 | 38.055 | ng | | 100 |
| 49) Dimethylphthalate | 9.71 | 163 | 610509 | 41.252 | ng | | 99 |
| 50) 2,6-Dinitrotoluene | 9.79 | 165 | 113474 | 35.282 | ng | # | 91 |
| 51) Acenaphthene | 10.04 | 154 | 470843 | 38.660 | ng | | 99 |
| 52) 3-Nitroaniline | 9.98 | 138 | 160654 | 39.640 | ng | | 96 |
| 54) Dibenzofuran | 10.21 | 168 | 697217 | 37.038 | ng | | 100 |
| 55) 4-Nitrophenol | 10.18 | 139 | 27208m | 21.916 | ng | | |
| 56) 2,4-Dinitrotoluene | 10.20 | 165 | 131183 | 31.033 | ng | # | 91 |
| 57) Fluorene | 10.55 | 166 | 519302 | 35.497 | ng | | 93 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.34 | 232 | 141468 | 34.444 | ng | # | 77 |
| 59) Diethylphthalate | 10.41 | 149 | 601543 | 37.804 | ng | | 98 |
| 60) 4-Chlorophenyl-phenylether | 10.54 | 204 | 285162 | 35.781 | ng | | 91 |
| 61) 4-Nitroaniline | 10.60 | 138 | 153927 | 42.798 | ng | | 91 |
| 62) Azobenzene | 10.70 | 77 | 523358 | 35.316 | ng | | 95 |
| 64) 4,6-Dinitro-2-methylphenol | 10.62 | 198 | 2361 | 1.156 | ng | # | 1 |
| 65) n-Nitrosodiphenylamine | 10.67 | 169 | 485441 | 39.285 | ng | | 100 |
| 66) 4-Bromophenyl-phenylether | 11.04 | 248 | 163912 | 37.474 | ng | # | 85 |
| 67) Hexachlorobenzene | 11.11 | 284 | 180923 | 37.301 | ng | # | 81 |
| 68) Atrazine | 11.18 | 200 | 133225 | 36.428 | ng | | 98 |
| 69) Pentachlorophenol | 11.31 | 266 | 82865 | 34.705 | ng | | 94 |
| 70) Phenanthrene | 11.52 | 178 | 688425 | 38.634 | ng | | 98 |
| 71) Anthracene | 11.58 | 178 | 825332 | 40.156 | ng | | 99 |
| 72) Carbazole | 11.74 | 167 | 823103 | 40.525 | ng | | 98 |
| 73) Di-n-butylphthalate | 12.04 | 149 | 892867 | 40.294 | ng | | 99 |
| 74) Fluoranthene | 12.72 | 202 | 890081 | 42.518 | ng | | 97 |
| 76) Benzidine | 12.85 | 184 | 507213 | 45.631 | ng | | 97 |
| 77) Pyrene | 12.95 | 202 | 911257 | 36.810 | ng | | 97 |
| 79) Butylbenzylphthalate | 13.55 | 149 | 419178 | 38.667 | ng | | 92 |
| 80) Benzo(a)anthracene | 14.14 | 228 | 726744 | 37.318 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 14.10 | 252 | 323369 | 42.835 | ng | | 99 |
| 82) Chrysene | 14.18 | 228 | 790364 | 37.627 | ng | | 98 |
| 83) Bis(2-ethylhexyl)phthalate | 14.10 | 149 | 557708 | 40.922 | ng | | 99 |
| 84) Di-n-octyl phthalate | 14.72 | 149 | 970367 | 44.359 | ng | | 97 |
| 85) Indeno(1,2,3-cd)pyrene | 17.28 | 276 | 524225 | 32.811 | ng | # | 93 |
| 87) Benzo(b)fluoranthene | 15.23 | 252 | 471746 | 37.374 | ng | | 98 |
| 88) Benzo(k)fluoranthene | 15.26 | 252 | 648352m | 41.837 | ng | | |
| 89) Benzo(a)pyrene | 15.62 | 252 | 477255 | 36.626 | ng | | 99 |
| 90) Dibenzo(a,h)anthracene | 17.29 | 278 | 439813 | 38.694 | ng | | 94 |
| 91) Benzo(g,h,i)perylene | 17.76 | 276 | 416621 | 37.881 | ng | # | 94 |

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

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