Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073018\
Data File : BF107793.D
Acq On : 30 Jul 2018 11:43
Operator : JU/SJ
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC010

**Manual Integrations APPROVED**
Sohil
7/31/2018 2:42:10 PM

Quant Time: Jul 30 17:46:37 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 13:05:29 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.97 | 152 | 161001 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.24 | 136 | 738142 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 10.00 | 164 | 349273 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 11.50 | 188 | 753225 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 14.15 | 240 | 664483 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 15.68 | 264 | 616774 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.61 | 112 | 189659m | 18.94 | ng | | 0.01 |
| 7) Phenol-d6 | 6.60 | 99 | 264962 | 22.04 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.53 | 82 | 279276 | 25.53 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.80 | 330 | 109498 | 27.57 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 9.31 | 172 | 541384 | 23.57 | ng | | 0.00 |
| 78) Terphenyl-d14 | 13.08 | 244 | 713582 | 27.49 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.83 | 88 | 37166m | 7.974 | ng | | |
| 3) Pyridine | 3.67 | 79 | 71838m | 5.666 | ng | | |
| 4) n-Nitrosodimethylamine | 3.78 | 42 | 48176m | 9.009 | ng | | |
| 6) Aniline | 6.65 | 93 | 118279 | 7.627 | ng | # | 71 |
| 8) 2-Chlorophenol | 6.75 | 128 | 129413 | 12.063 | ng | | 94 |
| 9) Benzaldehyde | 6.54 | 77 | 92162m | 11.720 | ng | | |
| 10) Phenol | 6.62 | 94 | 170616 | 12.065 | ng | | 76 |
| 11) bis(2-Chloroethyl)ether | 6.70 | 93 | 157092 | 13.400 | ng | | 93 |
| 12) 1,3-Dichlorobenzene | 6.90 | 146 | 136190 | 11.197 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 6.98 | 146 | 162921 | 13.068 | ng | | 97 |
| 14) 1,2-Dichlorobenzene | 7.13 | 146 | 152327 | 13.615 | ng | | 98 |
| 15) Benzyl Alcohol | 7.12 | 79 | 77411m | 9.447 | ng | | |
| 16) 2,2'-oxybis(1-Chloropropan | 7.22 | 45 | 234510 | 11.857 | ng | | 75 |
| 17) 2-Methylphenol | 7.22 | 107 | 88575 | 9.714 | ng | # | 66 |
| 18) Hexachloroethane | 7.47 | 117 | 59004 | 13.494 | ng | | 98 |
| 19) n-Nitroso-di-n-propylamine | 7.36 | 70 | 95421 | 12.284 | ng | | 98 |
| 20) 3+4-Methylphenols | 7.38 | 107 | 104570 | 9.658 | ng | # | 65 |
| 22) Acetophenone | 7.37 | 105 | 198612 | 11.457 | ng | | 94 |
| 24) Nitrobenzene | 7.55 | 77 | 143728 | 11.473 | ng | | 99 |
| 25) Isophorone | 7.77 | 82 | 248578 | 10.644 | ng | | 99 |
| 26) 2-Nitrophenol | 7.87 | 139 | 70174 | 13.265 | ng | | 95 |
| 27) 2,4-Dimethylphenol | 7.90 | 122 | 88713 | 8.859 | ng | | 98 |
| 28) bis(2-Chloroethoxy)methane | 7.99 | 93 | 145089 | 9.297 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 8.12 | 162 | 104591 | 10.219 | ng | | 97 |
| 30) 1,2,4-Trichlorobenzene | 8.18 | 180 | 131336 | 11.425 | ng | | 98 |
| 31) Naphthalene | 8.27 | 128 | 409459 | 12.615 | ng | | 98 |
| 32) Benzoic acid | 8.04 | 122 | 37193m | 6.063 | ng | | |
| 33) 4-Chloroaniline | 8.34 | 127 | 146361 | 10.316 | ng | | 98 |
| 34) Hexachlorobutadiene | 8.37 | 225 | 85183 | 12.470 | ng | | 99 |
| 35) Caprolactam | 8.67 | 113 | 28619 | 8.597 | ng | # | 70 |
| 36) 4-Chloro-3-methylphenol | 8.81 | 107 | 94528 | 8.314 | ng | | 97 |
| 37) 2-Methylnaphthalene | 8.95 | 142 | 201311 | 8.950 | ng | | 99 |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.12 | 216 | 107226 | 9.204 | ng | | 94 |
| 40) Hexachlorocyclopentadiene | 9.10 | 237 | 23966 | 4.047 | ng | | 97 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 9.24 | 196 | 57803 | 7.752 | ng | | 98 |
| 43) 2,4,5-Trichlorophenol | 9.29 | 196 | 76704 | 9.842 | ng | | 96 |
| 45) 1,1'-Biphenyl | 9.42 | 154 | 320236 | 10.525 | ng | | 96 |
| 46) 2-Chloronaphthalene | 9.45 | 162 | 236959 | 10.189 | ng | | 99 |
| 47) 2-Nitroaniline | 9.57 | 65 | 71501 | 10.546 | ng | | 88 |
| 48) Acenaphthylene | 9.87 | 152 | 448826 | 12.847 | ng | | 99 |
| 49) Dimethylphthalate | 9.71 | 163 | 268021 | 10.182 | ng | | 99 |
| 50) 2,6-Dinitrotoluene | 9.78 | 165 | 60752 | 11.624 | ng | # | 87 |
| 51) Acenaphthene | 10.04 | 154 | 261975 | 11.968 | ng | | 98 |
| 52) 3-Nitroaniline | 9.98 | 138 | 78152 | 12.292 | ng | | 100 |
| 53) 2,4-Dinitrophenol | 10.12 | 184 | 15174 | 9.005 | ng | # | 52 |
| 54) Dibenzofuran | 10.21 | 168 | 396966 | 12.318 | ng | | 99 |
| 55) 4-Nitrophenol | 10.20 | 139 | 10969m | 2.304 | ng | | |
| 56) 2,4-Dinitrotoluene | 10.20 | 165 | 86877 | 13.771 | ng | # | 86 |
| 57) Fluorene | 10.55 | 166 | 309702 | 13.471 | ng | | 97 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.33 | 232 | 80907 | 12.474 | ng | # | 84 |
| 59) Diethylphthalate | 10.41 | 149 | 336200 | 12.229 | ng | | 98 |
| 60) 4-Chlorophenyl-phenylether | 10.54 | 204 | 169803 | 13.065 | ng | | 89 |
| 61) 4-Nitroaniline | 10.60 | 138 | 69331 | 12.979 | ng | | 95 |
| 62) Azobenzene | 10.70 | 77 | 302075 | 11.718 | ng | | 93 |
| 64) 4,6-Dinitro-2-methylphenol | 10.61 | 198 | 35524 | 11.267 | ng | | 87 |
| 65) n-Nitrosodiphenylamine | 10.66 | 169 | 294640 | 11.518 | ng | | 97 |
| 66) 4-Bromophenyl-phenylether | 11.04 | 248 | 104054 | 11.735 | ng | # | 85 |
| 67) Hexachlorobenzene | 11.10 | 284 | 113530 | 11.637 | ng | # | 84 |
| 68) Atrazine | 11.18 | 200 | 88434 | 11.322 | ng | | 94 |
| 69) Pentachlorophenol | 11.31 | 266 | 36821 | 6.042 | ng | | 96 |
| 70) Phenanthrene | 11.52 | 178 | 420993 | 11.470 | ng | | 98 |
| 71) Anthracene | 11.58 | 178 | 499389 | 13.513 | ng | | 97 |
| 72) Carbazole | 11.74 | 167 | 484703 | 12.613 | ng | | 98 |
| 73) Di-n-butylphthalate | 12.04 | 149 | 549184 | 12.623 | ng | | 98 |
| 74) Fluoranthene | 12.71 | 202 | 506730 | 12.865 | ng | | 96 |
| 76) Benzidine | 12.85 | 184 | 250461 | 13.089 | ng | | 97 |
| 77) Pyrene | 12.95 | 202 | 519879 | 11.438 | ng | | 97 |
| 79) Butylbenzylphthalate | 13.55 | 149 | 224863 | 11.504 | ng | | 89 |
| 80) Benzo(a)anthracene | 14.14 | 228 | 414403 | 10.642 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 14.10 | 252 | 176807 | 14.340 | ng | | 97 |
| 82) Chrysene | 14.18 | 228 | 467133 | 12.488 | ng | | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 14.09 | 149 | 308314 | 11.179 | ng | | 99 |
| 84) Di-n-octyl phthalate | 14.72 | 149 | 499792 | 11.658 | ng | | 98 |
| 85) Indeno(1,2,3-cd)pyrene | 17.26 | 276 | 340707 | 10.747 | ng | # | 94 |
| 87) Benzo(b)fluoranthene | 15.22 | 252 | 327739 | 9.709 | ng | | 98 |
| 88) Benzo(k)fluoranthene | 15.25 | 252 | 435754 | 13.176 | ng | # | 95 |
| 89) Benzo(a)pyrene | 15.61 | 252 | 349494 | 11.319 | ng | | 98 |
| 90) Dibenzo(a,h)anthracene | 17.27 | 278 | 289455 | 10.845 | ng | # | 95 |
| 91) Benzo(g,h,i)perylene | 17.74 | 276 | 259344 | 9.851 | ng | # | 92 |

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

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