Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050116\
Data File : BF086593.D
Acq On : 2 May 2016 2:49
Operator : UM/SJ
Sample : H2702-10MSD
Misc :
ALS Vial : 76 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
TEC-COMP-B1AMSD

**Manual Integrations APPROVED**
sohil
5/2/2016 7:48:41 PM

Quant Time: May 02 05:25:33 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF042716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 02 04:16:52 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.76 | 152 | 146314 | 20.00 | ng | | -0.01 |
| 21) Naphthalene-d8 | 8.05 | 136 | 646556 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 9.80 | 164 | 305258 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 11.29 | 188 | 585413 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 13.92 | 240 | 373643 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 15.30 | 264 | 320676 | 20.00 | ng | | -0.01 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.38 | 112 | 1140694 | 134.47 | ng | | 0.02 |
| 7) Phenol-d6 | 6.42 | 99 | 1457099 | 123.08 | ng | | 0.01 |
| 23) Nitrobenzene-d5 | 7.33 | 82 | 1036216 | 86.39 | ng | | -0.01 |
| 41) 2,4,6-Tribromophenol | 10.59 | 330 | 381123 | 118.39 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 9.13 | 172 | 1602301 | 93.92 | ng | | -0.01 |
| 78) Terphenyl-d14 | 12.87 | 244 | 1375367 | 81.10 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.49 | 88 | 169707 | 38.09 | ng | # | 70 |
| 3) Pyridine | 3.15 | 79 | 333135m | 31.59 | ng | | |
| 4) n-Nitrosodimethylamine | 3.08 | 42 | 295967 | 49.24 | ng | # | 58 |
| 6) Aniline | 6.45 | 93 | 104885 | 7.32 | ng | | 93 |
| 8) 2-Chlorophenol | 6.56 | 128 | 456642 | 43.22 | ng | | 97 |
| 10) Phenol | 6.43 | 94 | 533379 | 40.38 | ng | | 97 |
| 11) bis(2-Chloroethyl)ether | 6.51 | 93 | 480361 | 42.07 | ng | | 90 |
| 12) 1,3-Dichlorobenzene | 6.70 | 146 | 435819m | 38.35 | ng | | |
| 13) 1,4-Dichlorobenzene | 6.78 | 146 | 470414 | 40.12 | ng | | 96 |
| 14) 1,2-Dichlorobenzene | 6.93 | 146 | 401619 | 37.35 | ng | | 95 |
| 15) Benzyl Alcohol | 6.92 | 79 | 321079 | 42.87 | ng | | 90 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.05 | 45 | 906743 | 39.67 | ng | | 97 |
| 17) 2-Methylphenol | 7.04 | 107 | 373945 | 43.79 | ng | # | 91 |
| 18) Hexachloroethane | 7.28 | 117 | 167045 | 38.12 | ng | | 98 |
| 19) n-Nitroso-di-n-propylamine | 7.20 | 70 | 350450 | 44.78 | ng | # | 87 |
| 20) 3+4-Methylphenols | 7.18 | 107 | 433901 | 44.50 | ng | # | 73 |
| 22) Acetophenone | 7.18 | 105 | 660297 | 46.57 | ng | # | 94 |
| 24) Nitrobenzene | 7.36 | 77 | 557640 | 45.19 | ng | | 94 |
| 25) Isophorone | 7.60 | 82 | 950965 | 41.19 | ng | | 98 |
| 26) 2-Nitrophenol | 7.66 | 139 | 239289 | 42.12 | ng | # | 71 |
| 27) 2,4-Dimethylphenol | 7.72 | 122 | 426657 | 42.80 | ng | | 95 |
| 28) bis(2-Chloroethoxy)methane | 7.81 | 93 | 575041 | 45.72 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 7.92 | 162 | 380176 | 45.20 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 8.00 | 180 | 400100 | 41.01 | ng | | 98 |
| 31) Naphthalene | 8.08 | 128 | 1579268 | 48.00 | ng | | 99 |
| 32) Benzoic acid | 7.85 | 122 | 201313 | 36.03 | ng | | 85 |
| 33) 4-Chloroaniline | 8.17 | 127 | 27185 | 2.21 | ng | # | 73 |
| 34) Hexachlorobutadiene | 8.19 | 225 | 204752 | 37.43 | ng | | 98 |
| 35) Caprolactam | 8.50 | 113 | 92683m | 33.03 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.62 | 107 | 419285 | 43.54 | ng | | 95 |
| 37) 2-Methylnaphthalene | 8.76 | 142 | 824801 | 42.49 | ng | | 97 |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.93 | 216 | 360029 | 41.20 | ng | | 97 |
| 40) Hexachlorocyclopentadiene | 8.92 | 237 | 364931 | 84.05 | ng | | 95 |
| 42) 2,4,6-Trichlorophenol | 9.05 | 196 | 230950 | 41.81 | ng | | 93 |

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|---|---|---|---|---|---|---|---|
| 43) 2,4,5-Trichlorophenol | 9.09 | 196 | 241410 | 40.10 | ng | # | 86 |
| 45) 1,1'-Biphenyl | 9.23 | 154 | 1053998 | 41.31 | ng | | 97 |
| 46) 2-Chloronaphthalene | 9.25 | 162 | 799563 | 41.21 | ng | | 94 |
| 47) 2-Nitroaniline | 9.36 | 65 | 284677 | 45.76 | ng | | 91 |
| 48) Acenaphthylene | 9.66 | 152 | 1166639 | 38.47 | ng | | 99 |
| 49) Dimethylphthalate | 9.54 | 163 | 962677 | 41.89 | ng | | 100 |
| 50) 2,6-Dinitrotoluene | 9.60 | 165 | 207148 | 43.63 | ng | | 92 |
| 51) Acenaphthene | 9.84 | 154 | 866893 | 44.51 | ng | | 99 |
| 52) 3-Nitroaniline | 9.77 | 138 | 46745 | 8.66 | ng | | 93 |
| 53) 2,4-Dinitrophenol | 9.87 | 184 | 189999 | 73.86 | ng | # | 78 |
| 54) Dibenzofuran | 10.01 | 168 | 1025783 | 42.14 | ng | | 94 |
| 55) 4-Nitrophenol | 9.94 | 139 | 220728 | 62.44 | ng | | 81 |
| 56) 2,4-Dinitrotoluene | 10.00 | 165 | 253264 | 41.85 | ng | # | 83 |
| 57) Fluorene | 10.35 | 166 | 782368 | 37.01 | ng | | 99 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.13 | 232 | 218507 | 46.43 | ng | | 96 |
| 59) Diethylphthalate | 10.24 | 149 | 907764 | 41.73 | ng | | 98 |
| 60) 4-Chlorophenyl-phenylether | 10.35 | 204 | 384919 | 40.11 | ng | # | 82 |
| 61) 4-Nitroaniline | 10.37 | 138 | 164304 | 31.13 | ng | # | 77 |
| 62) Azobenzene | 10.50 | 77 | 1003060 | 42.09 | ng | | 84 |
| 64) 4,6-Dinitro-2-methylphenol | 10.41 | 198 | 146578 | 42.65 | ng | | 90 |
| 65) n-Nitrosodiphenylamine | 10.46 | 169 | 602821 | 32.95 | ng | | 100 |
| 66) 4-Bromophenyl-phenylether | 10.83 | 248 | 238004 | 39.45 | ng | | 95 |
| 67) Hexachlorobenzene | 10.90 | 284 | 284717 | 40.78 | ng | # | 93 |
| 68) Atrazine | 10.99 | 200 | 114240 | 20.79 | ng | | 93 |
| 69) Pentachlorophenol | 11.09 | 266 | 287315 | 78.05 | ng | | 97 |
| 70) Phenanthrene | 11.31 | 178 | 1231197 | 40.08 | ng | | 99 |
| 71) Anthracene | 11.36 | 178 | 1255481 | 38.29 | ng | | 100 |
| 72) Carbazole | 11.52 | 167 | 1001145 | 34.45 | ng | | 99 |
| 73) Di-n-butylphthalate | 11.85 | 149 | 1267811 | 38.51 | ng | # | 98 |
| 74) Fluoranthene | 12.49 | 202 | 1161084 | 37.44 | ng | | 99 |
| 77) Pyrene | 12.72 | 202 | 1174458 | 43.62 | ng | | 100 |
| 79) Butylbenzylphthalate | 13.35 | 149 | 539019 | 46.23 | ng | # | 86 |
| 80) Benzo(a)anthracene | 13.91 | 228 | 776575 | 38.98 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 13.87 | 252 | 38241 | 2.87 | ng | | 95 |
| 82) Chrysene | 13.94 | 228 | 929259 | 42.92 | ng | | 100 |
| 83) Bis(2-ethylhexyl)phthalate | 13.91 | 149 | 599280 | 41.40 | ng | | 98 |
| 84) Di-n-octyl phthalate | 14.51 | 149 | 937499 | 41.36 | ng | # | 87 |
| 85) Indeno(1,2,3-cd)pyrene | 16.64 | 276 | 840178 | 52.37 | ng | | 96 |
| 87) Benzo(b)fluoranthene | 14.91 | 252 | 943087m | 49.99 | ng | | |
| 88) Benzo(k)fluoranthene | 14.95 | 252 | 627491m | 31.89 | ng | | |
| 89) Benzo(a)pyrene | 15.25 | 252 | 762379 | 42.80 | ng | | 98 |
| 90) Dibenzo(a,h)anthracene | 16.66 | 278 | 703289 | 48.25 | ng | # | 95 |
| 91) Benzo(g,h,i)perylene | 17.04 | 276 | 689854 | 47.23 | ng | | 98 |

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

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