Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081017\
Data File : BF097572.D
Acq On : 10 Aug 2017 21:51
Operator : SJ/JU
Sample : I4689-01MSD
Misc :
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
TRAP-ROCK-FINESMSD

**Manual Integrations APPROVED**
sohil
8/14/2017 6:34:21 PM

Quant Time: Aug 11 11:59:05 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 07 16:02:51 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.39 | 152 | 107152 | 20.00 | ng | | -0.02 |
| 21) Naphthalene-d8 | 7.67 | 136 | 453299 | 20.00 | ng | | -0.02 |
| 38) Acenaphthene-d10 | 9.42 | 164 | 188997 | 20.00 | ng | | -0.02 |
| 63) Phenanthrene-d10 | 10.89 | 188 | 299230 | 20.00 | ng | | -0.02 |
| 75) Chrysene-d12 | 13.52 | 240 | 153406 | 20.00 | ng | | -0.02 |
| 86) Perylene-d12 | 14.86 | 264 | 188563 | 20.00 | ng | | -0.01 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 4.99 | 112 | 604493 | 85.04 | ng | | -0.01 |
| 7) Phenol-d6 | 6.07 | 99 | 730449 | 90.02 | ng | | -0.01 |
| 23) Nitrobenzene-d5 | 6.97 | 82 | 451058 | 58.37 | ng | | -0.02 |
| 41) 2,4,6-Tribromophenol | 10.21 | 330 | 123947 | 83.00 | ng | | -0.02 |
| 44) 2-Fluorobiphenyl | 8.75 | 172 | 671389 | 60.29 | ng | | -0.02 |
| 78) Terphenyl-d14 | 12.47 | 244 | 432202 | 57.44 | ng | | -0.02 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 1.89 | 88 | 74269 | 25.038 | ng | # | 73 |
| 3) Pyridine | 2.50 | 79 | 206296 | 22.713 | ng | # | 61 |
| 4) n-Nitrosodimethylamine | 2.45 | 42 | 129814 | 25.798 | ng | | 80 |
| 6) Aniline | 6.06 | 93 | 259388 | 25.402 | ng | | 96 |
| 8) 2-Chlorophenol | 6.19 | 128 | 226114 | 29.750 | ng | | 94 |
| 9) Benzaldehyde | 5.95 | 77 | 94445 | 19.663 | ng | | 94 |
| 10) Phenol | 6.09 | 94 | 321863 | 33.440 | ng | | 98 |
| 11) bis(2-Chloroethyl)ether | 6.14 | 93 | 225392 | 29.608 | ng | | 91 |
| 12) 1,3-Dichlorobenzene | 6.33 | 146 | 220972 | 26.978 | ng | | 98 |
| 13) 1,4-Dichlorobenzene | 6.41 | 146 | 231593 | 28.531 | ng | | 95 |
| 14) 1,2-Dichlorobenzene | 6.56 | 146 | 204907 | 28.911 | ng | | 99 |
| 15) Benzyl Alcohol | 6.56 | 79 | 187711 | 36.537 | ng | | 100 |
| 16) 2,2'-oxybis(1-Chloropropan | 6.68 | 45 | 470138 | 30.791 | ng | | 90 |
| 17) 2-Methylphenol | 6.69 | 107 | 182835 | 31.169 | ng | # | 90 |
| 18) Hexachloroethane | 6.89 | 117 | 79777 | 26.864 | ng | # | 77 |
| 19) n-Nitroso-di-n-propylamine | 6.83 | 70 | 161388 | 30.215 | ng | # | 79 |
| 20) 3+4-Methylphenols | 6.86 | 107 | 243971 | 31.845 | ng | # | 64 |
| 22) Acetophenone | 6.82 | 105 | 309609 | 28.441 | ng | # | 99 |
| 24) Nitrobenzene | 6.99 | 77 | 236749 | 29.419 | ng | | 96 |
| 25) Isophorone | 7.23 | 82 | 411759 | 27.210 | ng | | 97 |
| 26) 2-Nitrophenol | 7.30 | 139 | 121962 | 28.012 | ng | # | 81 |
| 27) 2,4-Dimethylphenol | 7.37 | 122 | 196070 | 27.300 | ng | | 97 |
| 28) bis(2-Chloroethoxy)methane | 7.45 | 93 | 282185 | 28.575 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 7.57 | 162 | 185352 | 29.957 | ng | | 97 |
| 30) 1,2,4-Trichlorobenzene | 7.62 | 180 | 159839 | 27.103 | ng | | 98 |
| 31) Naphthalene | 7.70 | 128 | 614466 | 28.756 | ng | | 100 |
| 33) 4-Chloroaniline | 7.77 | 127 | 191164 | 21.987 | ng | | 99 |
| 34) Hexachlorobutadiene | 7.82 | 225 | 81330 | 26.013 | ng | | 98 |
| 35) Caprolactam | 8.14 | 113 | 47977 | 24.182 | ng | # | 51 |
| 36) 4-Chloro-3-methylphenol | 8.27 | 107 | 193732 | 28.701 | ng | # | 84 |
| 37) 2-Methylnaphthalene | 8.39 | 142 | 407129 | 30.093 | ng | | 98 |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.56 | 216 | 146123 | 28.976 | ng | | 99 |
| 40) Hexachlorocyclopentadiene | 8.54 | 237 | 19892 | 16.942 | ng | | 94 |
| 42) 2,4,6-Trichlorophenol | 8.69 | 196 | 95639 | 26.170 | ng | | 98 |

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|---|---|---|---|---|---|---|---|
| 43) 2,4,5-Trichlorophenol | 8.74 | 196 | 91982 | 25.147 | ng | | 98 |
| 45) 1,1'-Biphenyl | 8.85 | 154 | 454654 | 28.164 | ng | | 98 |
| 46) 2-Chloronaphthalene | 8.87 | 162 | 345941 | 29.121 | ng | # | 94 |
| 47) 2-Nitroaniline | 8.99 | 65 | 140280 | 32.538 | ng | | 92 |
| 48) Acenaphthylene | 9.28 | 152 | 541663 | 29.706 | ng | | 99 |
| 49) Dimethylphthalate | 9.16 | 163 | 546947 | 38.109 | ng | | 99 |
| 50) 2,6-Dinitrotoluene | 9.23 | 165 | 88218 | 28.981 | ng | # | 81 |
| 51) Acenaphthene | 9.45 | 154 | 315491 | 29.374 | ng | | 99 |
| 52) 3-Nitroaniline | 9.40 | 138 | 95619 | 25.307 | ng | # | 93 |
| 54) Dibenzofuran | 9.63 | 168 | 478106 | 33.420 | ng | | 95 |
| 55) 4-Nitrophenol | 9.62 | 139 | 34202m | 15.222 | ng | | |
| 56) 2,4-Dinitrotoluene | 9.65 | 165 | 120000 | 34.292 | ng | # | 80 |
| 57) Fluorene | 9.96 | 166 | 342449 | 31.849 | ng | | 100 |
| 58) 2,3,4,6-Tetrachlorophenol | 9.76 | 232 | 67609 | 26.770 | ng | | 96 |
| 59) Diethylphthalate | 9.86 | 149 | 405383 | 30.788 | ng | | 98 |
| 60) 4-Chlorophenyl-phenylether | 9.96 | 204 | 141880 | 31.954 | ng | | 95 |
| 61) 4-Nitroaniline | 10.02 | 138 | 90793 | 25.290 | ng | | 93 |
| 62) Azobenzene | 10.12 | 77 | 405055 | 33.160 | ng | | 92 |
| 64) 4,6-Dinitro-2-methylphenol | 10.07 | 198 | 10115 | 5.440 | ng | # | 65 |
| 65) n-Nitrosodiphenylamine | 10.09 | 169 | 321613 | 30.890 | ng | | 98 |
| 66) 4-Bromophenyl-phenylether | 10.45 | 248 | 89600 | 30.004 | ng | | 93 |
| 67) Hexachlorobenzene | 10.52 | 284 | 91960 | 27.461 | ng | # | 90 |
| 68) Atrazine | 10.62 | 200 | 93530 | 31.328 | ng | | 93 |
| 69) Pentachlorophenol | 10.73 | 266 | 28602 | 20.643 | ng | | 96 |
| 70) Phenanthrene | 10.92 | 178 | 475233 | 29.641 | ng | | 99 |
| 71) Anthracene | 10.97 | 178 | 494353 | 30.105 | ng | | 99 |
| 72) Carbazole | 11.14 | 167 | 449154 | 27.812 | ng | | 98 |
| 73) Di-n-butylphthalate | 11.47 | 149 | 599724 | 30.042 | ng | | 98 |
| 74) Fluoranthene | 12.10 | 202 | 398091 | 25.345 | ng | | 98 |
| 76) Benzidine | 12.23 | 184 | 203089 | 35.679 | ng | # | 93 |
| 77) Pyrene | 12.32 | 202 | 385108 | 30.664 | ng | | 99 |
| 79) Butylbenzylphthalate | 12.96 | 149 | 189362 | 29.642 | ng | # | 83 |
| 80) Benzo(a)anthracene | 13.51 | 228 | 261678 | 26.363 | ng | | 100 |
| 81) 3,3'-Dichlorobenzidine | 13.48 | 252 | 95770 | 25.585 | ng | # | 96 |
| 82) Chrysene | 13.55 | 228 | 262065 | 27.038 | ng | | 100 |
| 83) Bis(2-ethylhexyl)phthalate | 13.52 | 149 | 216916 | 26.006 | ng | | 99 |
| 84) Di-n-octyl phthalate | 14.13 | 149 | 404275 | 26.411 | ng | # | 93 |
| 85) Indeno(1,2,3-cd)pyrene | 16.04 | 276 | 238910 | 28.746 | ng | | 99 |
| 87) Benzo(b)fluoranthene | 14.52 | 252 | 315738 | 27.855 | ng | | 98 |
| 88) Benzo(k)fluoranthene | 14.54 | 252 | 257985m | 23.885 | ng | | |
| 89) Benzo(a)pyrene | 14.81 | 252 | 301163 | 29.031 | ng | | 98 |
| 90) Dibenzo(a,h)anthracene | 16.04 | 278 | 203487 | 23.919 | ng | | 98 |
| 91) Benzo(g,h,i)perylene | 16.39 | 276 | 195225 | 21.883 | ng | | 97 |

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

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