Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042318\
Data File : BF104704.D
Acq On : 23 Apr 2018 12:54
Operator : JU/SJ
Sample : J2461-03MSD
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** N-P001-S002-0001-01MSD

Quant Time: Apr 23 16:03:43 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 23 15:38:25 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.81 | 152 | 109250 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.09 | 136 | 407281 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 9.85 | 164 | 163116 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 11.34 | 188 | 277098 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 13.99 | 240 | 179772 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 15.46 | 264 | 128680 | 20.00 | ng | | 0.01 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.43 | 112 | 656848 | 91.93 | ng | | 0.02 |
| 7) Phenol-d6 | 6.46 | 99 | 755826 | 86.10 | ng | | 0.02 |
| 23) Nitrobenzene-d5 | 7.37 | 82 | 460887 | 73.89 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.65 | 330 | 156818 | 92.68 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 9.17 | 172 | 784712 | 76.00 | ng | | 0.00 |
| 78) Terphenyl-d14 | 12.93 | 244 | 701269 | 88.93 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.52 | 88 | 98688 | 29.643 | ng | | 89 |
| 3) Pyridine | 3.29 | 79 | 261399 | 27.926 | ng | | 88 |
| 4) n-Nitrosodimethylamine | 3.23 | 42 | 102847 | 31.432 | ng | # | 82 |
| 6) Aniline | 6.47 | 93 | 49873 | 4.089 | ng | # | 1 |
| 8) 2-Chlorophenol | 6.60 | 128 | 251127 | 33.300 | ng | | 92 |
| 9) Benzaldehyde | 6.36 | 77 | 146766 | 30.565 | ng | | 100 |
| 10) Phenol | 6.47 | 94 | 300304 | 32.240 | ng | | 98 |
| 11) bis(2-Chloroethyl)ether | 6.55 | 93 | 256891 | 34.560 | ng | | 94 |
| 12) 1,3-Dichlorobenzene | 6.75 | 146 | 269899 | 31.592 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 6.83 | 146 | 274593 | 32.243 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 6.98 | 146 | 253940 | 32.177 | ng | | 99 |
| 15) Benzyl Alcohol | 6.96 | 79 | 190604 | 28.586 | ng | | 99 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.09 | 45 | 279523 | 28.002 | ng | | 61 |
| 17) 2-Methylphenol | 7.07 | 107 | 190312 | 29.032 | ng | # | 90 |
| 18) Hexachloroethane | 7.32 | 117 | 61710 | 20.323 | ng | | 97 |
| 19) n-Nitroso-di-n-propylamine | 7.22 | 70 | 163143 | 28.439 | ng | | 95 |
| 20) 3+4-Methylphenols | 7.23 | 107 | 246500 | 30.320 | ng | | 96 |
| 22) Acetophenone | 7.22 | 105 | 337463 | 33.655 | ng | | 96 |
| 24) Nitrobenzene | 7.39 | 77 | 239680 | 34.805 | ng | | 99 |
| 25) Isophorone | 7.63 | 82 | 428197 | 32.465 | ng | | 99 |
| 26) 2-Nitrophenol | 7.71 | 139 | 97352 | 34.726 | ng | | 93 |
| 27) 2,4-Dimethylphenol | 7.75 | 122 | 202971 | 34.869 | ng | | 99 |
| 28) bis(2-Chloroethoxy)methane | 7.84 | 93 | 286778 | 35.562 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 7.96 | 162 | 182685 | 32.892 | ng | | 97 |
| 30) 1,2,4-Trichlorobenzene | 8.03 | 180 | 198177 | 32.513 | ng | | 99 |
| 31) Naphthalene | 8.12 | 128 | 662435 | 32.664 | ng | | 99 |
| 33) 4-Chloroaniline | 8.17 | 127 | 47254 | 5.439 | ng | | 98 |
| 34) Hexachlorobutadiene | 8.23 | 225 | 111104 | 33.278 | ng | | 99 |
| 35) Caprolactam | 8.53 | 113 | 44880 | 23.163 | ng | # | 82 |
| 36) 4-Chloro-3-methylphenol | 8.66 | 107 | 178195 | 29.921 | ng | | 100 |
| 37) 2-Methylnaphthalene | 8.80 | 142 | 418207 | 31.880 | ng | | 99 |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.97 | 216 | 175894 | 37.670 | ng | | 98 |
| 40) Hexachlorocyclopentadiene | 8.95 | 237 | 5782 | 2.212 | ng | | 93 |
| 42) 2,4,6-Trichlorophenol | 9.09 | 196 | 112083 | 34.579 | ng | | 97 |

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|---|---|---|---|---|---|---|---|
| 43) 2,4,5-Trichlorophenol | 9.14 | 196 | 115990 | 31.978 | ng | | 96 |
| 45) 1,1'-Biphenyl | 9.27 | 154 | 480519 | 35.067 | ng | | 99 |
| 46) 2-Chloronaphthalene | 9.30 | 162 | 372698 | 34.434 | ng | | 97 |
| 47) 2-Nitroaniline | 9.40 | 65 | 116136 | 43.388 | ng | | 97 |
| 48) Acenaphthylene | 9.71 | 152 | 511636 | 30.129 | ng | | 99 |
| 49) Dimethylphthalate | 9.57 | 163 | 478070 | 37.166 | ng | | 99 |
| 50) 2,6-Dinitrotoluene | 9.63 | 165 | 68183 | 28.647 | ng | | 97 |
| 51) Acenaphthene | 9.88 | 154 | 316657 | 30.562 | ng | | 99 |
| 52) 3-Nitroaniline | 9.80 | 138 | 45753 | 16.420 | ng | | 96 |
| 53) 2,4-Dinitrophenol | 9.93 | 184 | 719 | 6.229 | ng | # | 30 |
| 54) Dibenzofuran | 10.06 | 168 | 473168 | 32.769 | ng | | 99 |
| 55) 4-Nitrophenol | 9.99 | 139 | 119023 | 54.377 | ng | | 95 |
| 56) 2,4-Dinitrotoluene | 10.05 | 165 | 73317 | 23.483 | ng | # | 93 |
| 57) Fluorene | 10.40 | 166 | 362590 | 34.499 | ng | | 99 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.18 | 232 | 89269 | 32.989 | ng | | 93 |
| 59) Diethylphthalate | 10.27 | 149 | 404180 | 31.550 | ng | | 98 |
| 60) 4-Chlorophenyl-phenylether | 10.39 | 204 | 169477 | 36.208 | ng | | 99 |
| 61) 4-Nitroaniline | 10.42 | 138 | 54697 | 20.076 | ng | | 97 |
| 62) Azobenzene | 10.55 | 77 | 352430 | 28.795 | ng | | 93 |
| 64) 4,6-Dinitro-2-methylphenol | 10.45 | 198 | 1644 | 8.379 | ng | # | 61 |
| 65) n-Nitrosodiphenylamine | 10.51 | 169 | 312293 | 32.504 | ng | | 99 |
| 66) 4-Bromophenyl-phenylether | 10.88 | 248 | 98804 | 33.522 | ng | | 91 |
| 67) Hexachlorobenzene | 10.95 | 284 | 110752 | 33.394 | ng | # | 88 |
| 68) Atrazine | 11.04 | 200 | 92647 | 31.947 | ng | | 99 |
| 69) Pentachlorophenol | 11.15 | 266 | 90261 | 43.992 | ng | | 94 |
| 70) Phenanthrene | 11.36 | 178 | 516984 | 33.502 | ng | | 98 |
| 71) Anthracene | 11.42 | 178 | 520851 | 33.204 | ng | | 99 |
| 72) Carbazole | 11.57 | 167 | 465257 | 30.353 | ng | | 100 |
| 73) Di-n-butylphthalate | 11.90 | 149 | 670098 | 35.788 | ng | | 98 |
| 74) Fluoranthene | 12.56 | 202 | 526641 | 32.664 | ng | | 98 |
| 76) Benzidine | 12.67 | 184 | 1401 | Below Cal | | # | 1 |
| 77) Pyrene | 12.79 | 202 | 520382 | 39.052 | ng | | 99 |
| 79) Butylbenzylphthalate | 13.40 | 149 | 315947 | 50.328 | ng | | 97 |
| 80) Benzo(a)anthracene | 13.98 | 228 | 365707 | 34.052 | ng | | 100 |
| 82) Chrysene | 14.02 | 228 | 347634 | 31.513 | ng | | 100 |
| 83) Bis(2-ethylhexyl)phthalate | 13.96 | 149 | 508631 | 62.990 | ng | | 99 |
| 84) Di-n-octyl phthalate | 14.58 | 149 | 523151 | 38.774 | ng | | 97 |
| 85) Indeno(1,2,3-cd)pyrene | 16.94 | 276 | 280346 | 29.916 | ng | | 96 |
| 87) Benzo(b)fluoranthene | 15.03 | 252 | 282117 | 34.713 | ng | # | 97 |
| 88) Benzo(k)fluoranthene | 15.06 | 252 | 259221 | 33.784 | ng | | 98 |
| 89) Benzo(a)pyrene | 15.40 | 252 | 244005 | 33.555 | ng | | 96 |
| 90) Dibenzo(a,h)anthracene | 16.95 | 278 | 234394 | 39.246 | ng | | 99 |
| 91) Benzo(g,h,i)perylene | 17.39 | 276 | 233879 | 40.420 | ng | | 94 |

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

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