Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021517\
Data File : BF092968.D
Acq On : 15 Feb 2017 23:09
Operator : SJ/MA
Sample : I1816-01MSD
Misc :
ALS Vial : 20 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** H-1MSD

**Manual Integrations APPROVED**
mohammad
2/16/2017 11:37:57 AM

Quant Time: Feb 16 07:34:09 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Feb 13 18:04:38 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.88 | 152 | 163571 | 20.00 | ng | | -0.01 |
| 21) Naphthalene-d8 | 8.17 | 136 | 657702 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 9.92 | 164 | 355450 | 20.00 | ng | | -0.01 |
| 63) Phenanthrene-d10 | 11.39 | 188 | 517729 | 20.00 | ng | | -0.01 |
| 75) Chrysene-d12 | 14.03 | 240 | 370719 | 20.00 | ng | | -0.02 |
| 86) Perylene-d12 | 15.46 | 264 | 323005 | 20.00 | ng | | -0.02 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.48 | 112 | 1339682 | 140.51 | ng | | 0.00 |
| 7) Phenol-d6 | 6.52 | 99 | 1713947 | 139.72 | ng | | -0.01 |
| 23) Nitrobenzene-d5 | 7.45 | 82 | 1080826 | 91.51 | ng | | -0.01 |
| 41) 2,4,6-Tribromophenol | 10.70 | 330 | 310280 | 120.69 | ng | | -0.01 |
| 44) 2-Fluorobiphenyl | 9.24 | 172 | 1888074 | 96.23 | ng | | 0.00 |
| 78) Terphenyl-d14 | 12.98 | 244 | 1438081 | 91.15 | ng | | -0.01 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.52 | 88 | 205320 | 39.85 | ng | # | 82 |
| 3) Pyridine | 3.25 | 79 | 532776 | 40.67 | ng | | 86 |
| 4) n-Nitrosodimethylamine | 3.22 | 42 | 307654 | 50.02 | ng | | 90 |
| 6) Aniline | 6.54 | 93 | 229032 | 13.69 | ng | # | 52 |
| 8) 2-Chlorophenol | 6.66 | 128 | 510156 | 48.50 | ng | | 92 |
| 9) Benzaldehyde | 6.42 | 77 | 133873 | 15.23 | ng | | 97 |
| 10) Phenol | 6.53 | 94 | 681799 | 47.50 | ng | # | 79 |
| 11) bis(2-Chloroethyl)ether | 6.61 | 93 | 525144 | 45.84 | ng | | 93 |
| 12) 1,3-Dichlorobenzene | 6.82 | 146 | 587987 | 47.73 | ng | | 98 |
| 13) 1,4-Dichlorobenzene | 6.89 | 146 | 566329 | 45.42 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 7.05 | 146 | 570070 | 47.81 | ng | | 98 |
| 15) Benzyl Alcohol | 7.02 | 79 | 438815 | 48.32 | ng | | 98 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.16 | 45 | 979989 | 49.24 | ng | | 95 |
| 17) 2-Methylphenol | 7.14 | 107 | 457232 | 50.67 | ng | | 97 |
| 18) Hexachloroethane | 7.39 | 117 | 206485 | 48.51 | ng | | 95 |
| 19) n-Nitroso-di-n-propylamine | 7.30 | 70 | 356419 | 45.64 | ng | | 96 |
| 20) 3+4-Methylphenols | 7.30 | 107 | 547586 | 50.75 | ng | | 95 |
| 22) Acetophenone | 7.29 | 105 | 711296 | 47.37 | ng | | 95 |
| 24) Nitrobenzene | 7.47 | 77 | 631329 | 52.06 | ng | # | 86 |
| 25) Isophorone | 7.71 | 82 | 1108237 | 50.36 | ng | | 99 |
| 26) 2-Nitrophenol | 7.78 | 139 | 290578 | 50.41 | ng | | 94 |
| 27) 2,4-Dimethylphenol | 7.82 | 122 | 489268 | 48.33 | ng | | 96 |
| 28) bis(2-Chloroethoxy)methane | 7.92 | 93 | 667006 | 45.76 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 8.03 | 162 | 487052 | 51.58 | ng | | 97 |
| 30) 1,2,4-Trichlorobenzene | 8.11 | 180 | 494185 | 48.57 | ng | | 98 |
| 31) Naphthalene | 8.19 | 128 | 1539718 | 46.18 | ng | | 99 |
| 32) Benzoic acid | 7.96 | 122 | 234846 | 41.99 | ng | | 91 |
| 33) 4-Chloroaniline | 8.24 | 127 | 71015 | 5.43 | ng | | 98 |
| 34) Hexachlorobutadiene | 8.30 | 225 | 261512 | 46.71 | ng | | 98 |
| 35) Caprolactam | 8.61 | 113 | 145113m | 48.86 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.73 | 107 | 470852 | 47.83 | ng | | 97 |
| 37) 2-Methylnaphthalene | 8.88 | 142 | 1030804 | 48.15 | ng | | 97 |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.04 | 216 | 423948 | 42.49 | ng | | 99 |
| 40) Hexachlorocyclopentadiene | 9.02 | 237 | 289672 | 64.35 | ng | | 94 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 9.16 | 196 | 320206 | 48.84 | ng | | 94 |
| 43) 2,4,5-Trichlorophenol | 9.21 | 196 | 327530 | 45.59 | ng | # | 82 |
| 45) 1,1'-Biphenyl | 9.33 | 154 | 1127943 | 43.82 | ng | | 96 |
| 46) 2-Chloronaphthalene | 9.37 | 162 | 982477 | 48.80 | ng | | 94 |
| 47) 2-Nitroaniline | 9.46 | 65 | 273312 | 40.37 | ng | | 98 |
| 48) Acenaphthylene | 9.78 | 152 | 1486910 | 42.75 | ng | | 99 |
| 49) Dimethylphthalate | 9.64 | 163 | 1578668 | 65.94 | ng | | 98 |
| 50) 2,6-Dinitrotoluene | 9.71 | 165 | 267259 | 51.69 | ng | # | 82 |
| 51) Acenaphthene | 9.95 | 154 | 922563 | 44.36 | ng | | 96 |
| 52) 3-Nitroaniline | 9.87 | 138 | 87985 | 14.87 | ng | | 88 |
| 53) 2,4-Dinitrophenol | 9.98 | 184 | 175803 | 67.62 | ng | # | 92 |
| 54) Dibenzofuran | 10.12 | 168 | 1264527 | 45.46 | ng | | 95 |
| 55) 4-Nitrophenol | 10.05 | 139 | 404305 | 94.87 | ng | # | 65 |
| 56) 2,4-Dinitrotoluene | 10.11 | 165 | 323636 | 47.02 | ng | | 93 |
| 57) Fluorene | 10.46 | 166 | 975972 | 45.61 | ng | | 98 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.24 | 232 | 237017 | 49.46 | ng | | 97 |
| 59) Diethylphthalate | 10.34 | 149 | 1017615 | 45.10 | ng | | 98 |
| 60) 4-Chlorophenyl-phenylether | 10.45 | 204 | 441911 | 42.99 | ng | # | 86 |
| 61) 4-Nitroaniline | 10.49 | 138 | 222784 | 36.76 | ng | | 93 |
| 62) Azobenzene | 10.61 | 77 | 1063968m | 45.64 | ng | | |
| 64) 4,6-Dinitro-2-methylphenol | 10.52 | 198 | 137184 | 43.78 | ng | | 85 |
| 65) n-Nitrosodiphenylamine | 10.58 | 169 | 875180 | 52.92 | ng | | 100 |
| 66) 4-Bromophenyl-phenylether | 10.94 | 248 | 275651 | 50.96 | ng | # | 80 |
| 67) Hexachlorobenzene | 11.00 | 284 | 251997 | 47.14 | ng | # | 77 |
| 68) Atrazine | 11.10 | 200 | 285467 | 53.79 | ng | | 95 |
| 69) Pentachlorophenol | 11.21 | 266 | 295967 | 104.81 | ng | | 97 |
| 70) Phenanthrene | 11.43 | 178 | 1433959 | 48.34 | ng | | 98 |
| 71) Anthracene | 11.47 | 178 | 1296348 | 43.52 | ng | | 98 |
| 72) Carbazole | 11.63 | 167 | 1331297 | 46.76 | ng | | 98 |
| 73) Di-n-butylphthalate | 11.95 | 149 | 1544273 | 50.15 | ng | | 98 |
| 74) Fluoranthene | 12.60 | 202 | 1257230 | 41.09 | ng | | 98 |
| 76) Benzidine | 12.73 | 184 | 314546 | 19.91 | ng | | 96 |
| 77) Pyrene | 12.83 | 202 | 1253492 | 45.18 | ng | | 99 |
| 79) Butylbenzylphthalate | 13.45 | 149 | 596247 | 52.92 | ng | | 94 |
| 80) Benzo(a)anthracene | 14.02 | 228 | 936342 | 41.30 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 13.99 | 252 | 189461 | 23.44 | ng | # | 95 |
| 82) Chrysene | 14.05 | 228 | 885126m | 41.69 | ng | | |
| 83) Bis(2-ethylhexyl)phthalate | 14.01 | 149 | 847079 | 54.98 | ng | # | 97 |
| 84) Di-n-octyl phthalate | 14.61 | 149 | 1292825 | 51.53 | ng | | 99 |
| 85) Indeno(1,2,3-cd)pyrene | 16.88 | 276 | 952924 | 57.95 | ng | # | 94 |
| 87) Benzo(b)fluoranthene | 15.05 | 252 | 899091m | 42.29 | ng | | |
| 88) Benzo(k)fluoranthene | 15.08 | 252 | 918440m | 50.03 | ng | | |
| 89) Benzo(a)pyrene | 15.40 | 252 | 861856 | 46.87 | ng | | 97 |
| 90) Dibenzo(a,h)anthracene | 16.90 | 278 | 792303 | 53.31 | ng | | 98 |
| 91) Benzo(g,h,i)perylene | 17.31 | 276 | 799003 | 53.21 | ng | # | 92 |

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

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