Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021517\
Data File : BF092980.D
Acq On : 16 Feb 2017 6:54
Operator : SJ/MA
Sample : I1790-02MSD
Misc :
ALS Vial : 30 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
38-WCS021017-0-15MSD

**Manual Integrations APPROVED**
mohammad
2/16/2017 11:39:49 AM

Quant Time: Feb 16 07:32:07 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 | 148825 | 20.00 | ng | | -0.01 |
| 21) Naphthalene-d8 | 8.16 | 136 | 586829 | 20.00 | ng | | -0.01 |
| 38) Acenaphthene-d10 | 9.90 | 164 | 307100 | 20.00 | ng | | -0.02 |
| 63) Phenanthrene-d10 | 11.39 | 188 | 470862 | 20.00 | ng | | -0.01 |
| 75) Chrysene-d12 | 14.03 | 240 | 342435 | 20.00 | ng | | -0.02 |
| 86) Perylene-d12 | 15.46 | 264 | 283933 | 20.00 | ng | | -0.02 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.49 | 112 | 1262790 | 145.57 | ng | | 0.01 |
| 7) Phenol-d6 | 6.52 | 99 | 1421710 | 127.38 | ng | | -0.01 |
| 23) Nitrobenzene-d5 | 7.45 | 82 | 1086510 | 103.10 | ng | | -0.01 |
| 41) 2,4,6-Tribromophenol | 10.70 | 330 | 317782 | 143.07 | ng | | -0.01 |
| 44) 2-Fluorobiphenyl | 9.23 | 172 | 1681736 | 99.21 | ng | | -0.01 |
| 78) Terphenyl-d14 | 12.98 | 244 | 1328218 | 91.14 | ng | | -0.01 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.64 | 88 | 187311 | 39.96 | ng | # | 71 |
| 3) Pyridine | 3.34 | 79 | 370027m | 31.05 | ng | | |
| 4) n-Nitrosodimethylamine | 3.28 | 42 | 272940 | 48.77 | ng | | 89 |
| 6) Aniline | 6.54 | 93 | 219389 | 14.41 | ng | # | 60 |
| 8) 2-Chlorophenol | 6.66 | 128 | 456979 | 47.75 | ng | | 89 |
| 9) Benzaldehyde | 6.42 | 77 | 37044 | 4.63 | ng | | 96 |
| 10) Phenol | 6.53 | 94 | 590686 | 45.23 | ng | # | 76 |
| 11) bis(2-Chloroethyl)ether | 6.61 | 93 | 461438 | 44.27 | ng | | 92 |
| 12) 1,3-Dichlorobenzene | 6.82 | 146 | 513488 | 45.81 | ng | | 97 |
| 13) 1,4-Dichlorobenzene | 6.89 | 146 | 512228 | 45.15 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 7.05 | 146 | 510254 | 47.04 | ng | | 95 |
| 15) Benzyl Alcohol | 7.02 | 79 | 412289 | 49.89 | ng | | 97 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.15 | 45 | 866689 | 47.86 | ng | | 97 |
| 17) 2-Methylphenol | 7.14 | 107 | 406292 | 49.49 | ng | | 96 |
| 18) Hexachloroethane | 7.38 | 117 | 169520 | 43.77 | ng | # | 85 |
| 19) n-Nitroso-di-n-propylamine | 7.30 | 70 | 363263 | 51.13 | ng | | 96 |
| 20) 3+4-Methylphenols | 7.30 | 107 | 473443 | 48.23 | ng | # | 85 |
| 22) Acetophenone | 7.29 | 105 | 630647 | 47.07 | ng | # | 94 |
| 24) Nitrobenzene | 7.46 | 77 | 501022 | 46.30 | ng | | 98 |
| 25) Isophorone | 7.70 | 82 | 962680 | 49.02 | ng | | 96 |
| 26) 2-Nitrophenol | 7.78 | 139 | 282115 | 54.85 | ng | | 89 |
| 27) 2,4-Dimethylphenol | 7.82 | 122 | 455486 | 50.42 | ng | | 92 |
| 28) bis(2-Chloroethoxy)methane | 7.92 | 93 | 645306 | 49.62 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 8.02 | 162 | 402860 | 47.82 | ng | | 90 |
| 30) 1,2,4-Trichlorobenzene | 8.10 | 180 | 430590 | 47.43 | ng | | 95 |
| 31) Naphthalene | 8.18 | 128 | 1319444 | 44.35 | ng | | 99 |
| 32) Benzoic acid | 7.95 | 122 | 274152 | 52.73 | ng | | 96 |
| 33) 4-Chloroaniline | 8.22 | 127 | 95882 | 8.22 | ng | | 96 |
| 34) Hexachlorobutadiene | 8.29 | 225 | 215297 | 43.10 | ng | | 99 |
| 35) Caprolactam | 8.60 | 113 | 117261m | 44.25 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.73 | 107 | 457586 | 52.10 | ng | | 90 |
| 37) 2-Methylnaphthalene | 8.86 | 142 | 929443 | 48.66 | ng | | 99 |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.04 | 216 | 413328 | 47.95 | ng | | 100 |
| 40) Hexachlorocyclopentadiene | 9.02 | 237 | 212281 | 54.58 | ng | | 97 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 9.15 | 196 | 281011 | 49.61 | ng | | 92 |
| 43) 2,4,5-Trichlorophenol | 9.20 | 196 | 287813 | 46.37 | ng | | 94 |
| 45) 1,1'-Biphenyl | 9.33 | 154 | 1046068 | 47.04 | ng | | 97 |
| 46) 2-Chloronaphthalene | 9.36 | 162 | 823750 | 47.35 | ng | | 96 |
| 47) 2-Nitroaniline | 9.46 | 65 | 301311 | 51.52 | ng | | 95 |
| 48) Acenaphthylene | 9.78 | 152 | 1403196 | 46.69 | ng | | 99 |
| 49) Dimethylphthalate | 9.64 | 163 | 1108681 | 53.60 | ng | | 100 |
| 50) 2,6-Dinitrotoluene | 9.70 | 165 | 212701 | 47.61 | ng | # | 82 |
| 51) Acenaphthene | 9.94 | 154 | 868212 | 48.32 | ng | | 98 |
| 52) 3-Nitroaniline | 9.87 | 138 | 68526 | 13.40 | ng | # | 77 |
| 53) 2,4-Dinitrophenol | 9.97 | 184 | 158312 | 70.28 | ng | # | 56 |
| 54) Dibenzofuran | 10.12 | 168 | 1194046 | 49.69 | ng | # | 89 |
| 55) 4-Nitrophenol | 10.04 | 139 | 283689 | 77.05 | ng | | 93 |
| 56) 2,4-Dinitrotoluene | 10.11 | 165 | 311163 | 52.32 | ng | # | 80 |
| 57) Fluorene | 10.46 | 166 | 871901 | 47.16 | ng | | 98 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.24 | 232 | 223393 | 53.96 | ng | | 98 |
| 59) Diethylphthalate | 10.34 | 149 | 1037818 | 53.24 | ng | | 95 |
| 60) 4-Chlorophenyl-phenylether | 10.45 | 204 | 423778 | 47.71 | ng | # | 79 |
| 61) 4-Nitroaniline | 10.49 | 138 | 232650 | 44.43 | ng | | 85 |
| 62) Azobenzene | 10.61 | 77 | 1013301m | 50.31 | ng | | |
| 64) 4,6-Dinitro-2-methylphenol | 10.51 | 198 | 108975 | 38.58 | ng | # | 49 |
| 65) n-Nitrosodiphenylamine | 10.57 | 169 | 754180 | 50.14 | ng | | 100 |
| 66) 4-Bromophenyl-phenylether | 10.94 | 248 | 251607 | 51.15 | ng | # | 76 |
| 67) Hexachlorobenzene | 11.00 | 284 | 226837 | 46.66 | ng | # | 78 |
| 68) Atrazine | 11.09 | 200 | 218310 | 45.23 | ng | | 99 |
| 69) Pentachlorophenol | 11.21 | 266 | 261087 | 101.87 | ng | | 99 |
| 70) Phenanthrene | 11.41 | 178 | 1271215 | 47.12 | ng | | 98 |
| 71) Anthracene | 11.47 | 178 | 1277157 | 47.14 | ng | | 98 |
| 72) Carbazole | 11.63 | 167 | 1218634 | 47.06 | ng | | 98 |
| 73) Di-n-butylphthalate | 11.95 | 149 | 1438978 | 51.38 | ng | | 98 |
| 74) Fluoranthene | 12.60 | 202 | 1072787 | 38.55 | ng | | 99 |
| 76) Benzidine | 12.73 | 184 | 36403 | 2.49 | ng | | 98 |
| 77) Pyrene | 12.83 | 202 | 1059941 | 41.36 | ng | | 99 |
| 79) Butylbenzylphthalate | 13.45 | 149 | 536975 | 51.60 | ng | | 96 |
| 80) Benzo(a)anthracene | 14.02 | 228 | 923267 | 44.08 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 13.99 | 252 | 209284 | 28.03 | ng | # | 95 |
| 82) Chrysene | 14.05 | 228 | 747228 | 38.11 | ng | | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 14.01 | 149 | 760541 | 53.44 | ng | # | 97 |
| 84) Di-n-octyl phthalate | 14.61 | 149 | 1216033 | 52.47 | ng | | 100 |
| 85) Indeno(1,2,3-cd)pyrene | 16.88 | 276 | 796308 | 52.43 | ng | # | 94 |
| 87) Benzo(b)fluoranthene | 15.05 | 252 | 814421m | 43.58 | ng | | |
| 88) Benzo(k)fluoranthene | 15.08 | 252 | 854213m | 52.94 | ng | | |
| 89) Benzo(a)pyrene | 15.40 | 252 | 786052 | 48.63 | ng | # | 96 |
| 90) Dibenzo(a,h)anthracene | 16.90 | 278 | 673447 | 51.55 | ng | | 99 |
| 91) Benzo(g,h,i)perylene | 17.31 | 276 | 663110 | 50.24 | ng | # | 92 |

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

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