Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG012017\
Data File : BG025566.D
Acq On : 21 Jan 2017 10:04
Operator : UM/SJ
Sample : I1260-04MSD
Misc :
ALS Vial : 32 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** MH-0-12FT-COMPMSD

**Manual Integrations APPROVED**

Quant Time: Jan 23 00:53:22 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG122116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jan 10 11:26:22 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) | |
|---|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.18 | 152 | 68189 | 20.00 | ng | | -0.02 | |
| 21) Naphthalene-d8 | 11.00 | 136 | 282268 | 20.00 | ng | | -0.02 | |
| 38) Acenaphthene-d10 | 14.81 | 164 | 233599 | 20.00 | ng | | -0.02 | |
| 63) Phenanthrene-d10 | 17.56 | 188 | 530702 | 20.00 | ng | | -0.02 | |
| 75) Chrysene-d12 | 21.84 | 240 | 710453 | 20.00 | ng | | -0.02 | |
| 86) Perylene-d12 | 25.23 | 264 | 719050 | 20.00 | ng | | -0.04 | mohammad |
| **System Monitoring Compounds** | | | | | | | | |
| 5) 2-Fluorophenol | 5.72 | 112 | 652941 | 174.05 | ng | | -0.02 | |
| 7) Phenol-d6 | 7.34 | 99 | 887412 | 167.96 | ng | | -0.01 | |
| 23) Nitrobenzene-d5 | 9.36 | 82 | 727580 | 113.87 | ng | | -0.02 | 1/23/2017 4:59:52 PM |
| 41) 2,4,6-Tribromophenol | 16.30 | 330 | 584575 | 155.44 | ng | | -0.02 | |
| 44) 2-Fluorobiphenyl | 13.43 | 172 | 1491749 | 103.39 | ng | | -0.02 | |
| 78) Terphenyl-d14 | 20.14 | 244 | 2770981 | 103.41 | ng | | -0.01 | |
| **Target Compounds** | | | | | | | Qvalue | |
| 2) 1,4-Dioxane | 3.55 | 88 | 71214 | 44.49 | ng | # | 52 | |
| 3) Pyridine | 3.98 | 79 | 196102 | 42.26 | ng | | 99 | |
| 4) n-Nitrosodimethylamine | 3.88 | 42 | 154543 | 56.11 | ng | | 98 | |
| 6) Aniline | 7.51 | 93 | 105088 | 14.68 | ng | | 91 | |
| 8) 2-Chlorophenol | 7.74 | 128 | 230176 | 54.39 | ng | | 98 | |
| 10) Phenol | 7.37 | 94 | 315632 | 53.89 | ng | | 97 | |
| 11) bis(2-Chloroethyl)ether | 7.59 | 93 | 239739 | 53.12 | ng | | 95 | |
| 12) 1,3-Dichlorobenzene | 8.06 | 146 | 244140 | 47.67 | ng | | 94 | |
| 13) 1,4-Dichlorobenzene | 8.21 | 146 | 252637 | 47.60 | ng | | 98 | |
| 14) 1,2-Dichlorobenzene | 8.54 | 146 | 241496 | 47.68 | ng | | 98 | |
| 15) Benzyl Alcohol | 8.43 | 79 | 279374 | 55.39 | ng | | 96 | |
| 16) 2,2'-oxybis(1-Chloropropan | 8.70 | 45 | 458077 | 54.81 | ng | | 98 | |
| 17) 2-Methylphenol | 8.63 | 107 | 222006 | 57.72 | ng | | 97 | |
| 18) Hexachloroethane | 9.26 | 117 | 98159 | 48.16 | ng | | 91 | |
| 19) n-Nitroso-di-n-propylamine | 8.98 | 70 | 235563 | 52.79 | ng | | 99 | |
| 20) 3+4-Methylphenols | 8.96 | 107 | 302333 | 56.80 | ng | | 96 | |
| 22) Acetophenone | 9.01 | 105 | 399720 | 50.97 | ng | # | 100 | |
| 24) Nitrobenzene | 9.41 | 77 | 375686 | 53.61 | ng | | 95 | |
| 25) Isophorone | 9.92 | 82 | 654526 | 56.58 | ng | | 98 | |
| 26) 2-Nitrophenol | 10.12 | 139 | 146272 | 54.57 | ng | | 95 | |
| 27) 2,4-Dimethylphenol | 10.17 | 122 | 256602 | 58.23 | ng | | 94 | |
| 28) bis(2-Chloroethoxy)methane | 10.39 | 93 | 347414 | 57.83 | ng | | 97 | |
| 29) 2,4-Dichlorophenol | 10.66 | 162 | 272663 | 57.82 | ng | | 95 | |
| 30) 1,2,4-Trichlorobenzene | 10.86 | 180 | 290705 | 51.03 | ng | | 98 | |
| 31) Naphthalene | 11.06 | 128 | 732829 | 51.99 | ng | | 99 | |
| 32) Benzoic acid | 10.32 | 122 | 133980 | 37.81 | ng | # | 87 | |
| 33) 4-Chloroaniline | 11.20 | 127 | 15065 | 2.54 | ng | # | 89 | |
| 34) Hexachlorobutadiene | 11.31 | 225 | 226051 | 48.61 | ng | | 95 | |
| 35) Caprolactam | 11.96 | 113 | 85146m | 48.06 | ng | | | |
| 36) 4-Chloro-3-methylphenol | 12.29 | 107 | 324916 | 55.82 | ng | | 98 | |
| 37) 2-Methylnaphthalene | 12.65 | 142 | 561011 | 53.70 | ng | | 94 | |
| 39) 1,2,4,5-Tetrachlorobenzene | 13.01 | 216 | 394996 | 51.22 | ng | | 97 | |
| 40) Hexachlorocyclopentadiene | 12.97 | 237 | 364247 | 124.06 | ng | | 99 | |
| 42) 2,4,6-Trichlorophenol | 13.25 | 196 | 255376 | 52.59 | ng | | 98 | |

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Sample : I1260-04MSD
Misc :
ALS Vial : 32 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
MH-0-12FT-COMPMSD

**Manual Integrations APPROVED**

Quant Time: Jan 23 00:53:22 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG122116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jan 10 11:26:22 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 43) 2,4,5-Trichlorophenol | 13.34 | 196 | 268439 | 52.81 | ng | | 93 |
| 45) 1,1'-Biphenyl | 13.64 | 154 | 808893 | 51.48 | ng | | 97 |
| 46) 2-Chloronaphthalene | 13.70 | 162 | 639387 | 52.09 | ng | | 97 |
| 47) 2-Nitroaniline | 13.91 | 65 | 272300 | 52.55 | ng | | 91 |
| 48) Acenaphthylene | 14.54 | 152 | 964812 | 50.71 | ng | | 98 |
| 49) Dimethylphthalate | 14.25 | 163 | 907445 | 53.29 | ng | | 98 |
| 50) 2,6-Dinitrotoluene | 14.39 | 165 | 202428 | 54.41 | ng | | 97 |
| 51) Acenaphthene | 14.87 | 154 | 638580 | 51.32 | ng | | 99 |
| 52) 3-Nitroaniline | 14.75 | 138 | 12258 | 3.43 | ng | # | 69 |
| 53) 2,4-Dinitrophenol | 14.95 | 184 | 261890 | 105.61 | ng | # | 83 |
| 54) Dibenzofuran | 15.21 | 168 | 1038109 | 52.77 | ng | | 98 |
| 55) 4-Nitrophenol | 15.06 | 139 | 281745 | 105.47 | ng | | 94 |
| 56) 2,4-Dinitrotoluene | 15.19 | 165 | 306850 | 56.65 | ng | # | 96 |
| 57) Fluorene | 15.85 | 166 | 854716 | 51.89 | ng | | 98 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.43 | 232 | 268105 | 49.24 | ng | | 97 |
| 59) Diethylphthalate | 15.60 | 149 | 937158 | 52.48 | ng | | 98 |
| 60) 4-Chlorophenyl-phenylether | 15.83 | 204 | 478450 | 51.26 | ng | | 98 |
| 61) 4-Nitroaniline | 15.90 | 138 | 134939 | 37.49 | ng | | 91 |
| 62) Azobenzene | 16.13 | 77 | 1008372 | 58.55 | ng | | 99 |
| 64) 4,6-Dinitro-2-methylphenol | 15.96 | 198 | 203023 | 55.24 | ng | | 78 |
| 65) n-Nitrosodiphenylamine | 16.05 | 169 | 775677 | 54.07 | ng | | 98 |
| 66) 4-Bromophenyl-phenylether | 16.73 | 248 | 354110 | 54.08 | ng | | 98 |
| 67) Hexachlorobenzene | 16.86 | 284 | 392810 | 52.28 | ng | # | 91 |
| 68) Atrazine | 16.99 | 200 | 238971 | 38.02 | ng | | 94 |
| 69) Pentachlorophenol | 17.21 | 266 | 422137 | 108.38 | ng | | 94 |
| 70) Phenanthrene | 17.60 | 178 | 1484658 | 54.29 | ng | | 98 |
| 71) Anthracene | 17.69 | 178 | 1505499 | 54.18 | ng | | 97 |
| 72) Carbazole | 17.97 | 167 | 1335820 | 53.74 | ng | | 99 |
| 73) Di-n-butylphthalate | 18.48 | 149 | 1661608 | 54.34 | ng | | 98 |
| 74) Fluoranthene | 19.59 | 202 | 1932369 | 53.49 | ng | | 96 |
| 76) Benzidine | 19.80 | 184 | 164918 | 9.31 | ng | # | 94 |
| 77) Pyrene | 19.96 | 202 | 1949188 | 52.50 | ng | | 100 |
| 79) Butylbenzylphthalate | 20.81 | 149 | 845303 | 56.70 | ng | | 98 |
| 80) Benzo(a)anthracene | 21.83 | 228 | 2160355 | 54.52 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 21.73 | 252 | 132218 | 8.59 | ng | | 99 |
| 82) Chrysene | 21.89 | 228 | 1998866 | 52.60 | ng | | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 21.67 | 149 | 1201819 | 57.93 | ng | | 98 |
| 84) Di-n-octyl phthalate | 22.91 | 149 | 2026023 | 58.82 | ng | | 97 |
| 85) Indeno(1,2,3-cd)pyrene | 29.12 | 276 | 2673060 | 55.33 | ng | # | 98 |
| 87) Benzo(b)fluoranthene | 24.14 | 252 | 2227633 | 56.78 | ng | | 98 |
| 88) Benzo(k)fluoranthene | 24.21 | 252 | 2171271 | 57.31 | ng | | 99 |
| 89) Benzo(a)pyrene | 25.07 | 252 | 2164454 | 57.12 | ng | | 99 |
| 90) Dibenzo(a,h)anthracene | 29.18 | 278 | 2297980 | 57.22 | ng | | 99 |
| 91) Benzo(g,h,i)perylene | 30.36 | 276 | 2127046 | 53.30 | ng | | 96 |

mohammad

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

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