Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF070916\
Data File : BF088887.D
Acq On : 9 Jul 2016 22:58
Operator : UM/SJ
Sample : H3813-31MSD 25X
Misc :
ALS Vial : 25 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** P001-WW001-01MSD

**Manual Integrations APPROVED**
sohil
7/11/2016 8:07:45 PM

Quant Time: Jul 11 15:55:29 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF063016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 08 18:51:20 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.72 | 152 | 89900m | 20.00 | ng | | -0.01 |
| 21) Naphthalene-d8 | 8.01 | 136 | 363092 | 20.00 | ng | | -0.01 |
| 38) Acenaphthene-d10 | 9.76 | 164 | 173677 | 20.00 | ng | | -0.01 |
| 63) Phenanthrene-d10 | 11.23 | 188 | 342516 | 20.00 | ng | | -0.01 |
| 75) Chrysene-d12 | 13.85 | 240 | 184116 | 20.00 | ng | | -0.02 |
| 86) Perylene-d12 | 15.23 | 264 | 172079 | 20.00 | ng | | -0.01 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.30 | 112 | 13403 | 2.23 | ng | | -0.02 |
| 7) Phenol-d6 | 6.34 | 99 | 11719 | 1.51 | ng | | -0.03 |
| 23) Nitrobenzene-d5 | 7.28 | 82 | 22032 | 3.18 | ng | | -0.02 |
| 41) 2,4,6-Tribromophenol | 10.54 | 330 | 8601 | 5.33 | ng | | -0.02 |
| 44) 2-Fluorobiphenyl | 9.08 | 172 | 40960 | 3.73 | ng | | -0.01 |
| 78) Terphenyl-d14 | 12.81 | 244 | 35681 | 4.32 | ng | | -0.01 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.24 | 88 | 1536 | 0.52 | ng | # | 71 |
| 3) Pyridine | 2.99 | 79 | 566 | 0.07 | ng | # | 23 |
| 4) n-Nitrosodimethylamine | 2.87 | 42 | 210 | 0.06 | ng | # | 86 |
| 6) Aniline | 6.38 | 93 | 2815 | 0.25 | ng | | 99 |
| 8) 2-Chlorophenol | 6.50 | 128 | 3980 | 0.62 | ng | | 86 |
| 9) Benzaldehyde | 6.26 | 77 | 2869 | 0.55 | ng | | 97 |
| 10) Phenol | 6.36 | 94 | 2385 | 0.27 | ng | # | 59 |
| 11) bis(2-Chloroethyl)ether | 6.44 | 93 | 4449 | 0.67 | ng | | 88 |
| 12) 1,3-Dichlorobenzene | 6.66 | 146 | 4694m | 0.66 | ng | | |
| 13) 1,4-Dichlorobenzene | 6.73 | 146 | 4754m | 0.68 | ng | | |
| 14) 1,2-Dichlorobenzene | 6.89 | 146 | 5026 | 0.76 | ng | # | 92 |
| 15) Benzyl Alcohol | 6.86 | 79 | 2935 | 0.51 | ng | | 92 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.00 | 45 | 5417 | 0.57 | ng | | 88 |
| 17) 2-Methylphenol | 6.98 | 107 | 2724 | 0.52 | ng | | 96 |
| 18) Hexachloroethane | 7.23 | 117 | 1865 | 0.68 | ng | | 90 |
| 19) n-Nitroso-di-n-propylamine | 7.13 | 70 | 3716 | 0.71 | ng | | 88 |
| 20) 3+4-Methylphenols | 7.13 | 107 | 3611 | 0.57 | ng | # | 60 |
| 22) Acetophenone | 7.13 | 105 | 6885 | 0.78 | ng | # | 92 |
| 24) Nitrobenzene | 7.30 | 77 | 4992 | 0.71 | ng | | 93 |
| 25) Isophorone | 7.54 | 82 | 10076 | 0.79 | ng | | 97 |
| 26) 2-Nitrophenol | 7.62 | 139 | 2070 | 0.72 | ng | # | 87 |
| 27) 2,4-Dimethylphenol | 7.67 | 122 | 3912 | 0.66 | ng | | 96 |
| 28) bis(2-Chloroethoxy)methane | 7.76 | 93 | 6681 | 0.80 | ng | # | 97 |
| 29) 2,4-Dichlorophenol | 7.86 | 162 | 3235 | 0.67 | ng | | 92 |
| 30) 1,2,4-Trichlorobenzene | 7.95 | 180 | 4156 | 0.79 | ng | | 97 |
| 31) Naphthalene | 8.02 | 128 | 15116 | 0.84 | ng | | 99 |
| 33) 4-Chloroaniline | 8.08 | 127 | 3502 | 0.44 | ng | # | 95 |
| 34) Hexachlorobutadiene | 8.15 | 225 | 2082 | 0.73 | ng | | 98 |
| 36) 4-Chloro-3-methylphenol | 8.56 | 107 | 4194 | 0.74 | ng | | 95 |
| 37) 2-Methylnaphthalene | 8.72 | 142 | 10469 | 0.91 | ng | | 97 |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.88 | 216 | 3774 | 0.65 | ng | # | 1 |
| 40) Hexachlorocyclopentadiene | 8.88 | 237 | 900 | 0.32 | ng | | 94 |
| 42) 2,4,6-Trichlorophenol | 8.99 | 196 | 2698 | 0.71 | ng | | 98 |
| 43) 2,4,5-Trichlorophenol | 9.04 | 196 | 2542 | 0.78 | ng | # | 97 |

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|---|---|---|---|---|---|---|---|
| 45) 1,1'-Biphenyl | 9.18 | 154 | 11824 | 0.82 | ng | | 98 |
| 46) 2-Chloronaphthalene | 9.20 | 162 | 9788 | 0.87 | ng | | 98 |
| 47) 2-Nitroaniline | 9.29 | 65 | 2498 | 0.62 | ng | | 90 |
| 48) Acenaphthylene | 9.61 | 152 | 14891 | 0.83 | ng | | 98 |
| 49) Dimethylphthalate | 9.47 | 163 | 15699 | 1.27 | ng | | 100 |
| 50) 2,6-Dinitrotoluene | 9.54 | 165 | 1928 | 0.70 | ng | | 97 |
| 51) Acenaphthene | 9.78 | 154 | 10106 | 0.92 | ng | | 98 |
| 52) 3-Nitroaniline | 9.70 | 138 | 1933 | 0.55 | ng | # | 95 |
| 54) Dibenzofuran | 9.95 | 168 | 13973 | 0.97 | ng | # | 90 |
| 55) 4-Nitrophenol | 9.87 | 139 | 1777 | 0.67 | ng | # | 82 |
| 56) 2,4-Dinitrotoluene | 9.94 | 165 | 2446 | 0.68 | ng | # | 91 |
| 57) Fluorene | 10.30 | 166 | 11570 | 1.04 | ng | | 98 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.08 | 232 | 1941 | 0.77 | ng | # | 53 |
| 59) Diethylphthalate | 10.17 | 149 | 11059 | 0.89 | ng | | 95 |
| 60) 4-Chlorophenyl-phenylether | 10.30 | 204 | 5332 | 1.03 | ng | | 95 |
| 61) 4-Nitroaniline | 10.30 | 138 | 1987 | 0.59 | ng | # | 77 |
| 62) Azobenzene | 10.46 | 77 | 11357 | 0.80 | ng | | 87 |
| 65) n-Nitrosodiphenylamine | 10.41 | 169 | 9973 | 0.86 | ng | | 99 |
| 66) 4-Bromophenyl-phenylether | 10.78 | 248 | 2806 | 0.81 | ng | # | 66 |
| 67) Hexachlorobenzene | 10.84 | 284 | 3028 | 0.79 | ng | # | 88 |
| 68) Atrazine | 10.95 | 200 | 3247 | 0.90 | ng | | 90 |
| 69) Pentachlorophenol | 11.04 | 266 | 3594 | 1.59 | ng | | 93 |
| 70) Phenanthrene | 11.26 | 178 | 14275 | 0.76 | ng | | 98 |
| 71) Anthracene | 11.30 | 178 | 16633 | 0.89 | ng | | 97 |
| 72) Carbazole | 11.46 | 167 | 13807 | 0.79 | ng | | 98 |
| 73) Di-n-butylphthalate | 11.80 | 149 | 19764 | 0.97 | ng | | 100 |
| 74) Fluoranthene | 12.43 | 202 | 14956 | 0.79 | ng | | 99 |
| 77) Pyrene | 12.66 | 202 | 13918 | 0.89 | ng | | 100 |
| 79) Butylbenzylphthalate | 13.29 | 149 | 7464 | 1.07 | ng | # | 86 |
| 80) Benzo(a)anthracene | 13.84 | 228 | 9874 | 0.83 | ng | | 98 |
| 81) 3,3'-Dichlorobenzidine | 13.82 | 252 | 1161 | 0.26 | ng | # | 94 |
| 82) Chrysene | 13.87 | 228 | 9202 | 0.78 | ng | | 95 |
| 83) Bis(2-ethylhexyl)phthalate | 13.85 | 149 | 10453 | 1.31 | ng | # | 98 |
| 84) Di-n-octyl phthalate | 14.47 | 149 | 15115 | 1.12 | ng | # | 100 |
| 85) Indeno(1,2,3-cd)pyrene | 16.51 | 276 | 8585 | 0.95 | ng | # | 100 |
| 87) Benzo(b)fluoranthene | 14.85 | 252 | 8273m | 0.77 | ng | | |
| 88) Benzo(k)fluoranthene | 14.87 | 252 | 7198m | 0.77 | ng | | |
| 89) Benzo(a)pyrene | 15.17 | 252 | 7406 | 0.81 | ng | # | 83 |
| 90) Dibenzo(a,h)anthracene | 16.54 | 278 | 7130 | 0.93 | ng | # | 95 |
| 91) Benzo(g,h,i)perylene | 16.90 | 276 | 7578 | 0.96 | ng | | 96 |

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

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