Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM072817\
Data File : BM011053.D
Acq On : 28 Jul 2017 21:56
Operator : SJ/JU
Sample : I4465-03MS
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
OK-03-072617-AMS

**Manual Integrations APPROVED**
Sohil
7/31/2017 6:50:16 PM

Quant Time: Jul 31 17:05:17 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-BM072617.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 26 17:29:06 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.39 | 152 | 158253 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.15 | 136 | 684898 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 14.05 | 164 | 488062 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 16.80 | 188 | 1210723 | 20.00 | ng | | -0.01 |
| 75) Chrysene-d12 | 21.02 | 240 | 1162939 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 23.13 | 264 | 137876 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.03 | 112 | 1416408 | 151.30 | ng | | 0.00 |
| 7) Phenol-d6 | 6.59 | 99 | 1874585 | 140.93 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 8.53 | 82 | 1701380 | 93.23 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 15.55 | 330 | 1126579 | 144.02 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 12.66 | 172 | 3667325 | 94.24 | ng | | 0.00 |
| 78) Terphenyl-d14 | 19.46 | 244 | 5226732 | 89.03 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.05 | 88 | 158988 | 37.825 | ng | # | 100 |
| 4) n-Nitrosodimethylamine | 3.33 | 42 | 278060 | 47.525 | ng | # | 65 |
| 8) 2-Chlorophenol | 6.96 | 128 | 414805 | 43.643 | ng | # | 78 |
| 9) Benzaldehyde | 6.55 | 77 | 479309 | 55.694 | ng | # | 76 |
| 10) Phenol | 6.62 | 94 | 622249 | 43.071 | ng | | 93 |
| 11) bis(2-Chloroethyl)ether | 6.84 | 93 | 572596 | 50.866 | ng | | 95 |
| 12) 1,3-Dichlorobenzene | 7.27 | 146 | 476352 | 41.124 | ng | # | 78 |
| 13) 1,4-Dichlorobenzene | 7.42 | 146 | 480179 | 40.442 | ng | # | 88 |
| 14) 1,2-Dichlorobenzene | 7.73 | 146 | 470888 | 41.480 | ng | # | 90 |
| 15) Benzyl Alcohol | 7.63 | 79 | 222330 | 17.424 | ng | # | 83 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.93 | 45 | 460661 | 45.477 | ng | | 74 |
| 17) 2-Methylphenol | 7.84 | 107 | 421404 | 45.639 | ng | # | 72 |
| 18) Hexachloroethane | 8.44 | 117 | 219987 | 42.486 | ng | # | 85 |
| 19) n-Nitroso-di-n-propylamine | 8.20 | 70 | 540976 | 47.861 | ng | # | 94 |
| 20) 3+4-Methylphenols | 8.17 | 107 | 568603 | 44.300 | ng | # | 80 |
| 22) Acetophenone | 8.20 | 105 | 840070 | 40.918 | ng | # | 91 |
| 24) Nitrobenzene | 8.57 | 77 | 850225 | 44.962 | ng | # | 86 |
| 25) Isophorone | 9.10 | 82 | 1318283 | 43.327 | ng | # | 84 |
| 26) 2-Nitrophenol | 9.27 | 139 | 247636 | 41.157 | ng | # | 14 |
| 27) 2,4-Dimethylphenol | 9.35 | 122 | 452689 | 42.739 | ng | # | 62 |
| 28) bis(2-Chloroethoxy)methane | 9.59 | 93 | 443264 | 26.121 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 9.80 | 162 | 548646 | 46.096 | ng | | 96 |
| 30) 1,2,4-Trichlorobenzene | 10.02 | 180 | 633025 | 43.015 | ng | | 98 |
| 31) Naphthalene | 10.19 | 128 | 1459972 | 42.373 | ng | | 99 |
| 32) Benzoic acid | 9.50 | 122 | 320137 | 37.602 | ng | # | 68 |
| 33) 4-Chloroaniline | 10.36 | 127 | 198865m | 14.468 | ng | | |
| 34) Hexachlorobutadiene | 10.48 | 225 | 491324 | 42.388 | ng | | 99 |
| 35) Caprolactam | 11.16 | 113 | 92324m | 27.352 | ng | | |
| 36) 4-Chloro-3-methylphenol | 11.45 | 107 | 632092 | 41.128 | ng | # | 76 |
| 37) 2-Methylnaphthalene | 11.82 | 142 | 1212325 | 47.897 | ng | # | 85 |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.20 | 216 | 872682 | 41.618 | ng | # | 100 |
| 40) Hexachlorocyclopentadiene | 12.18 | 237 | 1335847 | 109.332 | ng | | 97 |
| 42) 2,4,6-Trichlorophenol | 12.46 | 196 | 545115 | 42.951 | ng | | 98 |
| 43) 2,4,5-Trichlorophenol | 12.52 | 196 | 579885 | 44.362 | ng | # | 86 |

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|---|---|---|---|---|---|---|---|
| 45) 1,1'-Biphenyl | 12.86 | 154 | 1725320 | 40.883 | ng | | 96 |
| 46) 2-Chloronaphthalene | 12.90 | 162 | 1367611 | 43.983 | ng | | 96 |
| 47) 2-Nitroaniline | 13.12 | 65 | 325823 | 29.620 | ng | # | 65 |
| 48) Acenaphthylene | 13.76 | 152 | 1668743 | 35.961 | ng | | 99 |
| 49) Dimethylphthalate | 13.52 | 163 | 1729190 | 41.416 | ng | # | 98 |
| 50) 2,6-Dinitrotoluene | 13.63 | 165 | 361693 | 42.840 | ng | # | 49 |
| 51) Acenaphthene | 14.11 | 154 | 1245992 | 43.365 | ng | | 99 |
| 52) 3-Nitroaniline | 13.96 | 138 | 182942 | 24.970 | ng | # | 36 |
| 53) 2,4-Dinitrophenol | 14.17 | 184 | 513114 | 85.514 | ng | # | 87 |
| 54) Dibenzofuran | 14.45 | 168 | 2254201 | 48.420 | ng | # | 91 |
| 55) 4-Nitrophenol | 14.29 | 139 | 470945 | 73.162 | ng | | 89 |
| 56) 2,4-Dinitrotoluene | 14.43 | 165 | 503894 | 42.513 | ng | # | 80 |
| 57) Fluorene | 15.10 | 166 | 1826231 | 45.054 | ng | | 97 |
| 58) 2,3,4,6-Tetrachlorophenol | 14.68 | 232 | 615882 | 50.266 | ng | # | 100 |
| 59) Diethylphthalate | 14.90 | 149 | 1827652 | 42.863 | ng | | 99 |
| 60) 4-Chlorophenyl-phenylether | 15.11 | 204 | 1126045 | 46.012 | ng | | 99 |
| 61) 4-Nitroaniline | 15.14 | 138 | 216435 | 27.812 | ng | # | 1 |
| 62) Azobenzene | 15.40 | 77 | 2154754 | 47.217 | ng | | 86 |
| 64) 4,6-Dinitro-2-methylphenol | 15.19 | 198 | 336755 | 41.086 | ng | | 94 |
| 65) n-Nitrosodiphenylamine | 15.33 | 169 | 406777 | 11.740 | ng | | 94 |
| 66) 4-Bromophenyl-phenylether | 16.00 | 248 | 727458 | 46.739 | ng | # | 89 |
| 67) Hexachlorobenzene | 16.11 | 284 | 763974 | 43.438 | ng | # | 87 |
| 69) Pentachlorophenol | 16.46 | 266 | 940384 | 84.219 | ng | | 96 |
| 70) Phenanthrene | 16.84 | 178 | 2908586 | 45.880 | ng | | 100 |
| 71) Anthracene | 16.93 | 178 | 2839174 | 44.905 | ng | | 98 |
| 72) Carbazole | 17.21 | 167 | 332710 | 6.017 | ng | | 98 |
| 73) Di-n-butylphthalate | 17.80 | 149 | 2853486 | 42.378 | ng | # | 97 |
| 74) Fluoranthene | 18.87 | 202 | 3299624 | 42.000 | ng | | 97 |
| 77) Pyrene | 19.24 | 202 | 3019258 | 43.694 | ng | | 99 |
| 79) Butylbenzylphthalate | 20.18 | 149 | 1046066 | 42.572 | ng | # | 69 |
| 80) Benzo(a)anthracene | 21.00 | 228 | 2995430 | 45.110 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 20.96 | 252 | 81800 | 3.140 | ng | | 96 |
| 82) Chrysene | 21.06 | 228 | 2879004 | 45.168 | ng | | 100 |
| 83) Bis(2-ethylhexyl)phthalate | 20.97 | 149 | 1567739 | 43.370 | ng | # | 96 |
| 84) Di-n-octyl phthalate | 21.82 | 149 | 2573399 | 43.863 | ng | | 99 |
| 85) Indeno(1,2,3-cd)pyrene | 25.21 | 276 | 2452395 | 37.150 | ng | | 96 |
| 87) Benzo(b)fluoranthene | 22.51 | 252 | 3053393 | 345.052 | ng | # | 92 |
| 88) Benzo(k)fluoranthene | 22.55 | 252 | 2602750 | 306.876 | ng | # | 96 |
| 89) Benzo(a)pyrene | 23.04 | 252 | 2081468 | 259.949 | ng | # | 95 |
| 90) Dibenzo(a,h)anthracene | 25.22 | 278 | 2724870 | 367.086 | ng | # | 91 |
| 91) Benzo(g,h,i)perylene | 25.84 | 276 | 2024838 | 277.794 | ng | # | 83 |

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

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