Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM040517\
Data File : BM009537.D
Acq On : 04 Apr 2017 19:39
Operator : SJ/MA
Sample : I2493-17MSD
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
LSS-SP05-COMPMSD

**Manual Integrations APPROVED**
UGO
4/5/2017 7:59:48 PM

Quant Time: Apr 05 04:44:22 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-BM032217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 31 12:10:26 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.85 | 152 | 113059 | 20.00 | ng | | -0.02 |
| 21) Naphthalene-d8 | 10.64 | 136 | 448194 | 20.00 | ng | | -0.02 |
| 38) Acenaphthene-d10 | 14.49 | 164 | 264868 | 20.00 | ng | | -0.02 |
| 63) Phenanthrene-d10 | 17.24 | 188 | 636968 | 20.00 | ng | | -0.01 |
| 75) Chrysene-d12 | 21.42 | 240 | 863302 | 20.00 | ng | | -0.01 |
| 86) Perylene-d12 | 23.74 | 264 | 728553 | 20.00 | ng | | -0.02 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.42 | 112 | 1055804 | 155.66 | ng | | -0.01 |
| 7) Phenol-d6 | 7.01 | 99 | 1411658 | 152.62 | ng | | -0.01 |
| 23) Nitrobenzene-d5 | 9.01 | 82 | 1171915 | 98.04 | ng | | -0.02 |
| 41) 2,4,6-Tribromophenol | 15.98 | 330 | 599461 | 182.18 | ng | | -0.02 |
| 44) 2-Fluorobiphenyl | 13.10 | 172 | 2211224 | 100.59 | ng | | -0.02 |
| 78) Terphenyl-d14 | 19.86 | 244 | 3654448 | 88.46 | ng | | -0.01 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.36 | 88 | 127677 | 37.43 | ng | # | 100 |
| 3) Pyridine | 3.76 | 79 | 419607 | 43.53 | ng | # | 80 |
| 4) n-Nitrosodimethylamine | 3.67 | 42 | 244753 | 47.70 | ng | # | 65 |
| 6) Aniline | 7.18 | 93 | 294492 | 23.43 | ng | | 91 |
| 8) 2-Chlorophenol | 7.41 | 128 | 381489 | 55.47 | ng | | 83 |
| 9) Benzaldehyde | 6.99 | 77 | 190402 | 26.15 | ng | | 85 |
| 10) Phenol | 7.03 | 94 | 505267 | 50.41 | ng | | 91 |
| 11) bis(2-Chloroethyl)ether | 7.27 | 93 | 413126 | 50.29 | ng | | 84 |
| 12) 1,3-Dichlorobenzene | 7.73 | 146 | 402534 | 48.89 | ng | # | 90 |
| 13) 1,4-Dichlorobenzene | 7.88 | 146 | 416973 | 49.01 | ng | | 97 |
| 14) 1,2-Dichlorobenzene | 8.19 | 146 | 402864 | 48.76 | ng | # | 91 |
| 15) Benzyl Alcohol | 8.09 | 79 | 431524 | 53.36 | ng | # | 88 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.37 | 45 | 686276 | 48.06 | ng | | 95 |
| 17) 2-Methylphenol | 8.28 | 107 | 357029 | 54.44 | ng | # | 86 |
| 18) Hexachloroethane | 8.92 | 117 | 175002 | 50.28 | ng | | 90 |
| 19) n-Nitroso-di-n-propylamine | 8.65 | 70 | 397861 | 53.36 | ng | # | 90 |
| 20) 3+4-Methylphenols | 8.61 | 107 | 480155 | 53.85 | ng | | 89 |
| 22) Acetophenone | 8.67 | 105 | 654457 | 51.77 | ng | # | 89 |
| 24) Nitrobenzene | 9.05 | 77 | 594324 | 50.75 | ng | | 92 |
| 25) Isophorone | 9.57 | 82 | 993364 | 54.47 | ng | # | 89 |
| 26) 2-Nitrophenol | 9.76 | 139 | 201509 | 57.05 | ng | # | 52 |
| 27) 2,4-Dimethylphenol | 9.81 | 122 | 369541 | 57.19 | ng | # | 84 |
| 28) bis(2-Chloroethoxy)methane | 10.05 | 93 | 568275 | 50.33 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 10.29 | 162 | 380131 | 56.28 | ng | | 92 |
| 30) 1,2,4-Trichlorobenzene | 10.50 | 180 | 429146 | 51.20 | ng | | 95 |
| 31) Naphthalene | 10.69 | 128 | 1199109 | 50.41 | ng | | 99 |
| 32) Benzoic acid | 9.93 | 122 | 182086 | 40.04 | ng | # | 73 |
| 33) 4-Chloroaniline | 10.81 | 127 | 49720 | 5.42 | ng | # | 77 |
| 34) Hexachlorobutadiene | 10.96 | 225 | 273342 | 47.63 | ng | | 96 |
| 35) Caprolactam | 11.59 | 113 | 100359m | 48.66 | ng | | |
| 36) 4-Chloro-3-methylphenol | 11.92 | 107 | 447568 | 58.56 | ng | # | 81 |
| 37) 2-Methylnaphthalene | 12.30 | 142 | 893276 | 54.40 | ng | # | 93 |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.67 | 216 | 492175 | 49.22 | ng | # | 100 |
| 40) Hexachlorocyclopentadiene | 12.64 | 237 | 596420 | 103.91 | ng | | 98 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 12.91 | 196 | 328478 | 57.45 | ng | | 98 |
| 43) 2,4,5-Trichlorophenol | 12.98 | 196 | 350831 | 54.99 | ng | # | 88 |
| 45) 1,1'-Biphenyl | 13.32 | 154 | 1177507 | 53.42 | ng | | 97 |
| 46) 2-Chloronaphthalene | 13.36 | 162 | 922951 | 53.90 | ng | | 94 |
| 47) 2-Nitroaniline | 13.57 | 65 | 377279 | 59.81 | ng | # | 72 |
| 48) Acenaphthylene | 14.21 | 152 | 1483909 | 53.21 | ng | | 99 |
| 49) Dimethylphthalate | 13.94 | 163 | 1158815 | 56.98 | ng | | 99 |
| 50) 2,6-Dinitrotoluene | 14.07 | 165 | 252714 | 57.67 | ng | # | 71 |
| 51) Acenaphthene | 14.55 | 154 | 892973 | 53.07 | ng | | 98 |
| 52) 3-Nitroaniline | 14.40 | 138 | 104089 | 24.11 | ng | # | 62 |
| 53) 2,4-Dinitrophenol | 14.61 | 184 | 325400 | 108.04 | ng | | 96 |
| 54) Dibenzofuran | 14.89 | 168 | 1456900 | 58.55 | ng | | 94 |
| 55) 4-Nitrophenol | 14.70 | 139 | 422394 | 118.36 | ng | # | 19 |
| 56) 2,4-Dinitrotoluene | 14.86 | 165 | 370057 | 62.41 | ng | | 96 |
| 57) Fluorene | 15.54 | 166 | 1209439 | 54.08 | ng | | 99 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.12 | 232 | 334229 | 61.94 | ng | # | 100 |
| 59) Diethylphthalate | 15.31 | 149 | 1204787 | 58.40 | ng | | 98 |
| 60) 4-Chlorophenyl-phenylether | 15.53 | 204 | 635584 | 54.42 | ng | | 100 |
| 61) 4-Nitroaniline | 15.57 | 138 | 255806 | 54.55 | ng | # | 31 |
| 62) Azobenzene | 15.82 | 77 | 1515987 | 62.95 | ng | | 85 |
| 64) 4,6-Dinitro-2-methylphenol | 15.62 | 198 | 215888 | 53.80 | ng | | 89 |
| 65) n-Nitrosodiphenylamine | 15.75 | 169 | 964067 | 49.83 | ng | | 99 |
| 66) 4-Bromophenyl-phenylether | 16.43 | 248 | 390722 | 52.94 | ng | # | 92 |
| 67) Hexachlorobenzene | 16.54 | 284 | 424750 | 52.51 | ng | # | 93 |
| 68) Atrazine | 16.69 | 200 | 165342 | 22.72 | ng | | 99 |
| 69) Pentachlorophenol | 16.89 | 266 | 511525 | 103.52 | ng | | 97 |
| 70) Phenanthrene | 17.28 | 178 | 1967523 | 54.02 | ng | | 99 |
| 71) Anthracene | 17.37 | 178 | 2003939 | 54.34 | ng | | 99 |
| 72) Carbazole | 17.64 | 167 | 1597318 | 45.23 | ng | | 98 |
| 73) Di-n-butylphthalate | 18.19 | 149 | 2099252 | 58.19 | ng | # | 98 |
| 74) Fluoranthene | 19.29 | 202 | 2436080 | 56.47 | ng | | 98 |
| 76) Benzidine | 19.49 | 184 | 83658 | 3.25 | ng | # | 95 |
| 77) Pyrene | 19.66 | 202 | 2523172 | 51.53 | ng | | 100 |
| 79) Butylbenzylphthalate | 20.54 | 149 | 1032342 | 58.55 | ng | # | 75 |
| 80) Benzo(a)anthracene | 21.40 | 228 | 2729809 | 54.14 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 21.33 | 252 | 202680 | 10.73 | ng | # | 96 |
| 82) Chrysene | 21.46 | 228 | 2449340 | 50.88 | ng | | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 21.31 | 149 | 1513105 | 57.51 | ng | | 98 |
| 84) Di-n-octyl phthalate | 22.21 | 149 | 2628363 | 60.03 | ng | # | 91 |
| 85) Indeno(1,2,3-cd)pyrene | 26.11 | 276 | 3010198 | 57.33 | ng | # | 100 |
| 87) Benzo(b)fluoranthene | 23.03 | 252 | 2747207 | 59.49 | ng | # | 95 |
| 88) Benzo(k)fluoranthene | 23.09 | 252 | 2719400 | 61.23 | ng | # | 98 |
| 89) Benzo(a)pyrene | 23.64 | 252 | 2607900 | 60.98 | ng | | 100 |
| 90) Dibenzo(a,h)anthracene | 26.11 | 278 | 2585973 | 61.73 | ng | # | 96 |
| 91) Benzo(g,h,i)perylene | 26.84 | 276 | 2409664 | 59.00 | ng | # | 92 |

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

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