Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM072017\
Data File : BM010915.D
Acq On : 20 Jul 2017 19:03
Operator : SJ/JU
Sample : I4248-03MSD
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
TP-3-COMP-(0-8)MSD

**Manual Integrations APPROVED**
Sohil
7/21/2017 1:28:39 PM

Quant Time: Jul 21 04:07:44 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-BM071217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 12 14:21:16 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.44 | 152 | 276157 | 20.00 | ng | | -0.01 |
| 21) Naphthalene-d8 | 10.20 | 136 | 1141153 | 20.00 | ng | | -0.01 |
| 38) Acenaphthene-d10 | 14.09 | 164 | 806128 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 16.84 | 188 | 2078780 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 21.06 | 240 | 2011901 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 23.19 | 264 | 1533891 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.08 | 112 | 2041298 | 122.44 | ng | | 0.00 |
| 7) Phenol-d6 | 6.64 | 99 | 2611769 | 113.64 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 8.59 | 82 | 2354957 | 79.32 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 15.59 | 330 | 1652882 | 134.17 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 12.70 | 172 | 5094751 | 78.62 | ng | | 0.00 |
| 78) Terphenyl-d14 | 19.50 | 244 | 8767817 | 84.29 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.10 | 88 | 228892 | 31.116 | ng | # | 100 |
| 3) Pyridine | 3.48 | 79 | 654156 | 32.533 | ng | | 89 |
| 4) n-Nitrosodimethylamine | 3.39 | 42 | 372482 | 36.246 | ng | # | 77 |
| 6) Aniline | 6.79 | 93 | 1011444 | 35.131 | ng | | 92 |
| 8) 2-Chlorophenol | 7.02 | 128 | 684816 | 41.489 | ng | | 90 |
| 9) Benzaldehyde | 6.60 | 77 | 285581 | 17.895 | ng | | 80 |
| 10) Phenol | 6.66 | 94 | 923702 | 38.013 | ng | | 96 |
| 11) bis(2-Chloroethyl)ether | 6.89 | 93 | 766636 | 40.964 | ng | | 96 |
| 12) 1,3-Dichlorobenzene | 7.33 | 146 | 704468 | 34.536 | ng | # | 83 |
| 13) 1,4-Dichlorobenzene | 7.47 | 146 | 744848 | 35.384 | ng | # | 92 |
| 14) 1,2-Dichlorobenzene | 7.78 | 146 | 727317 | 36.259 | ng | # | 91 |
| 15) Benzyl Alcohol | 7.69 | 79 | 981138 | 45.084 | ng | # | 83 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.97 | 45 | 681997 | 42.033 | ng | | 74 |
| 17) 2-Methylphenol | 7.89 | 107 | 689429 | 43.870 | ng | # | 83 |
| 18) Hexachloroethane | 8.50 | 117 | 315775 | 35.764 | ng | # | 78 |
| 19) n-Nitroso-di-n-propylamine | 8.25 | 70 | 775130 | 42.577 | ng | | 92 |
| 20) 3+4-Methylphenols | 8.22 | 107 | 949867 | 43.504 | ng | | 85 |
| 22) Acetophenone | 8.26 | 105 | 1335067 | 38.856 | ng | # | 95 |
| 24) Nitrobenzene | 8.63 | 77 | 1191923 | 39.174 | ng | | 90 |
| 25) Isophorone | 9.15 | 82 | 2079037 | 42.746 | ng | # | 87 |
| 26) 2-Nitrophenol | 9.33 | 139 | 418548 | 41.340 | ng | # | 34 |
| 27) 2,4-Dimethylphenol | 9.40 | 122 | 714077 | 39.517 | ng | # | 73 |
| 28) bis(2-Chloroethoxy)methane | 9.64 | 93 | 1135783 | 41.658 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 9.86 | 162 | 843404 | 41.318 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 10.07 | 180 | 929391 | 37.244 | ng | | 99 |
| 31) Naphthalene | 10.25 | 128 | 2305230 | 39.729 | ng | | 99 |
| 32) Benzoic acid | 9.56 | 122 | 506205 | 35.704 | ng | # | 65 |
| 33) 4-Chloroaniline | 10.37 | 127 | 341463 | 14.607 | ng | # | 82 |
| 34) Hexachlorobutadiene | 10.53 | 225 | 691804 | 35.728 | ng | | 100 |
| 35) Caprolactam | 11.17 | 113 | 208450m | 38.357 | ng | | |
| 36) 4-Chloro-3-methylphenol | 11.50 | 107 | 1040244 | 42.130 | ng | # | 74 |
| 37) 2-Methylnaphthalene | 11.87 | 142 | 1820083 | 43.672 | ng | # | 87 |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.25 | 216 | 1266525 | 36.044 | ng | # | 100 |
| 40) Hexachlorocyclopentadiene | 12.23 | 237 | 1741720 | 86.467 | ng | | 98 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 12.50 | 196 | 838163 | 38.738 | ng | | 100 |
| 43) 2,4,5-Trichlorophenol | 12.57 | 196 | 883277 | 41.349 | ng | # | 85 |
| 45) 1,1'-Biphenyl | 12.92 | 154 | 2556080 | 36.396 | ng | | 96 |
| 46) 2-Chloronaphthalene | 12.95 | 162 | 2022275 | 39.271 | ng | | 94 |
| 47) 2-Nitroaniline | 13.17 | 65 | 797961 | 47.138 | ng | # | 70 |
| 48) Acenaphthylene | 13.81 | 152 | 3125029 | 40.802 | ng | | 98 |
| 49) Dimethylphthalate | 13.57 | 163 | 2863909 | 41.760 | ng | # | 98 |
| 50) 2,6-Dinitrotoluene | 13.68 | 165 | 600845 | 44.666 | ng | # | 66 |
| 51) Acenaphthene | 14.16 | 154 | 1896297 | 40.519 | ng | | 98 |
| 52) 3-Nitroaniline | 14.01 | 138 | 460819 | 37.683 | ng | # | 48 |
| 53) 2,4-Dinitrophenol | 14.22 | 184 | 388632 | 41.793 | ng | # | 89 |
| 54) Dibenzofuran | 14.49 | 168 | 3336157 | 44.069 | ng | # | 89 |
| 55) 4-Nitrophenol | 14.33 | 139 | 800839 | 75.404 | ng | # | 1 |
| 56) 2,4-Dinitrotoluene | 14.47 | 165 | 884003 | 47.360 | ng | | 96 |
| 57) Fluorene | 15.14 | 166 | 2793491 | 42.926 | ng | | 96 |
| 58) 2,3,4,6-Tetrachlorophenol | 14.73 | 232 | 914798 | 46.089 | ng | # | 100 |
| 59) Diethylphthalate | 14.94 | 149 | 2993543 | 44.198 | ng | | 98 |
| 60) 4-Chlorophenyl-phenylether | 15.15 | 204 | 1666602 | 41.691 | ng | | 99 |
| 61) 4-Nitroaniline | 15.19 | 138 | 563908 | 44.118 | ng | # | 1 |
| 62) Azobenzene | 15.44 | 77 | 3377808 | 49.113 | ng | | 88 |
| 64) 4,6-Dinitro-2-methylphenol | 15.24 | 198 | 379216 | 27.664 | ng | | 93 |
| 65) n-Nitrosodiphenylamine | 15.37 | 169 | 2450164 | 41.192 | ng | | 98 |
| 66) 4-Bromophenyl-phenylether | 16.04 | 248 | 1103802 | 41.898 | ng | # | 88 |
| 67) Hexachlorobenzene | 16.16 | 284 | 1158453 | 38.455 | ng | # | 89 |
| 68) Atrazine | 16.34 | 200 | 1055625 | 42.853 | ng | | 98 |
| 69) Pentachlorophenol | 16.50 | 266 | 1422351 | 73.652 | ng | | 98 |
| 70) Phenanthrene | 16.89 | 178 | 4716717 | 43.615 | ng | | 98 |
| 71) Anthracene | 16.98 | 178 | 4713441 | 43.908 | ng | | 100 |
| 72) Carbazole | 17.26 | 167 | 3939716 | 41.671 | ng | | 99 |
| 73) Di-n-butylphthalate | 17.84 | 149 | 4940894 | 44.173 | ng | # | 96 |
| 74) Fluoranthene | 18.92 | 202 | 5788993 | 43.223 | ng | | 98 |
| 76) Benzidine | 19.12 | 184 | 2827362 | 52.515 | ng | | 99 |
| 77) Pyrene | 19.29 | 202 | 5720281 | 49.045 | ng | | 99 |
| 79) Butylbenzylphthalate | 20.22 | 149 | 2053452 | 50.288 | ng | # | 69 |
| 80) Benzo(a)anthracene | 21.04 | 228 | 5148019 | 44.159 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 20.99 | 252 | 1535969 | 33.508 | ng | # | 97 |
| 82) Chrysene | 21.10 | 228 | 4692791 | 42.268 | ng | | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 21.00 | 149 | 2768028 | 46.550 | ng | # | 98 |
| 84) Di-n-octyl phthalate | 21.86 | 149 | 4126406 | 42.354 | ng | | 99 |
| 85) Indeno(1,2,3-cd)pyrene | 25.30 | 276 | 4361251 | 34.257 | ng | # | 100 |
| 87) Benzo(b)fluoranthene | 22.56 | 252 | 4312421 | 44.260 | ng | # | 91 |
| 88) Benzo(k)fluoranthene | 22.60 | 252 | 4240740 | 45.568 | ng | # | 95 |
| 89) Benzo(a)pyrene | 23.10 | 252 | 4023597 | 45.369 | ng | # | 96 |
| 90) Dibenzo(a,h)anthracene | 25.31 | 278 | 3642486 | 42.317 | ng | # | 92 |
| 91) Benzo(g,h,i)perylene | 25.93 | 276 | 3519518 | 41.594 | ng | # | 85 |

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

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