Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051616\
Data File : BF087089.D
Acq On : 16 May 2016 18:55
Operator : UM/SJ
Sample : H3074-01MS
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** HSR-WC-44-051216MS

**Manual Integrations APPROVED**
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5/17/2016 7:15:51 PM

Quant Time: May 17 13:25:46 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 17 01:12:04 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.60 | 152 | 128855 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 7.90 | 136 | 501058 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 9.64 | 164 | 201505 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 11.12 | 188 | 321408 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 13.75 | 240 | 223730 | 20.00 | ng | | -0.01 |
| 86) Perylene-d12 | 15.11 | 264 | 209749 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.22 | 112 | 976386 | 128.33 | ng | | 0.02 |
| 7) Phenol-d6 | 6.28 | 99 | 1122108 | 110.35 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.19 | 82 | 919665 | 92.16 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.43 | 330 | 250075 | 117.23 | ng | | -0.01 |
| 44) 2-Fluorobiphenyl | 8.98 | 172 | 1368548 | 114.14 | ng | | 0.00 |
| 78) Terphenyl-d14 | 12.71 | 244 | 1003370 | 95.15 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.23 | 88 | 125174 | 33.51 | ng | # | 67 |
| 3) Pyridine | 2.88 | 79 | 209321m | 22.92 | ng | | |
| 4) n-Nitrosodimethylamine | 2.78 | 42 | 288817 | 43.61 | ng | # | 47 |
| 6) Aniline | 6.28 | 93 | 112602 | 9.16 | ng | # | 1 |
| 8) 2-Chlorophenol | 6.40 | 128 | 364833 | 39.74 | ng | # | 78 |
| 9) Benzaldehyde | 6.16 | 77 | 27991 | 4.75 | ng | | 97 |
| 10) Phenol | 6.30 | 94 | 438454 | 36.28 | ng | | 75 |
| 11) bis(2-Chloroethyl)ether | 6.35 | 93 | 376352 | 39.93 | ng | | 84 |
| 12) 1,3-Dichlorobenzene | 6.55 | 146 | 388546 | 39.11 | ng | | 97 |
| 13) 1,4-Dichlorobenzene | 6.63 | 146 | 399200 | 39.40 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 6.78 | 146 | 341787 | 38.70 | ng | | 95 |
| 15) Benzyl Alcohol | 6.78 | 79 | 342455 | 48.77 | ng | | 92 |
| 16) 2,2'-oxybis(1-Chloropropan | 6.90 | 45 | 800826 | 39.08 | ng | | 70 |
| 17) 2-Methylphenol | 6.90 | 107 | 302789m | 41.45 | ng | | |
| 18) Hexachloroethane | 7.12 | 117 | 118180 | 31.00 | ng | # | 81 |
| 19) n-Nitroso-di-n-propylamine | 7.04 | 70 | 288076m | 40.54 | ng | | |
| 20) 3+4-Methylphenols | 7.06 | 107 | 410989 | 43.07 | ng | # | 60 |
| 22) Acetophenone | 7.03 | 105 | 536769 | 45.35 | ng | # | 94 |
| 24) Nitrobenzene | 7.20 | 77 | 407409 | 39.69 | ng | | 92 |
| 25) Isophorone | 7.45 | 82 | 784018 | 42.35 | ng | | 94 |
| 26) 2-Nitrophenol | 7.52 | 139 | 161451 | 35.78 | ng | # | 72 |
| 27) 2,4-Dimethylphenol | 7.58 | 122 | 317490 | 41.31 | ng | # | 85 |
| 28) bis(2-Chloroethoxy)methane | 7.67 | 93 | 461969 | 46.26 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 7.78 | 162 | 287783 | 42.54 | ng | | 94 |
| 30) 1,2,4-Trichlorobenzene | 7.84 | 180 | 300643 | 39.75 | ng | | 95 |
| 31) Naphthalene | 7.92 | 128 | 1075309 | 42.85 | ng | | 99 |
| 32) Benzoic acid | 7.74 | 122 | 171425 | 37.97 | ng | # | 80 |
| 33) 4-Chloroaniline | 7.99 | 127 | 75903 | 7.78 | ng | # | 92 |
| 34) Hexachlorobutadiene | 8.03 | 225 | 170866 | 38.93 | ng | | 99 |
| 35) Caprolactam | 8.36 | 113 | 72028 | 31.29 | ng | # | 46 |
| 36) 4-Chloro-3-methylphenol | 8.49 | 107 | 322213 | 39.27 | ng | | 88 |
| 37) 2-Methylnaphthalene | 8.60 | 142 | 645104 | 43.97 | ng | # | 97 |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.78 | 216 | 274495 | 46.85 | ng | | 99 |
| 40) Hexachlorocyclopentadiene | 8.75 | 237 | 37398 | 13.45 | ng | | 93 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 8.90 | 196 | 182541 | 46.59 | ng | | 96 |
| 43) 2,4,5-Trichlorophenol | 8.96 | 196 | 167614 | 41.37 | ng | | 95 |
| 45) 1,1'-Biphenyl | 9.07 | 154 | 740668 | 46.21 | ng | | 96 |
| 46) 2-Chloronaphthalene | 9.10 | 162 | 549592 | 43.77 | ng | | 93 |
| 47) 2-Nitroaniline | 9.21 | 65 | 261307 | 56.94 | ng | # | 83 |
| 48) Acenaphthylene | 9.51 | 152 | 844037 | 45.70 | ng | | 99 |
| 49) Dimethylphthalate | 9.38 | 163 | 685443 | 44.59 | ng | | 99 |
| 50) 2,6-Dinitrotoluene | 9.45 | 165 | 140308 | 43.37 | ng | | 95 |
| 51) Acenaphthene | 9.68 | 154 | 548413 | 47.73 | ng | | 98 |
| 52) 3-Nitroaniline | 9.62 | 138 | 78273 | 22.98 | ng | | 97 |
| 53) 2,4-Dinitrophenol | 9.74 | 184 | 21788 | 19.60 | ng | # | 74 |
| 54) Dibenzofuran | 9.85 | 168 | 740885 | 50.23 | ng | | 95 |
| 55) 4-Nitrophenol | 9.82 | 139 | 119265m | 54.08 | ng | | |
| 56) 2,4-Dinitrotoluene | 9.85 | 165 | 138058 | 34.48 | ng | # | 37 |
| 57) Fluorene | 10.19 | 166 | 611390 | 48.61 | ng | | 99 |
| 58) 2,3,4,6-Tetrachlorophenol | 9.99 | 232 | 133771 | 43.86 | ng | | 97 |
| 59) Diethylphthalate | 10.08 | 149 | 643193 | 42.93 | ng | | 99 |
| 60) 4-Chlorophenyl-phenylether | 10.19 | 204 | 264572 | 49.58 | ng | # | 76 |
| 61) 4-Nitroaniline | 10.24 | 138 | 149267 | 45.63 | ng | | 89 |
| 62) Azobenzene | 10.34 | 77 | 703414 | 43.52 | ng | | 82 |
| 64) 4,6-Dinitro-2-methylphenol | 10.26 | 198 | 18624 | 9.33 | ng | # | 23 |
| 65) n-Nitrosodiphenylamine | 10.31 | 169 | 486685 | 49.29 | ng | | 100 |
| 66) 4-Bromophenyl-phenylether | 10.67 | 248 | 159668 | 49.00 | ng | | 97 |
| 67) Hexachlorobenzene | 10.74 | 284 | 172759 | 45.36 | ng | | 99 |
| 68) Atrazine | 10.84 | 200 | 131145 | 39.76 | ng | | 95 |
| 69) Pentachlorophenol | 10.95 | 266 | 148054 | 84.12 | ng | | 98 |
| 70) Phenanthrene | 11.14 | 178 | 753921 | 43.95 | ng | | 100 |
| 71) Anthracene | 11.20 | 178 | 817774 | 46.62 | ng | | 99 |
| 72) Carbazole | 11.36 | 167 | 669040 | 44.37 | ng | | 98 |
| 73) Di-n-butylphthalate | 11.70 | 149 | 952514 | 51.72 | ng | | 98 |
| 74) Fluoranthene | 12.33 | 202 | 808325 | 45.82 | ng | | 94 |
| 76) Benzidine | 12.47 | 184 | 225692 | 39.57 | ng | | 96 |
| 77) Pyrene | 12.56 | 202 | 789961 | 46.12 | ng | | 99 |
| 79) Butylbenzylphthalate | 13.19 | 149 | 364430 | 50.30 | ng | | 90 |
| 80) Benzo(a)anthracene | 13.74 | 228 | 622918 | 49.60 | ng | | 100 |
| 81) 3,3'-Dichlorobenzidine | 13.71 | 252 | 201171 | 25.21 | ng | # | 97 |
| 82) Chrysene | 13.78 | 228 | 632448 | 49.50 | ng | | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 13.75 | 149 | 490722 | 56.31 | ng | | 98 |
| 84) Di-n-octyl phthalate | 14.35 | 149 | 829382 | 57.45 | ng | # | 83 |
| 85) Indeno(1,2,3-cd)pyrene | 16.37 | 276 | 522441 | 49.15 | ng | | 96 |
| 87) Benzo(b)fluoranthene | 14.74 | 252 | 568623m | 41.71 | ng | | |
| 88) Benzo(k)fluoranthene | 14.77 | 252 | 538706m | 48.26 | ng | | |
| 89) Benzo(a)pyrene | 15.06 | 252 | 544432 | 46.30 | ng | | 97 |
| 90) Dibenzo(a,h)anthracene | 16.38 | 278 | 450196 | 45.43 | ng | # | 93 |
| 91) Benzo(g,h,i)perylene | 16.73 | 276 | 420021 | 41.71 | ng | | 95 |

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

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