Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080916\
Data File : BF089698.D
Acq On : 9 Aug 2016 20:30
Operator : UM/SJ
Sample : PB92711BS
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB92711BS

Manual Integrations APPROVED
sohil
8/10/2016 9:23:10 AM

Quant Time: Aug 10 02:08:46 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF080416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 05 01:39:23 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.42 | 152 | 46259 | 20.00 | ng | | -0.03 |
| 21) Naphthalene-d8 | 9.45 | 136 | 199366 | 20.00 | ng | | -0.02 |
| 38) Acenaphthene-d10 | 12.26 | 164 | 90423 | 20.00 | ng | | -0.03 |
| 63) Phenanthrene-d10 | 14.66 | 188 | 167052 | 20.00 | ng | | -0.03 |
| 75) Chrysene-d12 | 18.37 | 240 | 101826 | 20.00 | ng | | -0.02 |
| 86) Perylene-d12 | 20.02 | 264 | 95421 | 20.00 | ng | | -0.02 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.34 | 112 | 337252 | 122.19 | ng | | 0.02 |
| 7) Phenol-d6 | 6.99 | 99 | 439340 | 117.34 | ng | | 0.01 |
| 23) Nitrobenzene-d5 | 8.33 | 82 | 282525 | 78.38 | ng | | -0.03 |
| 41) 2,4,6-Tribromophenol | 13.57 | 330 | 81273 | 108.91 | ng | | -0.02 |
| 44) 2-Fluorobiphenyl | 11.22 | 172 | 519548 | 74.67 | ng | | -0.03 |
| 78) Terphenyl-d14 | 17.03 | 244 | 402384 | 78.01 | ng | | -0.02 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 1.80 | 88 | 44864 | 28.36 | ng | # | 77 |
| 3) Pyridine | 2.36 | 79 | 114731 | 39.46 | ng | | 98 |
| 4) n-Nitrosodimethylamine | 2.33 | 42 | 49106 | 39.83 | ng | | 100 |
| 6) Aniline | 6.91 | 93 | 82499 | 17.00 | ng | | 99 |
| 8) 2-Chlorophenol | 7.11 | 128 | 138056 | 40.74 | ng | | 99 |
| 9) Benzaldehyde | 6.72 | 77 | 44594m | 32.83 | ng | | |
| 10) Phenol | 7.00 | 94 | 163119 | 42.44 | ng | | 98 |
| 11) bis(2-Chloroethyl)ether | 7.06 | 93 | 134156 | 40.62 | ng | | 99 |
| 12) 1,3-Dichlorobenzene | 7.31 | 146 | 134083 | 36.43 | ng | | 96 |
| 13) 1,4-Dichlorobenzene | 7.44 | 146 | 137444 | 37.45 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 7.68 | 146 | 141949 | 36.69 | ng | | 96 |
| 15) Benzyl Alcohol | 7.71 | 79 | 109493 | 44.60 | ng | | 98 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.92 | 45 | 154843 | 36.82 | ng | # | 52 |
| 17) 2-Methylphenol | 7.95 | 107 | 108663 | 44.40 | ng | # | 87 |
| 18) Hexachloroethane | 8.19 | 117 | 55563 | 35.92 | ng | | 95 |
| 19) n-Nitroso-di-n-propylamine | 8.15 | 70 | 105001 | 38.82 | ng | | 96 |
| 20) 3+4-Methylphenols | 8.22 | 107 | 137147 | 44.40 | ng | | 96 |
| 22) Acetophenone | 8.10 | 105 | 165656 | 34.85 | ng | | 99 |
| 24) Nitrobenzene | 8.36 | 77 | 139596 | 40.78 | ng | | 91 |
| 25) Isophorone | 8.76 | 82 | 275519 | 39.92 | ng | | 98 |
| 26) 2-Nitrophenol | 8.87 | 139 | 64419 | 41.00 | ng | | 94 |
| 27) 2,4-Dimethylphenol | 9.03 | 122 | 119674 | 42.37 | ng | | 95 |
| 28) bis(2-Chloroethoxy)methane | 9.14 | 93 | 166345 | 39.84 | ng | | 97 |
| 29) 2,4-Dichlorophenol | 9.30 | 162 | 105006 | 39.29 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 9.37 | 180 | 116082 | 38.03 | ng | | 98 |
| 31) Naphthalene | 9.48 | 128 | 399008 | 37.65 | ng | | 100 |
| 32) Benzoic acid | 9.34 | 122 | 32665 | 18.41 | ng | | 99 |
| 33) 4-Chloroaniline | 9.63 | 127 | 49534 | 12.45 | ng | | 95 |
| 34) Hexachlorobutadiene | 9.70 | 225 | 62214 | 35.39 | ng | | 98 |
| 35) Caprolactam | 10.26 | 113 | 33895m | 43.51 | ng | | |
| 36) 4-Chloro-3-methylphenol | 10.50 | 107 | 116154 | 37.39 | ng | | 98 |
| 37) 2-Methylnaphthalene | 10.60 | 142 | 257319 | 39.49 | ng | | 98 |
| 39) 1,2,4,5-Tetrachlorobenzene | 10.88 | 216 | 99204 | 29.19 | ng | | 100 |
| 40) Hexachlorocyclopentadiene | 10.86 | 237 | 55006 | 50.53 | ng | | 99 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 11.11 | 196 | 68812 | 41.05 | ng | | 99 |
| 43) 2,4,5-Trichlorophenol | 11.20 | 196 | 67838 | 37.87 | ng | | 97 |
| 45) 1,1'-Biphenyl | 11.37 | 154 | 274033 | 33.60 | ng | | 99 |
| 46) 2-Chloronaphthalene | 11.38 | 162 | 236013 | 38.60 | ng | | 99 |
| 47) 2-Nitroaniline | 11.60 | 65 | 74643 | 37.88 | ng | | 96 |
| 48) Acenaphthylene | 12.03 | 152 | 378860 | 37.62 | ng | | 100 |
| 49) Dimethylphthalate | 11.93 | 163 | 288392 | 40.69 | ng | | 99 |
| 50) 2,6-Dinitrotoluene | 12.01 | 165 | 60456 | 42.90 | ng | # | 78 |
| 51) Acenaphthene | 12.32 | 154 | 221175 | 38.02 | ng | | 99 |
| 52) 3-Nitroaniline | 12.29 | 138 | 44066 | 26.15 | ng | | 99 |
| 53) 2,4-Dinitrophenol | 12.51 | 184 | 11826 | 28.03 | ng | # | 79 |
| 54) Dibenzofuran | 12.61 | 168 | 339141 | 42.41 | ng | | 99 |
| 55) 4-Nitrophenol | 12.70 | 139 | 48019m | 49.34 | ng | | |
| 56) 2,4-Dinitrotoluene | 12.67 | 165 | 82210 | 41.48 | ng | # | 83 |
| 57) Fluorene | 13.15 | 166 | 271651 | 39.74 | ng | | 99 |
| 58) 2,3,4,6-Tetrachlorophenol | 12.85 | 232 | 51470 | 37.84 | ng | | 100 |
| 59) Diethylphthalate | 13.07 | 149 | 290334 | 39.61 | ng | | 98 |
| 60) 4-Chlorophenyl-phenylether | 13.19 | 204 | 120904 | 38.57 | ng | | 97 |
| 61) 4-Nitroaniline | 13.28 | 138 | 52203 | 34.45 | ng | | 91 |
| 62) Azobenzene | 13.45 | 77 | 317723 | 44.82 | ng | | 98 |
| 64) 4,6-Dinitro-2-methylphenol | 13.34 | 198 | 18403 | 21.35 | ng | | 98 |
| 65) n-Nitrosodiphenylamine | 13.41 | 169 | 229484 | 40.67 | ng | | 99 |
| 66) 4-Bromophenyl-phenylether | 13.98 | 248 | 66843 | 41.37 | ng | | 95 |
| 67) Hexachlorobenzene | 14.05 | 284 | 66437 | 37.38 | ng | # | 82 |
| 68) Atrazine | 14.33 | 200 | 71329 | 45.28 | ng | | 97 |
| 69) Pentachlorophenol | 14.41 | 266 | 33398 | 45.75 | ng | | 99 |
| 70) Phenanthrene | 14.70 | 178 | 368914 | 40.61 | ng | | 99 |
| 71) Anthracene | 14.79 | 178 | 391349 | 40.18 | ng | | 99 |
| 72) Carbazole | 15.07 | 167 | 329403 | 40.58 | ng | | 99 |
| 73) Di-n-butylphthalate | 15.67 | 149 | 449063 | 40.91 | ng | | 99 |
| 74) Fluoranthene | 16.47 | 202 | 368097 | 39.42 | ng | | 98 |
| 76) Benzidine | 16.71 | 184 | 70252 | 22.76 | ng | | 99 |
| 77) Pyrene | 16.77 | 202 | 339350 | 37.70 | ng | | 98 |
| 79) Butylbenzylphthalate | 17.70 | 149 | 173216 | 45.21 | ng | | 98 |
| 80) Benzo(a)anthracene | 18.35 | 228 | 241223 | 41.23 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 18.34 | 252 | 57419 | 31.15 | ng | | 97 |
| 82) Chrysene | 18.40 | 228 | 244345 | 39.81 | ng | | 98 |
| 83) Bis(2-ethylhexyl)phthalate | 18.45 | 149 | 227400 | 42.87 | ng | | 100 |
| 84) Di-n-octyl phthalate | 19.22 | 149 | 343232 | 44.97 | ng | | 98 |
| 85) Indeno(1,2,3-cd)pyrene | 21.20 | 276 | 259515 | 55.68 | ng | | 99 |
| 87) Benzo(b)fluoranthene | 19.62 | 252 | 199756m | 34.04 | ng | | |
| 88) Benzo(k)fluoranthene | 19.66 | 252 | 235602m | 39.79 | ng | | |
| 89) Benzo(a)pyrene | 19.98 | 252 | 221520 | 40.31 | ng | | 98 |
| 90) Dibenzo(a,h)anthracene | 21.21 | 278 | 215296 | 41.94 | ng | | 97 |
| 91) Benzo(g,h,i)perylene | 21.54 | 276 | 220754 | 42.01 | ng | | 95 |

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

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