Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062116\
Data File : BF088233.D
Acq On : 22 Jun 2016 1:06
Operator : UM/SJ
Sample : PB91471BS
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB91471BS

Manual Integrations APPROVED
sohil
6/22/2016 6:08:02 PM

Quant Time: Jun 22 01:43:05 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 22 01:34:10 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.65 | 152 | 86251 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 7.94 | 136 | 334118 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 9.69 | 164 | 157742 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 11.16 | 188 | 290521 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 13.79 | 240 | 207937 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 15.17 | 264 | 177178 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.26 | 112 | 641088 | 127.07 | ng | | 0.01 |
| 7) Phenol-d6 | 6.31 | 99 | 748713 | 122.45 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.22 | 82 | 447746 | 78.25 | ng | | -0.01 |
| 41) 2,4,6-Tribromophenol | 10.48 | 330 | 170235 | 102.21 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 9.02 | 172 | 824795 | 81.94 | ng | | 0.00 |
| 78) Terphenyl-d14 | 12.75 | 244 | 796378 | 87.15 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.19 | 88 | 77820 | 31.74 | ng | # | 34 |
| 3) Pyridine | 2.84 | 79 | 221824 | 38.32 | ng | | 91 |
| 4) n-Nitrosodimethylamine | 2.80 | 42 | 91087 | 37.16 | ng | | 79 |
| 6) Aniline | 6.32 | 93 | 144834 | 16.64 | ng | # | 1 |
| 8) 2-Chlorophenol | 6.44 | 128 | 247956 | 41.52 | ng | | 82 |
| 10) Phenol | 6.33 | 94 | 245441 | 38.52 | ng | | 97 |
| 11) bis(2-Chloroethyl)ether | 6.40 | 93 | 238545 | 44.49 | ng | | 87 |
| 12) 1,3-Dichlorobenzene | 6.59 | 146 | 254308m | 39.69 | ng | | |
| 13) 1,4-Dichlorobenzene | 6.67 | 146 | 255083 | 39.52 | ng | | 96 |
| 14) 1,2-Dichlorobenzene | 6.82 | 146 | 248324m | 42.31 | ng | | |
| 15) Benzyl Alcohol | 6.81 | 79 | 174389 | 36.46 | ng | | 97 |
| 16) 2,2'-oxybis(1-Chloropropan | 6.94 | 45 | 248773 | 34.34 | ng | # | 1 |
| 17) 2-Methylphenol | 6.94 | 107 | 197821 | 40.85 | ng | | 95 |
| 18) Hexachloroethane | 7.15 | 117 | 90419 | 39.48 | ng | # | 82 |
| 19) n-Nitroso-di-n-propylamine | 7.08 | 70 | 153200 | 39.17 | ng | # | 77 |
| 20) 3+4-Methylphenols | 7.08 | 107 | 258592 | 45.76 | ng | # | 83 |
| 22) Acetophenone | 7.07 | 105 | 331985 | 44.46 | ng | | 97 |
| 24) Nitrobenzene | 7.24 | 77 | 259267 | 46.78 | ng | | 96 |
| 25) Isophorone | 7.48 | 82 | 443811 | 41.88 | ng | | 98 |
| 26) 2-Nitrophenol | 7.56 | 139 | 137874 | 46.44 | ng | # | 73 |
| 27) 2,4-Dimethylphenol | 7.61 | 122 | 227507 | 41.62 | ng | | 93 |
| 28) bis(2-Chloroethoxy)methane | 7.70 | 93 | 304435 | 46.31 | ng | | 97 |
| 29) 2,4-Dichlorophenol | 7.80 | 162 | 201939 | 44.24 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 7.88 | 180 | 213014 | 42.86 | ng | | 98 |
| 31) Naphthalene | 7.95 | 128 | 687824 | 41.60 | ng | | 99 |
| 32) Benzoic acid | 7.77 | 122 | 117083 | 38.90 | ng | | 94 |
| 33) 4-Chloroaniline | 8.02 | 127 | 85155 | 11.53 | ng | # | 92 |
| 34) Hexachlorobutadiene | 8.08 | 225 | 111416 | 42.51 | ng | | 100 |
| 35) Caprolactam | 8.40 | 113 | 66212m | 43.80 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.52 | 107 | 221957 | 45.47 | ng | | 91 |
| 37) 2-Methylnaphthalene | 8.65 | 142 | 468721 | 43.01 | ng | | 98 |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.82 | 216 | 195902 | 49.32 | ng | # | 1 |
| 40) Hexachlorocyclopentadiene | 8.80 | 237 | 112471 | 44.20 | ng | | 99 |
| 42) 2,4,6-Trichlorophenol | 8.94 | 196 | 129051 | 40.91 | ng | | 96 |

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|---|---|---|---|---|---|---|---|
| 43) 2,4,5-Trichlorophenol | 8.99 | 196 | 126785 | 38.63 | ng | | 97 |
| 45) 1,1'-Biphenyl | 9.12 | 154 | 580700 | 49.69 | ng | | 96 |
| 46) 2-Chloronaphthalene | 9.14 | 162 | 450176 | 44.10 | ng | | 94 |
| 47) 2-Nitroaniline | 9.24 | 65 | 126043 | 41.86 | ng | # | 82 |
| 48) Acenaphthylene | 9.55 | 152 | 707188 | 43.56 | ng | | 99 |
| 49) Dimethylphthalate | 9.43 | 163 | 513668 | 44.95 | ng | | 100 |
| 50) 2,6-Dinitrotoluene | 9.48 | 165 | 112802 | 43.11 | ng | # | 62 |
| 51) Acenaphthene | 9.72 | 154 | 418939 | 41.36 | ng | | 99 |
| 52) 3-Nitroaniline | 9.66 | 138 | 59466 | 19.69 | ng | | 88 |
| 53) 2,4-Dinitrophenol | 9.77 | 184 | 98974 | 71.10 | ng | | 98 |
| 54) Dibenzofuran | 9.90 | 168 | 573121 | 41.09 | ng | # | 91 |
| 55) 4-Nitrophenol | 9.85 | 139 | 135980 | 58.02 | ng | # | 76 |
| 56) 2,4-Dinitrotoluene | 9.90 | 165 | 141760 | 42.15 | ng | # | 63 |
| 57) Fluorene | 10.24 | 166 | 478467 | 51.45 | ng | | 98 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.02 | 232 | 113604 | 44.05 | ng | # | 58 |
| 59) Diethylphthalate | 10.12 | 149 | 494950 | 42.79 | ng | | 99 |
| 60) 4-Chlorophenyl-phenylether | 10.23 | 204 | 186750 | 40.26 | ng | | 95 |
| 61) 4-Nitroaniline | 10.27 | 138 | 109864 | 38.36 | ng | | 97 |
| 62) Azobenzene | 10.39 | 77 | 497841 | 43.53 | ng | | 95 |
| 64) 4,6-Dinitro-2-methylphenol | 10.31 | 198 | 78152 | 43.31 | ng | # | 64 |
| 65) n-Nitrosodiphenylamine | 10.35 | 169 | 410167 | 42.55 | ng | | 99 |
| 66) 4-Bromophenyl-phenylether | 10.72 | 248 | 136609 | 43.83 | ng | | 97 |
| 67) Hexachlorobenzene | 10.78 | 284 | 133000 | 41.07 | ng | | 92 |
| 68) Atrazine | 10.89 | 200 | 122552 | 41.98 | ng | | 98 |
| 69) Pentachlorophenol | 10.98 | 266 | 106503 | 62.39 | ng | | 97 |
| 70) Phenanthrene | 11.19 | 178 | 659615 | 43.27 | ng | | 99 |
| 71) Anthracene | 11.24 | 178 | 683393 | 44.44 | ng | | 99 |
| 72) Carbazole | 11.40 | 167 | 671367 | 46.65 | ng | | 99 |
| 73) Di-n-butylphthalate | 11.74 | 149 | 773011 | 42.43 | ng | | 99 |
| 74) Fluoranthene | 12.38 | 202 | 713058 | 44.32 | ng | | 95 |
| 76) Benzidine | 12.50 | 184 | 208088 | 36.14 | ng | | 98 |
| 77) Pyrene | 12.59 | 202 | 686862 | 44.51 | ng | | 99 |
| 79) Butylbenzylphthalate | 13.22 | 149 | 325187 | 47.67 | ng | | 89 |
| 80) Benzo(a)anthracene | 13.78 | 228 | 493415 | 41.64 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 13.75 | 252 | 108415 | 34.02 | ng | # | 94 |
| 82) Chrysene | 13.82 | 228 | 550918 | 49.42 | ng | | 98 |
| 83) Bis(2-ethylhexyl)phthalate | 13.78 | 149 | 383474 | 46.18 | ng | | 99 |
| 84) Di-n-octyl phthalate | 14.39 | 149 | 703107 | 52.10 | ng | # | 100 |
| 85) Indeno(1,2,3-cd)pyrene | 16.46 | 276 | 463111 | 44.71 | ng | # | 100 |
| 87) Benzo(b)fluoranthene | 14.79 | 252 | 449456m | 36.40 | ng | | |
| 88) Benzo(k)fluoranthene | 14.82 | 252 | 477798m | 51.29 | ng | | |
| 89) Benzo(a)pyrene | 15.11 | 252 | 445323 | 44.57 | ng | | 99 |
| 90) Dibenzo(a,h)anthracene | 16.46 | 278 | 383796 | 41.36 | ng | | 99 |
| 91) Benzo(g,h,i)perylene | 16.83 | 276 | 406711 | 42.61 | ng | | 98 |

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

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