Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122116\
Data File : BF091835.D
Acq On : 21 Dec 2016 15:00
Operator : UM/SJ
Sample : SSTDICC080
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED
sohil
12/22/2016 7:08:38 PM

Quant Time: Dec 21 16:04:21 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF122116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 21 14:14:16 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.75 | 152 | 277045 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.04 | 136 | 1136252 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 9.79 | 164 | 574846 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 11.28 | 188 | 920300 | 20.00 | ng | | 0.01 |
| 75) Chrysene-d12 | 13.91 | 240 | 527377 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 15.30 | 264 | 531996 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.36 | 112 | 2259588 | 136.65 | ng | | 0.01 |
| 7) Phenol-d6 | 6.42 | 99 | 2714748 | 134.61 | ng | | 0.01 |
| 23) Nitrobenzene-d5 | 7.33 | 82 | 2648095 | 134.40 | ng | | 0.01 |
| 41) 2,4,6-Tribromophenol | 10.59 | 330 | 669628 | 137.37 | ng | | 0.01 |
| 44) 2-Fluorobiphenyl | 9.13 | 172 | 4125551 | 144.18 | ng | | 0.01 |
| 78) Terphenyl-d14 | 12.86 | 244 | 3354390 | 160.60 | ng | | 0.01 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.29 | 88 | 617873 | 75.87 | ng | | 99 |
| 3) Pyridine | 2.99 | 79 | 2228626 | 84.95 | ng | | 96 |
| 4) n-Nitrosodimethylamine | 2.97 | 42 | 863676 | 85.06 | ng | | 98 |
| 6) Aniline | 6.43 | 93 | 1753218 | 67.56 | ng | | 94 |
| 8) 2-Chlorophenol | 6.54 | 128 | 1212047 | 66.59 | ng | | 97 |
| 10) Phenol | 6.43 | 94 | 1589438 | 69.92 | ng | | 98 |
| 11) bis(2-Chloroethyl)ether | 6.50 | 93 | 1244388 | 68.54 | ng | | 99 |
| 12) 1,3-Dichlorobenzene | 6.69 | 146 | 1323125m | 66.19 | ng | | |
| 13) 1,4-Dichlorobenzene | 6.77 | 146 | 1400475 | 69.24 | ng | | 98 |
| 15) Benzyl Alcohol | 6.91 | 79 | 1030726 | 66.01 | ng | | 98 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.05 | 45 | 1940582 | 69.95 | ng | | 94 |
| 17) 2-Methylphenol | 7.04 | 107 | 1070035 | 70.35 | ng | # | 87 |
| 18) Hexachloroethane | 7.26 | 117 | 534038 | 71.07 | ng | | 91 |
| 19) n-Nitroso-di-n-propylamine | 7.20 | 70 | 881200 | 65.69 | ng | | 98 |
| 20) 3+4-Methylphenols | 7.20 | 107 | 1289090 | 75.98 | ng | # | 71 |
| 22) Acetophenone | 7.18 | 105 | 1943030 | 70.82 | ng | | 98 |
| 24) Nitrobenzene | 7.36 | 77 | 1627249 | 76.91 | ng | # | 85 |
| 25) Isophorone | 7.60 | 82 | 2745700 | 73.04 | ng | | 98 |
| 26) 2-Nitrophenol | 7.66 | 139 | 811167 | 79.47 | ng | | 93 |
| 27) 2,4-Dimethylphenol | 7.71 | 122 | 1157617 | 69.52 | ng | | 99 |
| 28) bis(2-Chloroethoxy)methane | 7.80 | 93 | 1480087 | 67.29 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 7.92 | 162 | 1069117 | 69.62 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 7.98 | 180 | 1073188 | 64.48 | ng | # | 96 |
| 31) Naphthalene | 8.06 | 128 | 3263942 | 60.13 | ng | | 98 |
| 32) Benzoic acid | 7.89 | 122 | 1006183 | 84.79 | ng | | 99 |
| 33) 4-Chloroaniline | 8.12 | 127 | 1649605 | 72.14 | ng | | 99 |
| 34) Hexachlorobutadiene | 8.18 | 225 | 595619 | 63.65 | ng | | 99 |
| 35) Caprolactam | 8.53 | 113 | 374715m | 75.83 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.62 | 107 | 1250384 | 73.81 | ng | | 88 |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.92 | 216 | 896685 | 62.58 | ng | # | 97 |
| 42) 2,4,6-Trichlorophenol | 9.04 | 196 | 705733 | 68.93 | ng | | 97 |
| 43) 2,4,5-Trichlorophenol | 9.08 | 196 | 700789 | 69.68 | ng | | 97 |
| 45) 1,1'-Biphenyl | 9.22 | 154 | 2536507 | 61.56 | ng | | 97 |
| 46) 2-Chloronaphthalene | 9.24 | 162 | 1981634 | 64.36 | ng | | 94 |

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|---|---|---|---|---|---|---|---|
| 47) 2-Nitroaniline | 9.34 | 65 | 715745 | 68.08 | ng | | 99 |
| 48) Acenaphthylene | 9.66 | 152 | 3347337 | 70.16 | ng | | 100 |
| 49) Dimethylphthalate | 9.54 | 163 | 2588048 | 68.92 | ng | | 98 |
| 50) 2,6-Dinitrotoluene | 9.60 | 165 | 580892 | 70.56 | ng | # | 81 |
| 51) Acenaphthene | 9.84 | 154 | 2272970 | 69.42 | ng | | 99 |
| 52) 3-Nitroaniline | 9.77 | 138 | 746472 | 72.83 | ng | | 95 |
| 53) 2,4-Dinitrophenol | 9.87 | 184 | 387327 | 87.09 | ng | # | 78 |
| 55) 4-Nitrophenol | 9.94 | 139 | 473272 | 66.49 | ng | | 98 |
| 56) 2,4-Dinitrotoluene | 10.00 | 165 | 600947 | 58.43 | ng | # | 77 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.12 | 232 | 513943 | 61.81 | ng | | 96 |
| 59) Diethylphthalate | 10.22 | 149 | 2291689 | 62.09 | ng | | 99 |
| 60) 4-Chlorophenyl-phenylether | 10.34 | 204 | 975444 | 70.81 | ng | | 91 |
| 61) 4-Nitroaniline | 10.38 | 138 | 677690 | 69.78 | ng | | 99 |
| 62) Azobenzene | 10.50 | 77 | 2826128 | 71.96 | ng | | 94 |
| 64) 4,6-Dinitro-2-methylphenol | 10.41 | 198 | 412188 | 67.91 | ng | # | 51 |
| 65) n-Nitrosodiphenylamine | 10.46 | 169 | 2014855 | 70.51 | ng | | 100 |
| 66) 4-Bromophenyl-phenylether | 10.82 | 248 | 652162 | 67.58 | ng | | 92 |
| 67) Hexachlorobenzene | 10.89 | 284 | 642013 | 63.49 | ng | # | 84 |
| 69) Pentachlorophenol | 11.08 | 266 | 366504 | 67.16 | ng | | 98 |
| 73) Di-n-butylphthalate | 11.85 | 149 | 3665713 | 67.13 | ng | | 98 |
| 74) Fluoranthene | 12.49 | 202 | 3343940 | 69.62 | ng | | 95 |
| 76) Benzidine | 12.60 | 184 | 924978 | 60.93 | ng | # | 94 |
| 77) Pyrene | 12.72 | 202 | 3397106 | 89.20 | ng | | 99 |
| 79) Butylbenzylphthalate | 13.33 | 149 | 1371410 | 76.94 | ng | | 99 |
| 80) Benzo(a)anthracene | 13.89 | 228 | 2261440 | 74.97 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 13.87 | 252 | 873811 | 72.39 | ng | # | 95 |
| 82) Chrysene | 13.94 | 228 | 2290263 | 73.25 | ng | | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 13.89 | 149 | 1595018 | 70.54 | ng | | 99 |
| 84) Di-n-octyl phthalate | 14.51 | 149 | 3138560 | 75.33 | ng | | 99 |
| 85) Indeno(1,2,3-cd)pyrene | 16.65 | 276 | 2143169 | 69.71 | ng | | 100 |
| 87) Benzo(b)fluoranthene | 14.91 | 252 | 2177179m | 64.54 | ng | | |
| 88) Benzo(k)fluoranthene | 14.95 | 252 | 2043359m | 86.33 | ng | | |
| 89) Benzo(a)pyrene | 15.25 | 252 | 2074358 | 71.65 | ng | | 98 |
| 90) Dibenzo(a,h)anthracene | 16.67 | 278 | 1735201 | 68.75 | ng | | 98 |
| 91) Benzo(g,h,i)perylene | 17.06 | 276 | 1891488 | 73.74 | ng | | 97 |

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

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