Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052417\
Data File : BF095397.D
Acq On : 24 May 2017 19:31
Operator : SJ/MA
Sample : I3241-17MS
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
EP1-WC2(0-6)MS

Manual Integrations APPROVED
mohammad
5/25/2017 8:52:42 AM

Quant Time: May 25 04:17:44 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu May 18 17:07:53 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.75 | 152 | 83637 | 20.00 | ng | | -0.02 |
| 21) Naphthalene-d8 | 9.77 | 136 | 331965 | 20.00 | ng | | -0.02 |
| 38) Acenaphthene-d10 | 12.59 | 164 | 122743 | 20.00 | ng | | -0.02 |
| 63) Phenanthrene-d10 | 15.00 | 188 | 188473 | 20.00 | ng | | -0.02 |
| 75) Chrysene-d12 | 18.69 | 240 | 155200 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 20.37 | 264 | 115743 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.72 | 112 | 545133 | 108.67 | ng | | -0.01 |
| 7) Phenol-d6 | 7.30 | 99 | 630859 | 104.81 | ng | | -0.01 |
| 23) Nitrobenzene-d5 | 8.65 | 82 | 356530 | 67.72 | ng | | -0.02 |
| 41) 2,4,6-Tribromophenol | 13.90 | 330 | 91855 | 91.38 | ng | | -0.02 |
| 44) 2-Fluorobiphenyl | 11.54 | 172 | 647199 | 75.89 | ng | | -0.02 |
| 78) Terphenyl-d14 | 17.33 | 244 | 491148 | 69.70 | ng | | -0.02 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.24 | 88 | 74972 | 30.47 | ng | | 93 |
| 3) Pyridine | 2.94 | 79 | 149808 | 26.27 | ng | | 99 |
| 4) n-Nitrosodimethylamine | 2.87 | 42 | 65724 | 27.65 | ng | | 79 |
| 6) Aniline | 7.26 | 93 | 128431 | 16.90 | ng | | 97 |
| 8) 2-Chlorophenol | 7.45 | 128 | 195732 | 34.28 | ng | | 92 |
| 9) Benzaldehyde | 7.08 | 77 | 66325 | 18.05 | ng | # | 82 |
| 10) Phenol | 7.32 | 94 | 254981 | 40.20 | ng | | 93 |
| 11) bis(2-Chloroethyl)ether | 7.38 | 93 | 187954 | 35.89 | ng | | 98 |
| 12) 1,3-Dichlorobenzene | 7.65 | 146 | 226531 | 34.97 | ng | | 98 |
| 13) 1,4-Dichlorobenzene | 7.78 | 146 | 229521 | 34.94 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 8.01 | 146 | 219982 | 35.88 | ng | | 97 |
| 15) Benzyl Alcohol | 8.04 | 79 | 153641 | 39.69 | ng | | 98 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.24 | 45 | 250857 | 33.85 | ng | | 96 |
| 17) 2-Methylphenol | 8.26 | 107 | 166004 | 35.53 | ng | | 93 |
| 18) Hexachloroethane | 8.52 | 117 | 56584 | 25.43 | ng | | 91 |
| 19) n-Nitroso-di-n-propylamine | 8.45 | 70 | 139116 | 34.17 | ng | | 91 |
| 20) 3+4-Methylphenols | 8.52 | 107 | 206632 | 32.54 | ng | # | 56 |
| 22) Acetophenone | 8.42 | 105 | 273265 | 34.31 | ng | # | 81 |
| 24) Nitrobenzene | 8.68 | 77 | 191232 | 34.66 | ng | | 93 |
| 25) Isophorone | 9.08 | 82 | 339058 | 36.07 | ng | | 96 |
| 26) 2-Nitrophenol | 9.20 | 139 | 78070 | 26.22 | ng | | 98 |
| 27) 2,4-Dimethylphenol | 9.33 | 122 | 165085 | 34.29 | ng | | 96 |
| 28) bis(2-Chloroethoxy)methane | 9.44 | 93 | 228051 | 35.07 | ng | | 97 |
| 29) 2,4-Dichlorophenol | 9.64 | 162 | 147047 | 32.35 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 9.70 | 180 | 166272 | 34.14 | ng | | 98 |
| 31) Naphthalene | 9.80 | 128 | 671288 | 40.23 | ng | | 99 |
| 33) 4-Chloroaniline | 9.99 | 127 | 47529 | 7.64 | ng | # | 92 |
| 34) Hexachlorobutadiene | 10.01 | 225 | 81717 | 31.80 | ng | | 98 |
| 35) Caprolactam | 10.56 | 113 | 39819m | 29.17 | ng | | |
| 36) 4-Chloro-3-methylphenol | 10.82 | 107 | 148206 | 30.50 | ng | | 90 |
| 37) 2-Methylnaphthalene | 10.92 | 142 | 408808 | 37.33 | ng | | 98 |
| 39) 1,2,4,5-Tetrachlorobenzene | 11.21 | 216 | 135200 | 35.82 | ng | | 99 |
| 42) 2,4,6-Trichlorophenol | 11.44 | 196 | 85754 | 34.03 | ng | | 98 |
| 43) 2,4,5-Trichlorophenol | 11.55 | 196 | 85598 | 31.60 | ng | # | 94 |

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|---|---|---|---|---|---|---|---|
| 45) 1,1'-Biphenyl | 11.69 | 154 | 401200 | 38.82 | ng | | 98 |
| 46) 2-Chloronaphthalene | 11.71 | 162 | 295449 | 35.41 | ng | | 95 |
| 47) 2-Nitroaniline | 11.94 | 65 | 84813 | 37.13 | ng | # | 79 |
| 48) Acenaphthylene | 12.37 | 152 | 535783 | 40.99 | ng | | 99 |
| 49) Dimethylphthalate | 12.24 | 163 | 411541 | 40.84 | ng | | 99 |
| 50) 2,6-Dinitrotoluene | 12.34 | 165 | 58898 | 28.65 | ng | # | 92 |
| 51) Acenaphthene | 12.65 | 154 | 344679 | 44.15 | ng | | 98 |
| 52) 3-Nitroaniline | 12.62 | 138 | 63175 | 28.63 | ng | | 98 |
| 54) Dibenzofuran | 12.94 | 168 | 448969 | 41.56 | ng | | 96 |
| 55) 4-Nitrophenol | 13.07 | 139 | 53908 | 40.68 | ng | # | 84 |
| 56) 2,4-Dinitrotoluene | 13.02 | 165 | 67798 | 25.67 | ng | | 96 |
| 57) Fluorene | 13.49 | 166 | 408547 | 43.49 | ng | | 99 |
| 58) 2,3,4,6-Tetrachlorophenol | 13.19 | 232 | 55572 | 32.60 | ng | | 95 |
| 59) Diethylphthalate | 13.38 | 149 | 320248 | 33.16 | ng | | 98 |
| 60) 4-Chlorophenyl-phenylether | 13.51 | 204 | 135300 | 32.77 | ng | | 92 |
| 61) 4-Nitroaniline | 13.62 | 138 | 57856 | 28.56 | ng | | 95 |
| 62) Azobenzene | 13.77 | 77 | 263050 | 33.89 | ng | | 89 |
| 65) n-Nitrosodiphenylamine | 13.72 | 169 | 254261 | 37.17 | ng | | 98 |
| 66) 4-Bromophenyl-phenylether | 14.30 | 248 | 70411 | 35.36 | ng | | 99 |
| 67) Hexachlorobenzene | 14.39 | 284 | 67255 | 32.96 | ng | # | 86 |
| 68) Atrazine | 14.64 | 200 | 71764 | 37.16 | ng | | 97 |
| 69) Pentachlorophenol | 14.77 | 266 | 42401 | 48.45 | ng | | 96 |
| 70) Phenanthrene | 15.05 | 178 | 1802871 | 166.48 | ng | | 99 |
| 71) Anthracene | 15.12 | 178 | 754577 | 68.22 | ng | | 97 |
| 72) Carbazole | 15.41 | 167 | 467445 | 46.44 | ng | | 97 |
| 73) Di-n-butylphthalate | 15.97 | 149 | 458137 | 36.50 | ng | | 99 |
| 74) Fluoranthene | 16.81 | 202 | 2221966 | 200.03 | ng | | 99 |
| 77) Pyrene | 17.11 | 202 | 2355774 | 202.96 | ng | | 98 |
| 79) Butylbenzylphthalate | 17.99 | 149 | 208930 | 38.70 | ng | | 91 |
| 80) Benzo(a)anthracene | 18.68 | 228 | 1234070 | 136.63 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 18.65 | 252 | 56922 | 18.25 | ng | | 98 |
| 82) Chrysene | 18.73 | 228 | 1100905 | 126.05 | ng | | 98 |
| 83) Bis(2-ethylhexyl)phthalate | 18.74 | 149 | 269120 | 34.99 | ng | # | 99 |
| 84) Di-n-octyl phthalate | 19.50 | 149 | 522670 | 41.44 | ng | | 96 |
| 85) Indeno(1,2,3-cd)pyrene | 21.70 | 276 | 488646 | 68.89 | ng | | 96 |
| 87) Benzo(b)fluoranthene | 19.96 | 252 | 970890 | 135.75 | ng | # | 97 |
| 88) Benzo(k)fluoranthene | 19.99 | 252 | 425008m | 61.61 | ng | | |
| 89) Benzo(a)pyrene | 20.31 | 252 | 699236 | 105.95 | ng | | 97 |
| 90) Dibenzo(a,h)anthracene | 21.70 | 278 | 255725 | 46.92 | ng | | 96 |
| 91) Benzo(g,h,i)perylene | 22.09 | 276 | 459562 | 85.92 | ng | | 98 |

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

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