Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101117\
Data File : BF099358.D
Acq On : 11 Oct 2017 21:36
Operator : SJ/JU
Sample : I5710-02MS
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-29BMS

Manual Integrations APPROVED
Sohil
10/13/2017 12:07:17 PM

Quant Time: Oct 12 01:23:57 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 11 16:25:21 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.85 | 152 | 108411 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.13 | 136 | 443943 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 9.89 | 164 | 199840 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 11.37 | 188 | 340142 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 14.02 | 240 | 185414 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 15.48 | 264 | 175586 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.49 | 112 | 867997 | 127.46 | ng | | 0.02 |
| 7) Phenol-d6 | 6.49 | 99 | 1052492 | 125.28 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.42 | 82 | 631724 | 91.26 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.69 | 330 | 210381 | 128.66 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 9.21 | 172 | 1079159 | 90.15 | ng | | 0.00 |
| 78) Terphenyl-d14 | 12.96 | 244 | 830369 | 101.85 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.69 | 88 | 114939 | 35.332 | ng | | 96 |
| 3) Pyridine | 3.50 | 79 | 80841 | 9.186 | ng | | 98 |
| 4) n-Nitrosodimethylamine | 3.41 | 42 | 136864 | 36.675 | ng | | 82 |
| 6) Aniline | 6.52 | 93 | 352679 | 31.104 | ng | | 98 |
| 8) 2-Chlorophenol | 6.65 | 128 | 328737 | 42.625 | ng | | 92 |
| 9) Benzaldehyde | 6.41 | 77 | 123900 | 25.425 | ng | | 93 |
| 10) Phenol | 6.50 | 94 | 428122 | 45.566 | ng | | 99 |
| 11) bis(2-Chloroethyl)ether | 6.59 | 93 | 309991 | 42.440 | ng | | 98 |
| 12) 1,3-Dichlorobenzene | 6.79 | 146 | 348346 | 43.129 | ng | | 98 |
| 13) 1,4-Dichlorobenzene | 6.87 | 146 | 354931 | 43.191 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 7.02 | 146 | 328100 | 43.210 | ng | | 99 |
| 15) Benzyl Alcohol | 7.00 | 79 | 256375 | 41.598 | ng | | 96 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.13 | 45 | 439354 | 38.607 | ng | | 97 |
| 17) 2-Methylphenol | 7.11 | 107 | 276288 | 43.783 | ng | | 96 |
| 18) Hexachloroethane | 7.36 | 117 | 120850 | 40.914 | ng | | 99 |
| 19) n-Nitroso-di-n-propylamine | 7.27 | 70 | 203687 | 37.975 | ng | | 95 |
| 20) 3+4-Methylphenols | 7.26 | 107 | 321521 | 40.276 | ng | # | 78 |
| 22) Acetophenone | 7.27 | 105 | 431198 | 40.089 | ng | # | 95 |
| 24) Nitrobenzene | 7.44 | 77 | 325709 | 41.477 | ng | | 96 |
| 25) Isophorone | 7.67 | 82 | 605951 | 42.338 | ng | | 99 |
| 26) 2-Nitrophenol | 7.75 | 139 | 185384 | 49.093 | ng | | 92 |
| 27) 2,4-Dimethylphenol | 7.79 | 122 | 292539 | 41.021 | ng | | 98 |
| 28) bis(2-Chloroethoxy)methane | 7.88 | 93 | 392613 | 44.019 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 7.99 | 162 | 279891 | 45.713 | ng | | 97 |
| 30) 1,2,4-Trichlorobenzene | 8.07 | 180 | 276031 | 45.075 | ng | | 99 |
| 31) Naphthalene | 8.16 | 128 | 926074 | 44.415 | ng | | 99 |
| 32) Benzoic acid | 7.92 | 122 | 139083 | 23.743 | ng | | 94 |
| 33) 4-Chloroaniline | 8.21 | 127 | 291978 | 33.533 | ng | # | 94 |
| 34) Hexachlorobutadiene | 8.27 | 225 | 136942 | 43.416 | ng | | 98 |
| 35) Caprolactam | 8.59 | 113 | 80472m | 40.973 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.69 | 107 | 287536 | 41.781 | ng | | 94 |
| 37) 2-Methylnaphthalene | 8.85 | 142 | 630690 | 46.530 | ng | | 98 |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.02 | 216 | 253253 | 42.494 | ng | | 99 |
| 40) Hexachlorocyclopentadiene | 9.00 | 237 | 164809 | 60.511 | ng | | 98 |

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| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 9.13 | 196 | 179971 | 42.626 | ng | | 100 |
| 43) 2,4,5-Trichlorophenol | 9.17 | 196 | 190068 | 45.096 | ng | | 93 |
| 45) 1,1'-Biphenyl | 9.31 | 154 | 733747 | 42.722 | ng | | 99 |
| 46) 2-Chloronaphthalene | 9.34 | 162 | 579193 | 44.915 | ng | | 97 |
| 47) 2-Nitroaniline | 9.44 | 65 | 168089 | 42.570 | ng | | 90 |
| 48) Acenaphthylene | 9.76 | 152 | 869206 | 44.031 | ng | | 99 |
| 49) Dimethylphthalate | 9.62 | 163 | 826442 | 54.794 | ng | | 99 |
| 50) 2,6-Dinitrotoluene | 9.68 | 165 | 153607 | 46.780 | ng | | 89 |
| 51) Acenaphthene | 9.93 | 154 | 509975 | 40.782 | ng | | 99 |
| 52) 3-Nitroaniline | 9.85 | 138 | 141710 | 37.012 | ng | | 92 |
| 53) 2,4-Dinitrophenol | 9.96 | 184 | 112776 | 66.990 | ng | | 88 |
| 54) Dibenzofuran | 10.10 | 168 | 759310 | 45.605 | ng | | 99 |
| 55) 4-Nitrophenol | 10.02 | 139 | 224091 | 69.218 | ng | # | 79 |
| 56) 2,4-Dinitrotoluene | 10.09 | 165 | 198176 | 46.503 | ng | # | 93 |
| 57) Fluorene | 10.44 | 166 | 603282 | 45.081 | ng | | 98 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.22 | 232 | 138363 | 47.523 | ng | | 96 |
| 59) Diethylphthalate | 10.31 | 149 | 627760 | 42.594 | ng | | 98 |
| 60) 4-Chlorophenyl-phenylether | 10.43 | 204 | 270828 | 45.053 | ng | | 97 |
| 61) 4-Nitroaniline | 10.47 | 138 | 166651 | 45.116 | ng | | 88 |
| 62) Azobenzene | 10.59 | 77 | 581437 | 42.906 | ng | | 91 |
| 64) 4,6-Dinitro-2-methylphenol | 10.50 | 198 | 86305 | 41.703 | ng | # | 78 |
| 65) n-Nitrosodiphenylamine | 10.55 | 169 | 541911 | 45.989 | ng | | 99 |
| 66) 4-Bromophenyl-phenylether | 10.92 | 248 | 158604 | 47.637 | ng | | 98 |
| 67) Hexachlorobenzene | 10.99 | 284 | 159137 | 44.752 | ng | | 98 |
| 68) Atrazine | 11.07 | 200 | 158391 | 44.676 | ng | | 98 |
| 69) Pentachlorophenol | 11.19 | 266 | 143945 | 65.042 | ng | | 99 |
| 70) Phenanthrene | 11.40 | 178 | 838138 | 46.034 | ng | | 99 |
| 71) Anthracene | 11.46 | 178 | 851465 | 45.706 | ng | | 99 |
| 72) Carbazole | 11.61 | 167 | 786582 | 43.117 | ng | | 100 |
| 73) Di-n-butylphthalate | 11.93 | 149 | 946940 | 43.124 | ng | | 99 |
| 74) Fluoranthene | 12.59 | 202 | 783319 | 42.487 | ng | | 97 |
| 76) Benzidine | 12.71 | 184 | 92655 | 13.511 | ng | | 97 |
| 77) Pyrene | 12.82 | 202 | 789230 | 55.821 | ng | | 99 |
| 79) Butylbenzylphthalate | 13.43 | 149 | 332584 | 50.052 | ng | | 91 |
| 80) Benzo(a)anthracene | 14.00 | 228 | 525156 | 46.775 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 13.96 | 252 | 149057 | 36.216 | ng | | 98 |
| 82) Chrysene | 14.04 | 228 | 493105 | 46.133 | ng | | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 13.98 | 149 | 423629 | 46.301 | ng | | 99 |
| 84) Di-n-octyl phthalate | 14.59 | 149 | 600767 | 40.778 | ng | # | 95 |
| 85) Indeno(1,2,3-cd)pyrene | 16.97 | 276 | 559934 | 65.486 | ng | | 96 |
| 87) Benzo(b)fluoranthene | 15.05 | 252 | 476189 | 44.109 | ng | | 97 |
| 88) Benzo(k)fluoranthene | 15.08 | 252 | 426016 | 39.953 | ng | | 99 |
| 89) Benzo(a)pyrene | 15.42 | 252 | 456832 | 46.099 | ng | # | 96 |
| 90) Dibenzo(a,h)anthracene | 16.98 | 278 | 461067 | 58.137 | ng | | 97 |
| 91) Benzo(g,h,i)perylene | 17.42 | 276 | 489273 | 62.412 | ng | | 96 |

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

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