Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022417\
Data File : BF093180.D
Acq On : 25 Feb 2017 9:20
Operator : SJ/MA
Sample : I1972-21MSD
Misc :
ALS Vial : 33 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** E2-Z5-BASEMSD

**Manual Integrations APPROVED**
mohammad
2/27/2017 1:08:29 PM

Quant Time: Feb 27 00:47:41 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 17 17:31:55 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.83 | 152 | 153131 | 20.00 | ng | | -0.02 |
| 21) Naphthalene-d8 | 8.12 | 136 | 588875 | 20.00 | ng | | -0.02 |
| 38) Acenaphthene-d10 | 9.88 | 164 | 259018 | 20.00 | ng | | -0.01 |
| 63) Phenanthrene-d10 | 11.37 | 188 | 386160 | 20.00 | ng | | -0.01 |
| 75) Chrysene-d12 | 14.01 | 240 | 317100 | 20.00 | ng | | -0.01 |
| 86) Perylene-d12 | 15.44 | 264 | 284486 | 20.00 | ng | | -0.01 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.44 | 112 | 1041046 | 116.63 | ng | | -0.01 |
| 7) Phenol-d6 | 6.49 | 99 | 1371932 | 119.46 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.41 | 82 | 920992 | 87.09 | ng | | -0.01 |
| 41) 2,4,6-Tribromophenol | 10.67 | 330 | 179123 | 95.61 | ng | | -0.01 |
| 44) 2-Fluorobiphenyl | 9.21 | 172 | 1328349 | 92.91 | ng | | -0.01 |
| 78) Terphenyl-d14 | 12.96 | 244 | 762322 | 56.49 | ng | | -0.01 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.44 | 88 | 174736 | 36.23 | ng | # | 85 |
| 3) Pyridine | 3.16 | 79 | 363788 | 29.66 | ng | | 88 |
| 4) n-Nitrosodimethylamine | 3.12 | 42 | 247233 | 42.93 | ng | | 88 |
| 6) Aniline | 6.50 | 93 | 192138 | 12.26 | ng | # | 12 |
| 8) 2-Chlorophenol | 6.62 | 128 | 409845 | 41.62 | ng | | 94 |
| 9) Benzaldehyde | 6.37 | 77 | 177840 | 21.61 | ng | | 86 |
| 10) Phenol | 6.50 | 94 | 652308 | 48.55 | ng | # | 77 |
| 11) bis(2-Chloroethyl)ether | 6.58 | 93 | 463161 | 43.19 | ng | | 97 |
| 12) 1,3-Dichlorobenzene | 6.77 | 146 | 465132 | 40.33 | ng | # | 94 |
| 13) 1,4-Dichlorobenzene | 6.85 | 146 | 483978 | 41.46 | ng | | 96 |
| 14) 1,2-Dichlorobenzene | 7.00 | 146 | 414762 | 37.16 | ng | | 97 |
| 15) Benzyl Alcohol | 6.99 | 79 | 353043 | 41.52 | ng | | 97 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.12 | 45 | 743701 | 39.91 | ng | | 93 |
| 17) 2-Methylphenol | 7.10 | 107 | 296102 | 35.05 | ng | | 98 |
| 18) Hexachloroethane | 7.34 | 117 | 141401 | 35.48 | ng | | 94 |
| 19) n-Nitroso-di-n-propylamine | 7.25 | 70 | 309653 | 42.36 | ng | | 93 |
| 20) 3+4-Methylphenols | 7.26 | 107 | 400531 | 39.66 | ng | # | 75 |
| 22) Acetophenone | 7.25 | 105 | 614701 | 45.72 | ng | # | 97 |
| 24) Nitrobenzene | 7.42 | 77 | 450000 | 41.44 | ng | | 99 |
| 25) Isophorone | 7.66 | 82 | 849974 | 43.13 | ng | | 97 |
| 26) 2-Nitrophenol | 7.74 | 139 | 228823 | 44.33 | ng | | 89 |
| 27) 2,4-Dimethylphenol | 7.79 | 122 | 284229 | 31.36 | ng | | 92 |
| 28) bis(2-Chloroethoxy)methane | 7.88 | 93 | 569341 | 43.63 | ng | | 100 |
| 29) 2,4-Dichlorophenol | 7.98 | 162 | 335905 | 39.73 | ng | | 85 |
| 30) 1,2,4-Trichlorobenzene | 8.06 | 180 | 358339 | 39.33 | ng | | 95 |
| 31) Naphthalene | 8.14 | 128 | 1156786 | 38.75 | ng | | 99 |
| 32) Benzoic acid | 7.93 | 122 | 1281m | 7.38 | ng | | |
| 33) 4-Chloroaniline | 8.20 | 127 | 125525 | 10.72 | ng | | 99 |
| 34) Hexachlorobutadiene | 8.26 | 225 | 183518 | 36.61 | ng | | 98 |
| 35) Caprolactam | 8.57 | 113 | 110645 | 41.61 | ng | # | 36 |
| 36) 4-Chloro-3-methylphenol | 8.69 | 107 | 337203 | 38.26 | ng | | 97 |
| 37) 2-Methylnaphthalene | 8.84 | 142 | 774374m | 40.40 | ng | | |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.00 | 216 | 315932 | 43.45 | ng | | 99 |
| 40) Hexachlorocyclopentadiene | 8.99 | 237 | 76538 | 23.33 | ng | | 99 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 9.13 | 196 | 215885 | 45.19 | ng | | 94 |
| 43) 2,4,5-Trichlorophenol | 9.17 | 196 | 220865 | 42.19 | ng | # | 87 |
| 45) 1,1'-Biphenyl | 9.30 | 154 | 817876 | 43.61 | ng | | 96 |
| 46) 2-Chloronaphthalene | 9.32 | 162 | 668543 | 45.57 | ng | | 94 |
| 47) 2-Nitroaniline | 9.42 | 65 | 216459 | 43.88 | ng | | 88 |
| 48) Acenaphthylene | 9.74 | 152 | 1065743 | 42.05 | ng | | 99 |
| 49) Dimethylphthalate | 9.61 | 163 | 1030214 | 59.05 | ng | | 99 |
| 50) 2,6-Dinitrotoluene | 9.68 | 165 | 185300 | 49.18 | ng | | 93 |
| 51) Acenaphthene | 9.92 | 154 | 626719 | 41.36 | ng | | 97 |
| 52) 3-Nitroaniline | 9.84 | 138 | 127265 | 29.51 | ng | | 86 |
| 53) 2,4-Dinitrophenol | 9.96 | 184 | 5310 | 7.34 | ng | # | 64 |
| 54) Dibenzofuran | 10.09 | 168 | 906014 | 44.70 | ng | | 93 |
| 55) 4-Nitrophenol | 10.02 | 139 | 184336 | 59.36 | ng | | 87 |
| 56) 2,4-Dinitrotoluene | 10.08 | 165 | 183930 | 36.67 | ng | # | 87 |
| 57) Fluorene | 10.43 | 166 | 685971 | 43.99 | ng | | 97 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.21 | 232 | 148281 | 42.46 | ng | | 94 |
| 59) Diethylphthalate | 10.30 | 149 | 737795 | 44.87 | ng | | 99 |
| 60) 4-Chlorophenyl-phenylether | 10.42 | 204 | 291596 | 38.92 | ng | | 92 |
| 61) 4-Nitroaniline | 10.45 | 138 | 137426 | 31.12 | ng | | 93 |
| 62) Azobenzene | 10.58 | 77 | 776136 | 45.69 | ng | | 97 |
| 64) 4,6-Dinitro-2-methylphenol | 10.49 | 198 | 24316 | 12.44 | ng | # | 29 |
| 65) n-Nitrosodiphenylamine | 10.54 | 169 | 602775 | 48.86 | ng | | 100 |
| 66) 4-Bromophenyl-phenylether | 10.91 | 248 | 178925 | 44.35 | ng | | 94 |
| 67) Hexachlorobenzene | 10.98 | 284 | 162366 | 40.73 | ng | | 96 |
| 68) Atrazine | 11.07 | 200 | 162458 | 41.04 | ng | | 100 |
| 69) Pentachlorophenol | 11.17 | 266 | 121683 | 61.00 | ng | | 97 |
| 70) Phenanthrene | 11.39 | 178 | 879645 | 39.76 | ng | | 98 |
| 71) Anthracene | 11.45 | 178 | 840443 | 37.83 | ng | | 97 |
| 72) Carbazole | 11.60 | 167 | 738570 | 34.78 | ng | | 99 |
| 73) Di-n-butylphthalate | 11.93 | 149 | 1007434 | 43.86 | ng | # | 98 |
| 74) Fluoranthene | 12.58 | 202 | 813129 | 35.63 | ng | | 97 |
| 76) Benzidine | 12.71 | 184 | 144671 | 10.71 | ng | | 97 |
| 77) Pyrene | 12.81 | 202 | 796434 | 33.56 | ng | | 99 |
| 79) Butylbenzylphthalate | 13.43 | 149 | 366794 | 38.06 | ng | | 96 |
| 80) Benzo(a)anthracene | 14.00 | 228 | 711011 | 36.66 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 13.96 | 252 | 176421 | 25.52 | ng | # | 96 |
| 82) Chrysene | 14.03 | 228 | 600336 | 33.06 | ng | | 100 |
| 83) Bis(2-ethylhexyl)phthalate | 13.99 | 149 | 510802 | 38.76 | ng | # | 97 |
| 84) Di-n-octyl phthalate | 14.59 | 149 | 895816 | 41.74 | ng | | 98 |
| 85) Indeno(1,2,3-cd)pyrene | 16.85 | 276 | 534472 | 38.00 | ng | # | 92 |
| 87) Benzo(b)fluoranthene | 15.04 | 252 | 814836m | 43.52 | ng | | |
| 88) Benzo(k)fluoranthene | 15.06 | 252 | 506349m | 31.32 | ng | | |
| 89) Benzo(a)pyrene | 15.38 | 252 | 589904 | 36.42 | ng | # | 96 |
| 90) Dibenzo(a,h)anthracene | 16.87 | 278 | 467423 | 35.71 | ng | | 98 |
| 91) Benzo(g,h,i)perylene | 17.28 | 276 | 421099 | 31.84 | ng | # | 94 |

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

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