Quantitation Report (QT Reviewed)

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF091217\
Data File : BF098452.D
Acq On : 12 Sep 2017 16:07
Operator : SJ/JU
Sample : I5156-01MSD
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
FK-GF-02-011-AMSD

**Manual Integrations APPROVED**
Sohil
9/13/2017 5:00:01 PM

Quant Time: Sep 13 01:21:32 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF091117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 12 02:14:50 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.66 | 152 | 215104 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 7.95 | 136 | 914049 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 9.70 | 164 | 399310 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 11.18 | 188 | 649078 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 13.81 | 240 | 385079 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 15.21 | 264 | 385418 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.28 | 112 | 1531282 | 105.25 | ng | | 0.00 |
| 7) Phenol-d6 | 6.32 | 99 | 1880628 | 101.81 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.23 | 82 | 1193484 | 72.79 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.49 | 330 | 312993 | 117.44 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 9.02 | 172 | 1811964 | 76.91 | ng | | -0.01 |
| 78) Terphenyl-d14 | 12.76 | 244 | 1216824 | 68.21 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.35 | 88 | 215150 | 28.652 | ng | | 87 |
| 3) Pyridine | 3.03 | 79 | 546594 | 27.410 | ng | # | 80 |
| 4) n-Nitrosodimethylamine | 2.99 | 42 | 308705 | 31.576 | ng | | 99 |
| 6) Aniline | 6.33 | 93 | 538699 | 23.246 | ng | # | 6 |
| 8) 2-Chlorophenol | 6.45 | 128 | 563389 | 35.217 | ng | | 93 |
| 9) Benzaldehyde | 6.21 | 77 | 418017 | 34.618 | ng | | 92 |
| 10) Phenol | 6.33 | 94 | 756131 | 35.242 | ng | | 87 |
| 11) bis(2-Chloroethyl)ether | 6.40 | 93 | 558591 | 34.531 | ng | | 91 |
| 12) 1,3-Dichlorobenzene | 6.60 | 146 | 556469 | 34.559 | ng | | 97 |
| 13) 1,4-Dichlorobenzene | 6.68 | 146 | 560410 | 33.977 | ng | | 95 |
| 14) 1,2-Dichlorobenzene | 6.83 | 146 | 521180 | 34.684 | ng | | 98 |
| 15) Benzyl Alcohol | 6.82 | 79 | 461151 | 37.512 | ng | | 95 |
| 16) 2,2'-oxybis(1-Chloropropan | 6.95 | 45 | 903198 | 33.934 | ng | | 72 |
| 17) 2-Methylphenol | 6.94 | 107 | 474697 | 36.389 | ng | # | 90 |
| 18) Hexachloroethane | 7.17 | 117 | 210763 | 33.367 | ng | # | 82 |
| 19) n-Nitroso-di-n-propylamine | 7.09 | 70 | 406831 | 35.014 | ng | | 97 |
| 20) 3+4-Methylphenols | 7.09 | 107 | 618652 | 37.579 | ng | # | 67 |
| 22) Acetophenone | 7.08 | 105 | 806475 | 34.138 | ng | # | 91 |
| 24) Nitrobenzene | 7.25 | 77 | 624350 | 33.431 | ng | | 98 |
| 25) Isophorone | 7.49 | 82 | 1112467 | 33.536 | ng | | 100 |
| 26) 2-Nitrophenol | 7.57 | 139 | 294352 | 39.036 | ng | # | 83 |
| 27) 2,4-Dimethylphenol | 7.62 | 122 | 505824 | 35.189 | ng | | 97 |
| 28) bis(2-Chloroethoxy)methane | 7.70 | 93 | 710811 | 35.116 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 7.82 | 162 | 441838 | 36.959 | ng | | 96 |
| 30) 1,2,4-Trichlorobenzene | 7.89 | 180 | 468385 | 36.017 | ng | | 99 |
| 31) Naphthalene | 7.97 | 128 | 1580802 | 34.984 | ng | | 100 |
| 32) Benzoic acid | 7.71 | 122 | 8584m | 8.712 | ng | | |
| 33) 4-Chloroaniline | 8.02 | 127 | 369977 | 20.146 | ng | | 99 |
| 34) Hexachlorobutadiene | 8.09 | 225 | 232236 | 34.786 | ng | | 98 |
| 35) Caprolactam | 8.40 | 113 | 137732m | 33.410 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.52 | 107 | 505912 | 34.123 | ng | # | 83 |
| 37) 2-Methylnaphthalene | 8.66 | 142 | 1027460 | 37.538 | ng | | 99 |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.83 | 216 | 419628 | 33.737 | ng | | 99 |
| 40) Hexachlorocyclopentadiene | 8.81 | 237 | 118190 | 38.291 | ng | | 99 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 8.95 | 196 | 278439 | 38.111 | ng | | 92 |
| 43) 2,4,5-Trichlorophenol | 8.99 | 196 | 289490 | 37.909 | ng | | 93 |
| 45) 1,1'-Biphenyl | 9.12 | 154 | 1213936 | 33.965 | ng | | 97 |
| 46) 2-Chloronaphthalene | 9.15 | 162 | 914941 | 35.845 | ng | # | 92 |
| 47) 2-Nitroaniline | 9.25 | 65 | 354481 | 36.183 | ng | | 95 |
| 48) Acenaphthylene | 9.56 | 152 | 1331348 | 35.080 | ng | | 99 |
| 49) Dimethylphthalate | 9.43 | 163 | 1206153 | 39.022 | ng | | 99 |
| 50) 2,6-Dinitrotoluene | 9.50 | 165 | 240151 | 37.824 | ng | # | 85 |
| 51) Acenaphthene | 9.73 | 154 | 841834 | 34.895 | ng | | 99 |
| 52) 3-Nitroaniline | 9.66 | 138 | 202743 | 26.453 | ng | | 100 |
| 53) 2,4-Dinitrophenol | 9.78 | 184 | 28384 | 16.974 | ng | # | 79 |
| 54) Dibenzofuran | 9.90 | 168 | 1146003 | 36.058 | ng | | 99 |
| 55) 4-Nitrophenol | 9.85 | 139 | 301846 | 68.548 | ng | # | 44 |
| 56) 2,4-Dinitrotoluene | 9.90 | 165 | 281034 | 36.408 | ng | # | 57 |
| 57) Fluorene | 10.25 | 166 | 898900 | 34.171 | ng | | 100 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.03 | 232 | 200568 | 39.082 | ng | | 99 |
| 59) Diethylphthalate | 10.13 | 149 | 1031269 | 35.082 | ng | | 98 |
| 60) 4-Chlorophenyl-phenylether | 10.24 | 204 | 432122 | 35.564 | ng | # | 87 |
| 61) 4-Nitroaniline | 10.28 | 138 | 243076 | 31.404 | ng | | 91 |
| 62) Azobenzene | 10.40 | 77 | 1083073 | 34.185 | ng | | 97 |
| 64) 4,6-Dinitro-2-methylphenol | 10.31 | 198 | 78384 | 22.617 | ng | | 86 |
| 65) n-Nitrosodiphenylamine | 10.36 | 169 | 830212 | 39.392 | ng | | 98 |
| 66) 4-Bromophenyl-phenylether | 10.73 | 248 | 251370 | 40.805 | ng | | 94 |
| 67) Hexachlorobenzene | 10.79 | 284 | 231858 | 37.105 | ng | # | 86 |
| 68) Atrazine | 10.89 | 200 | 255987 | 39.453 | ng | | 98 |
| 69) Pentachlorophenol | 10.99 | 266 | 157121 | 58.815 | ng | | 96 |
| 70) Phenanthrene | 11.20 | 178 | 1283815 | 37.310 | ng | | 99 |
| 71) Anthracene | 11.26 | 178 | 1293046 | 36.601 | ng | | 99 |
| 72) Carbazole | 11.42 | 167 | 1102430 | 33.484 | ng | | 99 |
| 73) Di-n-butylphthalate | 11.74 | 149 | 1456072 | 36.911 | ng | | 99 |
| 74) Fluoranthene | 12.39 | 202 | 1113512 | 32.326 | ng | | 98 |
| 76) Benzidine | 12.52 | 184 | 519986 | 30.511 | ng | # | 93 |
| 77) Pyrene | 12.62 | 202 | 1111032 | 36.574 | ng | | 99 |
| 79) Butylbenzylphthalate | 13.23 | 149 | 502889 | 38.160 | ng | # | 75 |
| 80) Benzo(a)anthracene | 13.80 | 228 | 802435 | 35.543 | ng | | 98 |
| 81) 3,3'-Dichlorobenzidine | 13.76 | 252 | 265469 | 30.257 | ng | | 98 |
| 82) Chrysene | 13.84 | 228 | 816676 | 35.786 | ng | | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 13.79 | 149 | 633686 | 38.314 | ng | | 99 |
| 84) Di-n-octyl phthalate | 14.40 | 149 | 1100339 | 38.776 | ng | | 97 |
| 85) Indeno(1,2,3-cd)pyrene | 16.56 | 276 | 669305 | 41.803 | ng | | 98 |
| 87) Benzo(b)fluoranthene | 14.82 | 252 | 799433 | 32.988 | ng | | 97 |
| 88) Benzo(k)fluoranthene | 14.84 | 252 | 794643 | 35.124 | ng | | 96 |
| 89) Benzo(a)pyrene | 15.16 | 252 | 770979 | 35.710 | ng | | 99 |
| 90) Dibenzo(a,h)anthracene | 16.56 | 278 | 567631 | 36.142 | ng | | 96 |
| 91) Benzo(g,h,i)perylene | 16.96 | 276 | 540760 | 34.233 | ng | | 99 |

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

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