Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112017\
Data File : BF100741.D
Acq On : 20 Nov 2017 20:20
Operator : SJ/JU
Sample : I6521-01MSD
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
MH-(0-12)MSD

**Manual Integrations APPROVED**
SOHIL
11/21/2017 2:15:33 PM

Quant Time: Nov 21 04:41:13 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 17 15:22:08 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.87 | 152 | 95809 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.16 | 136 | 380681 | 20.00 | ng | | -0.01 |
| 38) Acenaphthene-d10 | 9.91 | 164 | 179814 | 20.00 | ng | | -0.01 |
| 63) Phenanthrene-d10 | 11.40 | 188 | 348378 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 14.04 | 240 | 227263 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 15.50 | 264 | 191547 | 20.00 | ng | | -0.01 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.50 | 112 | 700749 | 117.24 | ng | | 0.00 |
| 7) Phenol-d6 | 6.50 | 99 | 882104 | 119.68 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.44 | 82 | 542065 | 94.14 | ng | | -0.01 |
| 41) 2,4,6-Tribromophenol | 10.70 | 330 | 254110 | 138.68 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 9.23 | 172 | 1041617 | 88.21 | ng | | 0.00 |
| 78) Terphenyl-d14 | 12.98 | 244 | 997125 | 100.81 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.71 | 88 | 90939 | 31.221 | ng | | 97 |
| 3) Pyridine | 3.48 | 79 | 247309 | 31.121 | ng | | 95 |
| 4) n-Nitrosodimethylamine | 3.43 | 42 | 134666 | 34.904 | ng | | 98 |
| 6) Aniline | 6.55 | 93 | 283271 | 27.205 | ng | | 99 |
| 8) 2-Chlorophenol | 6.66 | 128 | 289808 | 45.834 | ng | | 94 |
| 9) Benzaldehyde | 6.42 | 77 | 101551 | 19.294 | ng | | 96 |
| 10) Phenol | 6.52 | 94 | 375995 | 48.595 | ng | | 98 |
| 11) bis(2-Chloroethyl)ether | 6.61 | 93 | 264014 | 40.624 | ng | | 98 |
| 12) 1,3-Dichlorobenzene | 6.82 | 146 | 310662 | 42.615 | ng | | 97 |
| 13) 1,4-Dichlorobenzene | 6.89 | 146 | 318182 | 43.124 | ng | | 96 |
| 14) 1,2-Dichlorobenzene | 7.05 | 146 | 300672 | 44.075 | ng | | 96 |
| 15) Benzyl Alcohol | 7.02 | 79 | 254084 | 44.172 | ng | | 97 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.15 | 45 | 464743 | 44.711 | ng | | 98 |
| 17) 2-Methylphenol | 7.12 | 107 | 252859 | 46.796 | ng | | 99 |
| 18) Hexachloroethane | 7.39 | 117 | 104397 | 42.914 | ng | | 91 |
| 19) n-Nitroso-di-n-propylamine | 7.29 | 70 | 201243 | 39.372 | ng | | 99 |
| 20) 3+4-Methylphenols | 7.27 | 107 | 305248 | 44.642 | ng | # | 89 |
| 22) Acetophenone | 7.29 | 105 | 386610 | 41.648 | ng | # | 98 |
| 24) Nitrobenzene | 7.46 | 77 | 300429 | 50.693 | ng | | 98 |
| 25) Isophorone | 7.70 | 82 | 555199 | 45.884 | ng | | 99 |
| 26) 2-Nitrophenol | 7.77 | 139 | 165492 | 58.263 | ng | | 95 |
| 27) 2,4-Dimethylphenol | 7.80 | 122 | 276931 | 51.055 | ng | | 99 |
| 28) bis(2-Chloroethoxy)methane | 7.90 | 93 | 353288 | 44.636 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 8.01 | 162 | 269404 | 52.027 | ng | | 97 |
| 30) 1,2,4-Trichlorobenzene | 8.09 | 180 | 263429 | 47.031 | ng | | 98 |
| 31) Naphthalene | 8.18 | 128 | 835543 | 45.569 | ng | | 99 |
| 32) Benzoic acid | 7.87 | 122 | 27196m | 14.640 | ng | | |
| 33) 4-Chloroaniline | 8.22 | 127 | 118599 | 15.539 | ng | | 97 |
| 34) Hexachlorobutadiene | 8.29 | 225 | 149935 | 45.021 | ng | | 97 |
| 35) Caprolactam | 8.60 | 113 | 85451m | 48.086 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.70 | 107 | 274658 | 49.387 | ng | | 99 |
| 37) 2-Methylnaphthalene | 8.87 | 142 | 572124 | 46.999 | ng | | 98 |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.03 | 216 | 266393 | 44.670 | ng | | 97 |
| 40) Hexachlorocyclopentadiene | 9.02 | 237 | 259002 | 92.279 | ng | | 99 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 9.15 | 196 | 201240 | 53.244 | ng | | 98 |
| 43) 2,4,5-Trichlorophenol | 9.19 | 196 | 209005 | 53.373 | ng | | 94 |
| 45) 1,1'-Biphenyl | 9.33 | 154 | 680540 | 43.759 | ng | | 99 |
| 46) 2-Chloronaphthalene | 9.36 | 162 | 544891 | 48.295 | ng | | 97 |
| 47) 2-Nitroaniline | 9.46 | 65 | 172453 | 51.513 | ng | | 95 |
| 48) Acenaphthylene | 9.77 | 152 | 827034 | 44.232 | ng | | 100 |
| 49) Dimethylphthalate | 9.64 | 163 | 711590 | 51.831 | ng | | 98 |
| 50) 2,6-Dinitrotoluene | 9.70 | 165 | 148708 | 54.721 | ng | | 88 |
| 51) Acenaphthene | 9.95 | 154 | 496310 | 43.645 | ng | | 99 |
| 52) 3-Nitroaniline | 9.86 | 138 | 106315 | 33.130 | ng | | 96 |
| 53) 2,4-Dinitrophenol | 9.97 | 184 | 99738 | 82.480 | ng | # | 12 |
| 54) Dibenzofuran | 10.12 | 168 | 739682 | 46.410 | ng | | 96 |
| 55) 4-Nitrophenol | 10.03 | 139 | 246977 | 94.783 | ng | | 94 |
| 56) 2,4-Dinitrotoluene | 10.10 | 165 | 193853 | 56.544 | ng | # | 90 |
| 57) Fluorene | 10.46 | 166 | 584136 | 50.030 | ng | | 100 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.23 | 232 | 169800 | 52.907 | ng | # | 85 |
| 59) Diethylphthalate | 10.33 | 149 | 608803 | 44.312 | ng | | 96 |
| 60) 4-Chlorophenyl-phenylether | 10.45 | 204 | 268216 | 46.828 | ng | | 92 |
| 61) 4-Nitroaniline | 10.49 | 138 | 159228 | 52.328 | ng | | 88 |
| 62) Azobenzene | 10.61 | 77 | 544288 | 42.063 | ng | | 95 |
| 64) 4,6-Dinitro-2-methylphenol | 10.51 | 198 | 99701 | 55.130 | ng | | 85 |
| 65) n-Nitrosodiphenylamine | 10.57 | 169 | 536477 | 44.288 | ng | | 96 |
| 66) 4-Bromophenyl-phenylether | 10.94 | 248 | 176414 | 47.238 | ng | # | 90 |
| 67) Hexachlorobenzene | 11.01 | 284 | 183684 | 47.027 | ng | # | 85 |
| 68) Atrazine | 11.10 | 200 | 173531 | 47.325 | ng | | 95 |
| 69) Pentachlorophenol | 11.20 | 266 | 219585 | 78.402 | ng | | 98 |
| 70) Phenanthrene | 11.42 | 178 | 860649 | 46.921 | ng | | 98 |
| 71) Anthracene | 11.47 | 178 | 911944 | 49.004 | ng | | 99 |
| 72) Carbazole | 11.63 | 167 | 801416 | 46.673 | ng | | 99 |
| 73) Di-n-butylphthalate | 11.95 | 149 | 932343 | 46.398 | ng | | 99 |
| 74) Fluoranthene | 12.61 | 202 | 1044386 | 53.724 | ng | | 97 |
| 76) Benzidine | 12.73 | 184 | 211425 | 23.230 | ng | | 98 |
| 77) Pyrene | 12.85 | 202 | 1024918 | 63.266 | ng | | 99 |
| 79) Butylbenzylphthalate | 13.45 | 149 | 357715 | 54.144 | ng | | 94 |
| 80) Benzo(a)anthracene | 14.03 | 228 | 743421 | 54.321 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 13.99 | 252 | 126203 | 25.738 | ng | # | 96 |
| 82) Chrysene | 14.06 | 228 | 661259 | 49.896 | ng | | 100 |
| 83) Bis(2-ethylhexyl)phthalate | 14.00 | 149 | 471929 | 54.311 | ng | | 99 |
| 84) Di-n-octyl phthalate | 14.62 | 149 | 670619 | 44.925 | ng | | 99 |
| 85) Indeno(1,2,3-cd)pyrene | 16.99 | 276 | 646642 | 60.324 | ng | | 95 |
| 87) Benzo(b)fluoranthene | 15.07 | 252 | 592369 | 52.200 | ng | | 99 |
| 88) Benzo(k)fluoranthene | 15.10 | 252 | 486541 | 45.376 | ng | | 98 |
| 89) Benzo(a)pyrene | 15.44 | 252 | 534989 | 53.177 | ng | | 100 |
| 90) Dibenzo(a,h)anthracene | 17.01 | 278 | 503630 | 61.212 | ng | | 97 |
| 91) Benzo(g,h,i)perylene | 17.44 | 276 | 573107 | 71.159 | ng | | 94 |

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

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