Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122216\
Data File : BF091898.D
Acq On : 22 Dec 2016 20:49
Operator : UM/SJ
Sample : H6068-05MSD
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** B-5MSD

**Manual Integrations APPROVED**
SOHIL
12/23/2016 5:54:13 PM

Quant Time: Dec 23 15:18:20 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF122116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 23 15:14:06 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.75 | 152 | 185512 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.04 | 136 | 693196 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 9.80 | 164 | 305003 | 20.00 | ng | | 0.01 |
| 63) Phenanthrene-d10 | 11.29 | 188 | 424582 | 20.00 | ng | | 0.02 |
| 75) Chrysene-d12 | 13.91 | 240 | 311446 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 15.31 | 264 | 325904 | 20.00 | ng | | 0.01 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.41 | 112 | 2028602 | 182.59 | ng | | 0.07 |
| 7) Phenol-d6 | 6.46 | 99 | 2217185 | 163.45 | ng | | 0.06 |
| 23) Nitrobenzene-d5 | 7.33 | 82 | 1421453 | 114.02 | ng | | 0.01 |
| 41) 2,4,6-Tribromophenol | 10.60 | 330 | 328521 | 130.15 | ng | | 0.02 |
| 44) 2-Fluorobiphenyl | 9.13 | 172 | 1861090 | 132.18 | ng | | 0.01 |
| 78) Terphenyl-d14 | 12.86 | 244 | 1353486 | 105.40 | ng | | 0.01 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.37 | 88 | 243899 | 44.59 | ng | | 94 |
| 3) Pyridine | 3.06 | 79 | 548138 | 28.71 | ng | | 97 |
| 4) n-Nitrosodimethylamine | 3.02 | 42 | 376465 | 52.28 | ng | | 96 |
| 6) Aniline | 6.43 | 93 | 527381 | 29.93 | ng | # | 43 |
| 8) 2-Chlorophenol | 6.57 | 128 | 624518 | 49.42 | ng | | 85 |
| 9) Benzaldehyde | 6.29 | 77 | 105359 | 10.64 | ng | | 90 |
| 10) Phenol | 6.48 | 94 | 904222 | 58.50 | ng | # | 68 |
| 11) bis(2-Chloroethyl)ether | 6.50 | 93 | 654721 | 53.23 | ng | | 100 |
| 12) 1,3-Dichlorobenzene | 6.69 | 146 | 654515m | 48.51 | ng | | |
| 13) 1,4-Dichlorobenzene | 6.77 | 146 | 665303 | 48.45 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 6.93 | 146 | 574112 | 48.18 | ng | | 96 |
| 15) Benzyl Alcohol | 6.92 | 79 | 533558 | 50.62 | ng | | 98 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.05 | 45 | 939780 | 51.31 | ng | | 78 |
| 17) 2-Methylphenol | 7.06 | 107 | 488660 | 48.08 | ng | | 96 |
| 18) Hexachloroethane | 7.26 | 117 | 246726 | 48.46 | ng | | 93 |
| 19) n-Nitroso-di-n-propylamine | 7.18 | 70 | 561551 | 62.23 | ng | | 92 |
| 20) 3+4-Methylphenols | 7.22 | 107 | 716779 | 59.13 | ng | # | 72 |
| 22) Acetophenone | 7.17 | 105 | 917164 | 53.64 | ng | # | 93 |
| 24) Nitrobenzene | 7.34 | 77 | 646181 | 48.67 | ng | | 99 |
| 25) Isophorone | 7.60 | 82 | 1356491 | 58.98 | ng | # | 94 |
| 26) 2-Nitrophenol | 7.66 | 139 | 260150 | 39.73 | ng | | 90 |
| 27) 2,4-Dimethylphenol | 7.73 | 122 | 579840 | 53.39 | ng | | 99 |
| 28) bis(2-Chloroethoxy)methane | 7.80 | 93 | 807450 | 57.89 | ng | | 95 |
| 29) 2,4-Dichlorophenol | 7.93 | 162 | 475813 | 51.74 | ng | | 88 |
| 30) 1,2,4-Trichlorobenzene | 7.98 | 180 | 504292 | 50.04 | ng | # | 94 |
| 31) Naphthalene | 8.06 | 128 | 1570158 | 49.49 | ng | | 100 |
| 32) Benzoic acid | 7.84 | 122 | 44973 | 5.58 | ng | | 91 |
| 33) 4-Chloroaniline | 8.13 | 127 | 450692 | 31.50 | ng | | 94 |
| 34) Hexachlorobutadiene | 8.19 | 225 | 297572 | 55.94 | ng | | 98 |
| 35) Caprolactam | 8.48 | 113 | 254862 | 84.34 | ng | # | 1 |
| 36) 4-Chloro-3-methylphenol | 8.64 | 107 | 500602 | 47.31 | ng | | 92 |
| 37) 2-Methylnaphthalene | 8.76 | 142 | 1056291 | 65.87 | ng | | 99 |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.93 | 216 | 435577 | 56.52 | ng | | 98 |
| 40) Hexachlorocyclopentadiene | 8.91 | 237 | 170891 | 51.30 | ng | | 96 |

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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF122116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 9.06 | 196 | 256005 | 47.50 | ng | | 97 |
| 43) 2,4,5-Trichlorophenol | 9.10 | 196 | 224613 | 40.50 | ng | # | 64 |
| 45) 1,1'-Biphenyl | 9.23 | 154 | 1222744 | 58.55 | ng | | 99 |
| 46) 2-Chloronaphthalene | 9.25 | 162 | 870894 | 52.66 | ng | | 99 |
| 47) 2-Nitroaniline | 9.36 | 65 | 331043 | 56.22 | ng | | 97 |
| 48) Acenaphthylene | 9.66 | 152 | 1265138 | 49.74 | ng | | 99 |
| 49) Dimethylphthalate | 9.53 | 163 | 1111597 | 56.98 | ng | | 98 |
| 50) 2,6-Dinitrotoluene | 9.60 | 165 | 214212 | 50.17 | ng | # | 86 |
| 51) Acenaphthene | 9.84 | 154 | 786030 | 45.58 | ng | | 99 |
| 52) 3-Nitroaniline | 9.77 | 138 | 224188 | 42.43 | ng | # | 99 |
| 53) 2,4-Dinitrophenol | 9.87 | 184 | 5063 | 2.13 | ng | # | 1 |
| 54) Dibenzofuran | 10.01 | 168 | 1070739 | 45.98 | ng | | 95 |
| 55) 4-Nitrophenol | 9.97 | 139 | 313932m | 87.50 | ng | | |
| 56) 2,4-Dinitrotoluene | 10.00 | 165 | 266361 | 49.70 | ng | # | 96 |
| 57) Fluorene | 10.35 | 166 | 860027 | 50.76 | ng | | 98 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.13 | 232 | 154709 | 35.27 | ng | # | 83 |
| 59) Diethylphthalate | 10.22 | 149 | 994536 | 52.50 | ng | | 98 |
| 60) 4-Chlorophenyl-phenylether | 10.34 | 204 | 372580 | 50.22 | ng | | 91 |
| 61) 4-Nitroaniline | 10.38 | 138 | 216182 | 39.48 | ng | | 93 |
| 62) Azobenzene | 10.50 | 77 | 995424 | 47.72 | ng | | 98 |
| 64) 4,6-Dinitro-2-methylphenol | 10.41 | 198 | 11826 | 4.61 | ng | # | 1 |
| 65) n-Nitrosodiphenylamine | 10.46 | 169 | 747899 | 59.36 | ng | | 92 |
| 66) 4-Bromophenyl-phenylether | 10.83 | 248 | 234271 | 53.04 | ng | | 93 |
| 67) Hexachlorobenzene | 10.90 | 284 | 223665 | 47.38 | ng | # | 73 |
| 68) Atrazine | 11.00 | 200 | 266240 | 65.51 | ng | | 98 |
| 69) Pentachlorophenol | 11.10 | 266 | 147751 | 63.78 | ng | | 98 |
| 70) Phenanthrene | 11.31 | 178 | 1204896 | 52.34 | ng | | 98 |
| 71) Anthracene | 11.36 | 178 | 1114446 | 63.34 | ng | | 100 |
| 72) Carbazole | 11.53 | 167 | 1010724 | 47.38 | ng | | 99 |
| 73) Di-n-butylphthalate | 11.85 | 149 | 1439956 | 68.11 | ng | | 99 |
| 74) Fluoranthene | 12.49 | 202 | 1025723 | 51.32 | ng | | 96 |
| 76) Benzidine | 12.61 | 184 | 209907 | 23.22 | ng | | 96 |
| 77) Pyrene | 12.72 | 202 | 1114083 | 48.75 | ng | | 100 |
| 79) Butylbenzylphthalate | 13.33 | 149 | 531659 | 51.16 | ng | | 97 |
| 80) Benzo(a)anthracene | 13.91 | 228 | 892980 | 50.79 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 13.87 | 252 | 286981 | 43.05 | ng | # | 94 |
| 82) Chrysene | 13.94 | 228 | 945178 | 53.60 | ng | | 98 |
| 83) Bis(2-ethylhexyl)phthalate | 13.89 | 149 | 733899 | 59.96 | ng | | 99 |
| 84) Di-n-octyl phthalate | 14.51 | 149 | 1348292 | 59.47 | ng | | 98 |
| 85) Indeno(1,2,3-cd)pyrene | 16.65 | 276 | 811001 | 53.09 | ng | | 98 |
| 87) Benzo(b)fluoranthene | 14.91 | 252 | 1203760m | 59.33 | ng | | |
| 88) Benzo(k)fluoranthene | 14.95 | 252 | 661459m | 38.23 | ng | | |
| 89) Benzo(a)pyrene | 15.25 | 252 | 878822 | 48.80 | ng | # | 97 |
| 90) Dibenzo(a,h)anthracene | 16.66 | 278 | 681863 | 46.06 | ng | | 99 |
| 91) Benzo(g,h,i)perylene | 17.05 | 276 | 658095 | 42.76 | ng | | 97 |

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

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