Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062518\
Data File : BF106791.D
Acq On : 26 Jun 2018 00:06
Operator : JU/SJ
Sample : J3626-02MSD
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** A-1MSD

Quant Time: Jun 26 05:00:27 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 25 18:50:17 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.96 | 152 | 55347 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.25 | 136 | 197152 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 10.01 | 164 | 88559 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 11.50 | 188 | 157020 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 14.15 | 240 | 134494 | 20.00 | ng | | -0.01 |
| 86) Perylene-d12 | 15.69 | 264 | 100595 | 20.00 | ng | | -0.02 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.61 | 112 | 277370 | 84.86 | ng | | 0.00 |
| 7) Phenol-d6 | 6.61 | 99 | 395593 | 96.92 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.53 | 82 | 251338 | 70.85 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.80 | 330 | 74696 | 72.77 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 9.32 | 172 | 442194 | 84.41 | ng | | 0.00 |
| 78) Terphenyl-d14 | 13.08 | 244 | 472127 | 85.03 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.86 | 88 | 41681 | 24.804 | ng | | 98 |
| 3) Pyridine | 3.64 | 79 | 127962 | 28.078 | ng | | 95 |
| 4) n-Nitrosodimethylamine | 3.60 | 42 | 51429 | 26.570 | ng | | 84 |
| 6) Aniline | 6.63 | 93 | 98673 | 17.821 | ng | # | 76 |
| 8) 2-Chlorophenol | 6.76 | 128 | 109392 | 30.514 | ng | | 94 |
| 9) Benzaldehyde | 6.52 | 77 | 55431 | 17.098 | ng | | 95 |
| 10) Phenol | 6.62 | 94 | 147182 | 31.596 | ng | | 82 |
| 11) bis(2-Chloroethyl)ether | 6.70 | 93 | 116476 | 30.288 | ng | | 99 |
| 12) 1,3-Dichlorobenzene | 6.91 | 146 | 137468 | 32.739 | ng | | 96 |
| 13) 1,4-Dichlorobenzene | 6.98 | 146 | 137787 | 32.458 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 7.14 | 146 | 126886 | 32.615 | ng | | 95 |
| 15) Benzyl Alcohol | 7.11 | 79 | 99936 | 30.491 | ng | | 96 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.23 | 45 | 160563 | 31.822 | ng | | 69 |
| 17) 2-Methylphenol | 7.22 | 107 | 98131 | 31.986 | ng | # | 90 |
| 18) Hexachloroethane | 7.47 | 117 | 35350 | 23.680 | ng | # | 85 |
| 19) n-Nitroso-di-n-propylamine | 7.37 | 70 | 77214 | 28.698 | ng | | 94 |
| 20) 3+4-Methylphenols | 7.37 | 107 | 123227 | 34.968 | ng | # | 61 |
| 22) Acetophenone | 7.37 | 105 | 155413 | 35.235 | ng | # | 96 |
| 24) Nitrobenzene | 7.55 | 77 | 120859 | 33.369 | ng | | 99 |
| 25) Isophorone | 7.78 | 82 | 217367 | 34.771 | ng | | 99 |
| 26) 2-Nitrophenol | 7.86 | 139 | 42384 | 24.789 | ng | | 97 |
| 27) 2,4-Dimethylphenol | 7.90 | 122 | 102921 | 38.944 | ng | | 98 |
| 28) bis(2-Chloroethoxy)methane | 7.98 | 93 | 141908 | 33.809 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 8.11 | 162 | 92715 | 33.510 | ng | | 96 |
| 30) 1,2,4-Trichlorobenzene | 8.18 | 180 | 113904 | 37.371 | ng | | 98 |
| 31) Naphthalene | 8.27 | 128 | 386006 | 41.878 | ng | | 99 |
| 33) 4-Chloroaniline | 8.32 | 127 | 78475 | 20.290 | ng | | 98 |
| 34) Hexachlorobutadiene | 8.37 | 225 | 74593 | 37.559 | ng | | 98 |
| 35) Caprolactam | 8.67 | 113 | 28683 | 31.803 | ng | | 89 |
| 36) 4-Chloro-3-methylphenol | 8.81 | 107 | 97137 | 33.355 | ng | | 98 |
| 37) 2-Methylnaphthalene | 8.96 | 142 | 281633 | 46.097 | ng | | 97 |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.12 | 216 | 114891 | 38.523 | ng | # | 95 |
| 40) Hexachlorocyclopentadiene | 9.10 | 237 | 3220 | 2.098 | ng | | 95 |
| 42) 2,4,6-Trichlorophenol | 9.24 | 196 | 20945 | 10.565 | ng | | 93 |

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|---|---|---|---|---|---|---|---|
| 43) 2,4,5-Trichlorophenol | 9.29 | 196 | 50856 | 24.584 | ng | | 89 |
| 45) 1,1'-Biphenyl | 9.42 | 154 | 288165 | 40.830 | ng | | 97 |
| 46) 2-Chloronaphthalene | 9.45 | 162 | 188678 | 33.963 | ng | | 94 |
| 47) 2-Nitroaniline | 9.55 | 65 | 61433 | 32.885 | ng | | 94 |
| 48) Acenaphthylene | 9.87 | 152 | 296519 | 33.807 | ng | | 99 |
| 49) Dimethylphthalate | 9.72 | 163 | 277318 | 41.752 | ng | | 99 |
| 50) 2,6-Dinitrotoluene | 9.79 | 165 | 45091 | 32.060 | ng | # | 83 |
| 51) Acenaphthene | 10.04 | 154 | 292453 | 52.950 | ng | | 98 |
| 52) 3-Nitroaniline | 9.97 | 138 | 52380 | 32.364 | ng | | 92 |
| 54) Dibenzofuran | 10.21 | 168 | 409621 | 54.162 | ng | | 97 |
| 55) 4-Nitrophenol | 10.14 | 139 | 5483 | 4.853 | ng | | 93 |
| 56) 2,4-Dinitrotoluene | 10.20 | 165 | 52613 | 28.659 | ng | # | 84 |
| 57) Fluorene | 10.56 | 166 | 320547 | 53.412 | ng | | 99 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.33 | 232 | 7707 | 4.687 | ng | # | 63 |
| 59) Diethylphthalate | 10.41 | 149 | 204615 | 31.918 | ng | # | 93 |
| 60) 4-Chlorophenyl-phenylether | 10.54 | 204 | 105285 | 33.529 | ng | # | 84 |
| 61) 4-Nitroaniline | 10.58 | 138 | 54917 | 34.190 | ng | | 94 |
| 62) Azobenzene | 10.70 | 77 | 177822 | 28.168 | ng | | 90 |
| 65) n-Nitrosodiphenylamine | 10.66 | 169 | 177389 | 33.587 | ng | | 98 |
| 66) 4-Bromophenyl-phenylether | 11.04 | 248 | 69038 | 36.841 | ng | # | 76 |
| 67) Hexachlorobenzene | 11.11 | 284 | 69115 | 35.239 | ng | # | 80 |
| 68) Atrazine | 11.19 | 200 | 59812 | 35.624 | ng | | 93 |
| 70) Phenanthrene | 11.54 | 178 | 970347 | 128.126 | ng | | 98 |
| 71) Anthracene | 11.58 | 178 | 407067 | 52.659 | ng | | 100 |
| 72) Carbazole | 11.73 | 167 | 294862 | 40.742 | ng | | 98 |
| 73) Di-n-butylphthalate | 12.04 | 149 | 290484 | 34.069 | ng | | 99 |
| 74) Fluoranthene | 12.72 | 202 | 866360 | 103.788 | ng | | 96 |
| 76) Benzidine | 12.84 | 184 | 157892 | 41.221 | ng | | 97 |
| 77) Pyrene | 12.95 | 202 | 720212 | 81.206 | ng | | 98 |
| 79) Butylbenzylphthalate | 13.55 | 149 | 120586 | 33.069 | ng | # | 93 |
| 80) Benzo(a)anthracene | 14.14 | 228 | 399313 | 48.714 | ng | | 100 |
| 81) 3,3'-Dichlorobenzidine | 14.10 | 252 | 83904 | 29.124 | ng | # | 95 |
| 82) Chrysene | 14.18 | 228 | 364036 | 48.273 | ng | | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 14.10 | 149 | 165157 | 35.427 | ng | | 98 |
| 84) Di-n-octyl phthalate | 14.73 | 149 | 284367 | 37.421 | ng | # | 94 |
| 85) Indeno(1,2,3-cd)pyrene | 17.27 | 276 | 214878 | 33.576 | ng | # | 89 |
| 87) Benzo(b)fluoranthene | 15.24 | 252 | 284858 | 45.585 | ng | # | 95 |
| 88) Benzo(k)fluoranthene | 15.27 | 252 | 220745 | 37.095 | ng | # | 95 |
| 89) Benzo(a)pyrene | 15.63 | 252 | 221792 | 39.926 | ng | # | 96 |
| 90) Dibenzo(a,h)anthracene | 17.28 | 278 | 169989 | 36.107 | ng | # | 93 |
| 91) Benzo(g,h,i)perylene | 17.75 | 276 | 176127 | 38.275 | ng | # | 90 |

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

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