Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070518\
Data File : BF107144.D
Acq On : 6 Jul 2018 1:27
Operator : JU/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SSTDCCC040

Quant Time: Jul 06 04:14:25 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 29 14:38:29 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.95 | 152 | 49330 | 20.00 | ng | | -0.01 |
| 21) Naphthalene-d8 | 8.23 | 136 | 195434 | 20.00 | ng | | -0.02 |
| 38) Acenaphthene-d10 | 9.99 | 164 | 90893 | 20.00 | ng | | -0.02 |
| 63) Phenanthrene-d10 | 11.48 | 188 | 149221 | 20.00 | ng | | -0.02 |
| 75) Chrysene-d12 | 14.14 | 240 | 145596 | 20.00 | ng | | -0.03 |
| 86) Perylene-d12 | 15.67 | 264 | 116945 | 20.00 | ng | | -0.05 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.58 | 112 | 235054 | 80.69 | ng | | -0.02 |
| 7) Phenol-d6 | 6.60 | 99 | 284270 | 78.14 | ng | | -0.02 |
| 23) Nitrobenzene-d5 | 7.52 | 82 | 261041 | 74.23 | ng | | -0.02 |
| 41) 2,4,6-Tribromophenol | 10.79 | 330 | 72074 | 68.42 | ng | | -0.01 |
| 44) 2-Fluorobiphenyl | 9.31 | 172 | 482531 | 90.88 | ng | | -0.02 |
| 78) Terphenyl-d14 | 13.07 | 244 | 461643 | 76.80 | ng | | -0.02 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.74 | 88 | 53873 | 35.970 | ng | | 97 |
| 3) Pyridine | 3.54 | 79 | 147277 | 36.258 | ng | | 96 |
| 4) n-Nitrosodimethylamine | 3.51 | 42 | 58798 | 34.082 | ng | | 84 |
| 6) Aniline | 6.61 | 93 | 182283 | 36.937 | ng | # | 74 |
| 8) 2-Chlorophenol | 6.74 | 128 | 126522 | 39.597 | ng | | 97 |
| 9) Benzaldehyde | 6.51 | 77 | 87604 | 34.060 | ng | | 94 |
| 10) Phenol | 6.61 | 94 | 156555 | 37.707 | ng | | 75 |
| 11) bis(2-Chloroethyl)ether | 6.68 | 93 | 129024 | 37.643 | ng | | 98 |
| 12) 1,3-Dichlorobenzene | 6.89 | 146 | 149051 | 39.828 | ng | | 97 |
| 13) 1,4-Dichlorobenzene | 6.97 | 146 | 149984 | 39.641 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 7.12 | 146 | 140398 | 40.490 | ng | | 97 |
| 15) Benzyl Alcohol | 7.10 | 79 | 106511 | 36.461 | ng | | 96 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.22 | 45 | 155848 | 34.655 | ng | # | 46 |
| 17) 2-Methylphenol | 7.21 | 107 | 110216 | 40.307 | ng | # | 93 |
| 18) Hexachloroethane | 7.45 | 117 | 42809 | 32.175 | ng | # | 89 |
| 19) n-Nitroso-di-n-propylamine | 7.35 | 70 | 91211 | 38.035 | ng | | 94 |
| 20) 3+4-Methylphenols | 7.37 | 107 | 132475 | 44.831 | ng | | 90 |
| 22) Acetophenone | 7.35 | 105 | 176271 | 40.315 | ng | # | 98 |
| 24) Nitrobenzene | 7.54 | 77 | 132965 | 37.034 | ng | | 99 |
| 25) Isophorone | 7.77 | 82 | 225697 | 36.421 | ng | | 97 |
| 26) 2-Nitrophenol | 7.85 | 139 | 60835 | 35.893 | ng | | 99 |
| 27) 2,4-Dimethylphenol | 7.88 | 122 | 101467 | 38.732 | ng | | 99 |
| 28) bis(2-Chloroethoxy)methane | 7.97 | 93 | 155686 | 37.418 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 8.10 | 162 | 108812 | 39.673 | ng | | 92 |
| 30) 1,2,4-Trichlorobenzene | 8.17 | 180 | 125129 | 41.414 | ng | | 96 |
| 31) Naphthalene | 8.25 | 128 | 358523 | 39.238 | ng | | 100 |
| 32) Benzoic acid | 8.01 | 122 | 45846 | 26.917 | ng | | 99 |
| 33) 4-Chloroaniline | 8.31 | 127 | 145963 | 38.072 | ng | | 99 |
| 34) Hexachlorobutadiene | 8.36 | 225 | 84148 | 42.742 | ng | | 99 |
| 35) Caprolactam | 8.68 | 113 | 31768 | 35.533 | ng | | 98 |
| 36) 4-Chloro-3-methylphenol | 8.80 | 107 | 106948 | 37.046 | ng | | 96 |
| 37) 2-Methylnaphthalene | 8.94 | 142 | 249427 | 41.185 | ng | | 97 |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.11 | 216 | 131443 | 42.941 | ng | # | 95 |
| 42) 2,4,6-Trichlorophenol | 9.23 | 196 | 74921 | 36.822 | ng | | 93 |

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|---|---|---|---|---|---|---|---|
| 43) 2,4,5-Trichlorophenol | 9.28 | 196 | 75690 | 35.650 | ng | # | 87 |
| 45) 1,1'-Biphenyl | 9.41 | 154 | 313325 | 43.255 | ng | | 97 |
| 46) 2-Chloronaphthalene | 9.44 | 162 | 217004 | 38.058 | ng | | 97 |
| 47) 2-Nitroaniline | 9.54 | 65 | 68257 | 35.599 | ng | | 96 |
| 48) Acenaphthylene | 9.85 | 152 | 334920 | 37.205 | ng | | 99 |
| 49) Dimethylphthalate | 9.70 | 163 | 263196 | 38.608 | ng | | 98 |
| 50) 2,6-Dinitrotoluene | 9.78 | 165 | 55322 | 38.324 | ng | # | 85 |
| 51) Acenaphthene | 10.02 | 154 | 210310 | 37.100 | ng | | 98 |
| 52) 3-Nitroaniline | 9.95 | 138 | 60397 | 36.359 | ng | | 97 |
| 53) 2,4-Dinitrophenol | 10.08 | 184 | 1655 | 7.410 | ng | # | 19 |
| 54) Dibenzofuran | 10.20 | 168 | 304361 | 39.211 | ng | | 96 |
| 55) 4-Nitrophenol | 10.14 | 139 | 21353 | 18.416 | ng | | 96 |
| 56) 2,4-Dinitrotoluene | 10.18 | 165 | 64028 | 33.981 | ng | # | 96 |
| 57) Fluorene | 10.54 | 166 | 236622 | 38.415 | ng | | 99 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.32 | 232 | 53226 | 31.537 | ng | # | 81 |
| 59) Diethylphthalate | 10.40 | 149 | 247985 | 37.690 | ng | # | 93 |
| 60) 4-Chlorophenyl-phenylether | 10.52 | 204 | 130018 | 40.342 | ng | # | 86 |
| 61) 4-Nitroaniline | 10.57 | 138 | 56302 | 34.152 | ng | | 97 |
| 62) Azobenzene | 10.69 | 77 | 208014 | 32.104 | ng | | 91 |
| 64) 4,6-Dinitro-2-methylphenol | 10.60 | 198 | 9213 | 9.988 | ng | # | 74 |
| 65) n-Nitrosodiphenylamine | 10.65 | 169 | 214116 | 42.660 | ng | | 100 |
| 66) 4-Bromophenyl-phenylether | 11.02 | 248 | 80036 | 44.942 | ng | # | 80 |
| 67) Hexachlorobenzene | 11.09 | 284 | 78060 | 41.879 | ng | # | 86 |
| 68) Atrazine | 11.17 | 200 | 60218 | 37.740 | ng | | 95 |
| 69) Pentachlorophenol | 11.30 | 266 | 19887 | 21.383 | ng | | 98 |
| 70) Phenanthrene | 11.51 | 178 | 299888 | 41.667 | ng | | 99 |
| 71) Anthracene | 11.56 | 178 | 300000 | 40.837 | ng | | 100 |
| 72) Carbazole | 11.72 | 167 | 266480 | 38.744 | ng | | 97 |
| 73) Di-n-butylphthalate | 12.02 | 149 | 328376 | 40.526 | ng | | 99 |
| 74) Fluoranthene | 12.70 | 202 | 320593 | 40.414 | ng | | 97 |
| 76) Benzidine | 12.82 | 184 | 143483 | 34.603 | ng | | 99 |
| 77) Pyrene | 12.94 | 202 | 330036 | 34.375 | ng | | 100 |
| 79) Butylbenzylphthalate | 13.53 | 149 | 125884 | 31.890 | ng | # | 97 |
| 80) Benzo(a)anthracene | 14.12 | 228 | 343899 | 38.755 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 14.08 | 252 | 127548 | 40.897 | ng | # | 95 |
| 82) Chrysene | 14.17 | 228 | 321736 | 39.411 | ng | | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 14.08 | 149 | 162604 | 32.220 | ng | # | 96 |
| 84) Di-n-octyl phthalate | 14.71 | 149 | 327016 | 39.752 | ng | | 95 |
| 85) Indeno(1,2,3-cd)pyrene | 17.25 | 276 | 224253 | 32.369 | ng | # | 90 |
| 87) Benzo(b)fluoranthene | 15.21 | 252 | 310001 | 42.673 | ng | # | 95 |
| 88) Benzo(k)fluoranthene | 15.25 | 252 | 282888 | 40.891 | ng | # | 95 |
| 89) Benzo(a)pyrene | 15.61 | 252 | 251293 | 38.912 | ng | # | 96 |
| 90) Dibenzo(a,h)anthracene | 17.26 | 278 | 194850 | 35.601 | ng | # | 95 |
| 91) Benzo(g,h,i)perylene | 17.73 | 276 | 179955 | 33.639 | ng | # | 90 |

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

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