Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121319\
Data File : BF118198.D
Acq On : 13 Dec 2019 20:52
Operator : JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SSTDCCC040EC

Quant Time: Dec 13 22:49:48 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 06 17:34:43 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.87 | 152 | 103113 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.16 | 136 | 394445 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.92 | 164 | 209248 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.41 | 188 | 463821 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 14.06 | 240 | 292015 | 20.00 | ng | | 0.00 |
| 87) Perylene-d12 | 15.55 | 264 | 316127 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.48 | 112 | 465171 | 79.01 | ng | | 0.00 |
| 7) Phenol-d6 | 6.50 | 99 | 554295 | 77.84 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.43 | 82 | 530719 | 75.69 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.71 | 330 | 225524 | 88.72 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.23 | 172 | 1094469 | 79.59 | ng | | 0.00 |
| 79) Terphenyl-d14 | 13.00 | 244 | 1465496 | 86.30 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.59 | 88 | 93666 | 37.732 | ng | | 98 |
| 3) Pyridine | 3.35 | 79 | 250852 | 39.168 | ng | | 99 |
| 4) n-Nitrosodimethylamine | 3.30 | 42 | 103468 | 37.554 | ng | | 95 |
| 6) Aniline | 6.53 | 93 | 341020 | 37.439 | ng | | 96 |
| 8) 2-Chlorophenol | 6.66 | 128 | 261395 | 39.376 | ng | | 97 |
| 9) Benzaldehyde | 6.42 | 77 | 148893 | 40.368 | ng | | 97 |
| 10) Phenol | 6.52 | 94 | 311350 | 38.340 | ng | | 98 |
| 11) bis(2-Chloroethyl)ether | 6.60 | 93 | 228676 | 38.935 | ng | | 94 |
| 12) 1,3-Dichlorobenzene | 6.81 | 146 | 307220 | 39.617 | ng | | 98 |
| 13) 1,4-Dichlorobenzene | 6.89 | 146 | 310667 | 39.785 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 7.04 | 146 | 293856 | 40.072 | ng | | 98 |
| 15) Benzyl Alcohol | 7.01 | 79 | 216778 | 38.999 | ng | | 98 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.15 | 45 | 276797 | 39.196 | ng | | 98 |
| 17) 2-Methylphenol | 7.12 | 107 | 202768 | 38.404 | ng | | 98 |
| 18) Hexachloroethane | 7.38 | 117 | 114273 | 39.715 | ng | | 93 |
| 19) n-Nitroso-di-n-propylamine | 7.28 | 70 | 170152 | 39.323 | ng | | 98 |
| 20) 3+4-Methylphenols | 7.27 | 107 | 258805 | 39.024 | ng | | 95 |
| 22) Acetophenone | 7.28 | 105 | 365244 | 38.542 | ng | # | 94 |
| 24) Nitrobenzene | 7.45 | 77 | 258689 | 37.553 | ng | | 98 |
| 25) Isophorone | 7.69 | 82 | 450180 | 37.875 | ng | | 99 |
| 26) 2-Nitrophenol | 7.77 | 139 | 139060 | 37.769 | ng | | 94 |
| 27) 2,4-Dimethylphenol | 7.80 | 122 | 184034 | 37.472 | ng | | 100 |
| 28) bis(2-Chloroethoxy)methane | 7.90 | 93 | 296521 | 38.179 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 8.02 | 162 | 221175 | 38.631 | ng | | 97 |
| 30) 1,2,4-Trichlorobenzene | 8.10 | 180 | 259256 | 38.747 | ng | | 98 |
| 31) Naphthalene | 8.17 | 128 | 771595 | 38.950 | ng | | 100 |
| 32) Benzoic acid | 7.93 | 122 | 165985 | 37.431 | ng | | 99 |
| 33) 4-Chloroaniline | 8.23 | 127 | 312403 | 36.523 | ng | | 97 |
| 34) Hexachlorobutadiene | 8.29 | 225 | 158018 | 39.384 | ng | | 99 |
| 35) Caprolactam | 8.60 | 113 | 80607 | 45.653 | ng | | 99 |
| 36) 4-Chloro-3-methylphenol | 8.71 | 107 | 236250 | 39.211 | ng | | 99 |
| 37) 2-Methylnaphthalene | 8.87 | 142 | 519043 | 38.702 | ng | | 98 |
| 38) 1-Methylnaphthalene | 8.97 | 142 | 485475 | 38.552 | ng | | 98 |
| 40) 1,2,4,5-Tetrachlorobenzene | 9.04 | 216 | 244408 | 38.557 | ng | | 99 |

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|---|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 9.02 | 237 | 69191 | 24.362 | ng | | 99 |
| 43) 2,4,6-Trichlorophenol | 9.15 | 196 | 162073 | 38.294 | ng | | 98 |
| 44) 2,4,5-Trichlorophenol | 9.19 | 196 | 175352 | 39.990 | ng | | 98 |
| 46) 1,1'-Biphenyl | 9.33 | 154 | 637529 | 38.631 | ng | | 99 |
| 47) 2-Chloronaphthalene | 9.36 | 162 | 512048 | 38.572 | ng | | 98 |
| 48) 2-Nitroaniline | 9.46 | 65 | 159435 | 42.115 | ng | | 95 |
| 49) Acenaphthylene | 9.78 | 152 | 766525 | 39.148 | ng | | 99 |
| 50) Dimethylphthalate | 9.63 | 163 | 693754 | 44.886 | ng | | 98 |
| 51) 2,6-Dinitrotoluene | 9.70 | 165 | 146297 | 43.530 | ng | | 91 |
| 52) Acenaphthene | 9.95 | 154 | 462553 | 38.704 | ng | | 97 |
| 53) 3-Nitroaniline | 9.87 | 138 | 166275 | 42.040 | ng | | 98 |
| 54) 2,4-Dinitrophenol | 9.98 | 184 | 52714 | 31.527 | ng | | 99 |
| 55) Dibenzofuran | 10.12 | 168 | 709586 | 40.521 | ng | | 99 |
| 56) 4-Nitrophenol | 10.04 | 139 | 111545 | 40.638 | ng | | 94 |
| 57) 2,4-Dinitrotoluene | 10.11 | 165 | 208347 | 46.446 | ng | | 93 |
| 58) Fluorene | 10.47 | 166 | 594180 | 42.696 | ng | | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.25 | 232 | 161575 | 44.664 | ng | | 98 |
| 60) Diethylphthalate | 10.33 | 149 | 729608 | 47.912 | ng | | 100 |
| 61) 4-Chlorophenyl-phenylether | 10.46 | 204 | 295092 | 42.143 | ng | | 97 |
| 62) 4-Nitroaniline | 10.49 | 138 | 175959 | 42.656 | ng | | 98 |
| 63) Azobenzene | 10.62 | 77 | 562509 | 43.271 | ng | | 99 |
| 65) 4,6-Dinitro-2-methylphenol | 10.52 | 198 | 82406 | 32.171 | ng | | 89 |
| 66) n-Nitrosodiphenylamine | 10.57 | 169 | 560511 | 38.698 | ng | | 100 |
| 67) 4-Bromophenyl-phenylether | 10.95 | 248 | 199412 | 37.663 | ng | | 97 |
| 68) Hexachlorobenzene | 11.02 | 284 | 240354 | 38.569 | ng | | 91 |
| 69) Atrazine | 11.10 | 200 | 130489 | 30.336 | ng | | 97 |
| 70) Pentachlorophenol | 11.22 | 266 | 110064 | 37.556 | ng | | 99 |
| 71) Phenanthrene | 11.43 | 178 | 954852 | 38.727 | ng | | 100 |
| 72) Anthracene | 11.49 | 178 | 965951 | 39.272 | ng | | 100 |
| 73) Carbazole | 11.65 | 167 | 845417 | 38.309 | ng | | 99 |
| 74) Di-n-butylphthalate | 11.97 | 149 | 1159883 | 41.996 | ng | | 99 |
| 75) Fluoranthene | 12.63 | 202 | 945672 | 37.514 | ng | | 98 |
| 77) Benzidine | 12.75 | 184 | 93305 | 12.137 | ng | | 99 |
| 78) Pyrene | 12.86 | 202 | 948366 | 41.212 | ng | | 99 |
| 80) Butylbenzylphthalate | 13.47 | 149 | 438825 | 42.107 | ng | | 98 |
| 81) Benzo(a)anthracene | 14.05 | 228 | 768322 | 38.051 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 14.01 | 252 | 240784 | 36.309 | ng | | 96 |
| 83) Chrysene | 14.09 | 228 | 745732 | 38.663 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phthalate | 14.03 | 149 | 609179 | 44.329 | ng | # | 99 |
| 85) Di-n-octyl phthalate | 14.64 | 149 | 904343 | 43.442 | ng | | 100 |
| 86) Indeno(1,2,3-cd)pyrene | 17.07 | 276 | 841925 | 51.878 | ng | | 100 |
| 88) Benzo(b)fluoranthene | 15.12 | 252 | 718791 | 34.379 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 15.14 | 252 | 724815 | 36.087 | ng | | 99 |
| 90) Benzo(a)pyrene | 15.49 | 252 | 690326 | 37.385 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 17.09 | 278 | 692298 | 43.711 | ng | | 99 |
| 92) Benzo(g,h,i)perylene | 17.53 | 276 | 674883 | 44.344 | ng | | 99 |

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

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