Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF103118\
Data File : BF110325.D
Acq On : 31 Oct 2018 11:49
Operator : JU/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

**Manual Integrations APPROVED**
Sohil
11/1/2018 10:45:51 AM

Quant Time: Oct 31 14:10:23 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 29 12:32:31 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.97 | 152 | 88443 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.26 | 136 | 394560 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 10.02 | 164 | 194755 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.52 | 188 | 373330 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 14.17 | 240 | 283091 | 20.00 | ng | | 0.01 |
| 87) Perylene-d12 | 15.70 | 264 | 223047 | 20.00 | ng | | 0.02 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.59 | 112 | 456426 | 84.04 | ng | | 0.00 |
| 7) Phenol-d6 | 6.60 | 99 | 586658 | 84.45 | ng | | 0.01 |
| 23) Nitrobenzene-d5 | 7.54 | 82 | 562953 | 84.63 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.82 | 330 | 164539 | 85.29 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.33 | 172 | 1051689 | 84.79 | ng | | 0.00 |
| 79) Terphenyl-d14 | 13.10 | 244 | 1146125 | 84.20 | ng | | 0.01 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.79 | 88 | 106779 | 37.526 | ng | | 91 |
| 3) Pyridine | 3.58 | 79 | 257152 | 40.574 | ng | | 87 |
| 4) n-Nitrosodimethylamine | 3.55 | 42 | 114177 | 43.000 | ng | | 88 |
| 6) Aniline | 6.64 | 93 | 380187 | 42.013 | ng | # | 54 |
| 8) 2-Chlorophenol | 6.76 | 128 | 268334 | 42.854 | ng | | 97 |
| 9) Benzaldehyde | 6.53 | 77 | 156018 | 38.168 | ng | | 99 |
| 10) Phenol | 6.62 | 94 | 340434 | 45.846 | ng | # | 65 |
| 11) bis(2-Chloroethyl)ether | 6.71 | 93 | 249205 | 40.792 | ng | | 97 |
| 12) 1,3-Dichlorobenzene | 6.92 | 146 | 280519 | 40.709 | ng | | 98 |
| 13) 1,4-Dichlorobenzene | 6.99 | 146 | 282990 | 40.606 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 7.15 | 146 | 269324 | 41.629 | ng | | 98 |
| 15) Benzyl Alcohol | 7.12 | 79 | 239004 | 44.733 | ng | | 91 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.24 | 45 | 398670 | 40.814 | ng | | 70 |
| 17) 2-Methylphenol | 7.22 | 107 | 213312 | 42.746 | ng | # | 82 |
| 18) Hexachloroethane | 7.49 | 117 | 108121 | 42.375 | ng | | 96 |
| 19) n-Nitroso-di-n-propylamine | 7.39 | 70 | 192185 | 43.123 | ng | # | 96 |
| 20) 3+4-Methylphenols | 7.37 | 107 | 280570 | 43.496 | ng | | 96 |
| 22) Acetophenone | 7.39 | 105 | 376038 | 41.361 | ng | | 99 |
| 24) Nitrobenzene | 7.56 | 77 | 288683 | 42.034 | ng | | 92 |
| 25) Isophorone | 7.79 | 82 | 457921 | 40.384 | ng | | 98 |
| 26) 2-Nitrophenol | 7.87 | 139 | 148228 | 45.355 | ng | | 94 |
| 27) 2,4-Dimethylphenol | 7.90 | 122 | 219342 | 40.480 | ng | | 98 |
| 28) bis(2-Chloroethoxy)methane | 8.00 | 93 | 313406 | 40.685 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 8.12 | 162 | 227796 | 41.612 | ng | | 100 |
| 30) 1,2,4-Trichlorobenzene | 8.20 | 180 | 247813 | 40.415 | ng | | 95 |
| 31) Naphthalene | 8.28 | 128 | 739612 | 40.672 | ng | | 99 |
| 32) Benzoic acid | 8.02 | 122 | 116198m | 27.746 | ng | | |
| 33) 4-Chloroaniline | 8.33 | 127 | 340349 | 41.586 | ng | | 99 |
| 34) Hexachlorobutadiene | 8.39 | 225 | 140727 | 41.334 | ng | | 99 |
| 35) Caprolactam | 8.71 | 113 | 78309 | 41.042 | ng | # | 86 |
| 36) 4-Chloro-3-methylphenol | 8.81 | 107 | 249377 | 42.127 | ng | | 93 |
| 37) 2-Methylnaphthalene | 8.97 | 142 | 499914 | 41.550 | ng | | 97 |
| 38) 1-Methylnaphthalene | 9.07 | 142 | 479529 | 41.243 | ng | | 99 |
| 40) 1,2,4,5-Tetrachlorobenzene | 9.14 | 216 | 245707 | 40.491 | ng | | 98 |

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|---|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 9.12 | 237 | 110734 | 35.688 | ng | | 100 |
| 43) 2,4,6-Trichlorophenol | 9.25 | 196 | 157038 | 40.123 | ng | | 94 |
| 44) 2,4,5-Trichlorophenol | 9.29 | 196 | 170207 | 41.141 | ng | | 96 |
| 46) 1,1'-Biphenyl | 9.44 | 154 | 721724 | 40.980 | ng | | 99 |
| 47) 2-Chloronaphthalene | 9.47 | 162 | 517584 | 40.065 | ng | | 99 |
| 48) 2-Nitroaniline | 9.56 | 65 | 166365 | 42.497 | ng | | 95 |
| 49) Acenaphthylene | 9.89 | 152 | 764901 | 40.994 | ng | | 99 |
| 50) Dimethylphthalate | 9.73 | 163 | 597003 | 41.527 | ng | | 100 |
| 51) 2,6-Dinitrotoluene | 9.80 | 165 | 131924 | 42.601 | ng | | 96 |
| 52) Acenaphthene | 10.06 | 154 | 471330 | 38.183 | ng | | 98 |
| 53) 3-Nitroaniline | 9.98 | 138 | 157393 | 42.740 | ng | | 89 |
| 54) 2,4-Dinitrophenol | 10.09 | 184 | 49388 | 42.760 | ng | | 93 |
| 55) Dibenzofuran | 10.23 | 168 | 702292 | 40.636 | ng | | 99 |
| 56) 4-Nitrophenol | 10.13 | 139 | 108163 | 39.685 | ng | | 98 |
| 57) 2,4-Dinitrotoluene | 10.22 | 165 | 177960 | 45.243 | ng | # | 85 |
| 58) Fluorene | 10.57 | 166 | 535895 | 41.664 | ng | | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.35 | 232 | 135115 | 40.068 | ng | | 94 |
| 60) Diethylphthalate | 10.43 | 149 | 590415 | 42.071 | ng | | 100 |
| 61) 4-Chlorophenyl-phenylether | 10.56 | 204 | 280196 | 41.294 | ng | | 99 |
| 62) 4-Nitroaniline | 10.60 | 138 | 158171 | 43.184 | ng | | 90 |
| 63) Azobenzene | 10.72 | 77 | 563910 | 40.482 | ng | | 96 |
| 65) 4,6-Dinitro-2-methylphenol | 10.63 | 198 | 70858 | 41.543 | ng | | 95 |
| 66) n-Nitrosodiphenylamine | 10.68 | 169 | 501485 | 40.953 | ng | | 96 |
| 67) 4-Bromophenyl-phenylether | 11.05 | 248 | 165438 | 40.853 | ng | | 93 |
| 68) Hexachlorobenzene | 11.13 | 284 | 177457 | 41.301 | ng | | 99 |
| 69) Atrazine | 11.20 | 200 | 161957 | 41.852 | ng | | 99 |
| 70) Pentachlorophenol | 11.32 | 266 | 94167 | 37.585 | ng | | 99 |
| 71) Phenanthrene | 11.54 | 178 | 797443 | 40.823 | ng | | 99 |
| 72) Anthracene | 11.59 | 178 | 806699 | 41.200 | ng | | 100 |
| 73) Carbazole | 11.75 | 167 | 794627 | 41.565 | ng | | 99 |
| 74) Di-n-butylphthalate | 12.06 | 149 | 925737 | 42.875 | ng | | 100 |
| 75) Fluoranthene | 12.74 | 202 | 817152 | 41.218 | ng | | 98 |
| 77) Benzidine | 12.85 | 184 | 357472 | 44.751 | ng | | 98 |
| 78) Pyrene | 12.97 | 202 | 848423 | 41.804 | ng | | 98 |
| 80) Butylbenzylphthalate | 13.56 | 149 | 382342 | 43.404 | ng | | 98 |
| 81) Benzo(a)anthracene | 14.16 | 228 | 689048 | 41.044 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 14.12 | 252 | 228164 | 39.030 | ng | | 99 |
| 83) Chrysene | 14.20 | 228 | 652863 | 40.944 | ng | | 98 |
| 84) Bis(2-ethylhexyl)phthalate | 14.12 | 149 | 481487 | 40.434 | ng | | 96 |
| 85) Di-n-octyl phthalate | 14.74 | 149 | 790537 | 42.695 | ng | | 99 |
| 86) Indeno(1,2,3-cd)pyrene | 17.30 | 276 | 517914 | 39.153 | ng | | 98 |
| 88) Benzo(b)fluoranthene | 15.25 | 252 | 541447 | 42.037 | ng | | 98 |
| 89) Benzo(k)fluoranthene | 15.28 | 252 | 528254 | 41.718 | ng | | 98 |
| 90) Benzo(a)pyrene | 15.64 | 252 | 492004 | 41.513 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 17.32 | 278 | 429201 | 41.970 | ng | | 99 |
| 92) Benzo(g,h,i)perylene | 17.79 | 276 | 424325 | 42.107 | ng | | 99 |

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

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