

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082318\
 Data File : BF108445.D
 Acq On : 24 Aug 2018 3:09
 Operator : JU/SJ
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 Client Sampled :
 SSTDCCC040

Manual Integrations
 APPROVED

Sohil

8/24/2018 12:14:34 PM

Quant Time: Aug 24 04:42:08 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF080818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 22 11:01:45 2018
 Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.00 | 152 | 130336 | 20.00 | ng | 0.00 |
| 21) Naphthalene-d8 | 8.29 | 136 | 506129 | 20.00 | ng | 0.00 |
| 38) Acenaphthene-d10 | 10.05 | 164 | 239279 | 20.00 | ng | 0.00 |
| 63) Phenanthrene-d10 | 11.54 | 188 | 403321 | 20.00 | ng | 0.00 |
| 75) Chrysene-d12 | 14.20 | 240 | 285408 | 20.00 | ng | 0.00 |
| 86) Perylene-d12 | 15.75 | 264 | 271697 | 20.00 | ng | 0.00 |

System Monitoring Compounds

| | | | | | | |
|--------------------------|-------|-----|---------|-------|----|------|
| 5) 2-Fluorophenol | 5.62 | 112 | 599971 | 83.34 | ng | 0.00 |
| 7) Phenol-d6 | 6.62 | 99 | 785614 | 82.12 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 7.57 | 82 | 745863 | 82.23 | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.84 | 330 | 170299 | 71.35 | ng | 0.00 |
| 44) 2-Fluorobiphenyl | 9.36 | 172 | 1368220 | 91.80 | ng | 0.00 |
| 78) Terphenyl-d14 | 13.12 | 244 | 998431 | 88.95 | ng | 0.00 |

Target Compounds

| Target Compounds | R.T. | QIon | Response | Conc | Units | Qvalue |
|--------------------------------|------|------|----------|--------|-------|--------|
| 2) 1,4-Dioxane | 2.87 | 88 | 138228 | 37.368 | ng | 90 |
| 3) Pyridine | 3.66 | 79 | 369784 | 38.806 | ng | 88 |
| 4) n-Nitrosodimethylamine | 3.63 | 42 | 193630 | 36.112 | ng | 83 |
| 6) Aniline | 6.67 | 93 | 522464 | 40.150 | ng | 95 |
| 8) 2-Chlorophenol | 6.79 | 128 | 334299 | 41.230 | ng | 97 |
| 9) Benzaldehyde | 6.56 | 77 | 280624 | 37.835 | ng | 98 |
| 10) Phenol | 6.64 | 94 | 397675 | 40.187 | ng | 88 |
| 11) bis(2-Chloroethyl)ether | 6.74 | 93 | 321954 | 40.244 | ng | 96 |
| 12) 1,3-Dichlorobenzene | 6.94 | 146 | 384842 | 41.049 | ng | 97 |
| 13) 1,4-Dichlorobenzene | 7.02 | 146 | 392022 | 41.619 | ng | 98 |
| 14) 1,2-Dichlorobenzene | 7.18 | 146 | 361408 | 41.249 | ng | 96 |
| 15) Benzyl Alcohol | 7.14 | 79 | 303640 | 37.702 | ng | 97 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.27 | 45 | 603879 | 36.641 | ng | 99 |
| 17) 2-Methylphenol | 7.25 | 107 | 286572 | 41.215 | ng | 95 |
| 18) Hexachloroethane | 7.51 | 117 | 133066 | 39.681 | ng | 96 |
| 19) n-Nitroso-di-n-propylamine | 7.41 | 70 | 247656 | 38.282 | ng | 89 |
| 20) 3+4-Methylphenols | 7.40 | 107 | 350767 | 39.366 | ng | # 81 |
| 22) Acetophenone | 7.41 | 105 | 475404 | 40.171 | ng | # 95 |
| 24) Nitrobenzene | 7.59 | 77 | 376026 | 40.998 | ng | 97 |
| 25) Isophorone | 7.82 | 82 | 671621 | 38.849 | ng | 97 |
| 26) 2-Nitrophenol | 7.90 | 139 | 133506 | 38.544 | ng | 91 |
| 27) 2,4-Dimethylphenol | 7.93 | 122 | 304516 | 39.687 | ng | 97 |
| 28) bis(2-Chloroethoxy)methane | 8.02 | 93 | 399596 | 39.594 | ng | 99 |
| 29) 2,4-Dichlorophenol | 8.14 | 162 | 286965 | 40.640 | ng | 99 |
| 30) 1,2,4-Trichlorobenzene | 8.22 | 180 | 313347 | 40.249 | ng | 97 |
| 31) Naphthalene | 8.31 | 128 | 948631 | 41.213 | ng | 99 |
| 32) Benzoic acid | 8.02 | 122 | 90216m | 23.714 | ng | |
| 33) 4-Chloroaniline | 8.35 | 127 | 400205 | 39.897 | ng | 97 |
| 34) Hexachlorobutadiene | 8.42 | 225 | 202869 | 41.163 | ng | 99 |
| 35) Caprolactam | 8.73 | 113 | 81655 | 36.901 | ng | # 81 |
| 36) 4-Chloro-3-methylphenol | 8.83 | 107 | 292610 | 38.413 | ng | 99 |
| 37) 2-Methylnaphthalene | 9.00 | 142 | 645320 | 39.626 | ng | 98 |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.17 | 216 | 327293 | 44.542 | ng | # 97 |
| 40) Hexachlorocyclopentadiene | 9.15 | 237 | 46050 | 9.703 | ng | 97 |

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| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 42) 2,4,6-Trichlorophenol | 9.28 | 196 | 189612 | 41.583 | ng | 97 |
| 43) 2,4,5-Trichlorophenol | 9.32 | 196 | 202927 | 40.427 | ng | 95 |
| 45) 1,1'-Biphenyl | 9.47 | 154 | 777920 | 44.095 | ng | 98 |
| 46) 2-Chloronaphthalene | 9.50 | 162 | 593118 | 42.537 | ng | 98 |
| 47) 2-Nitroaniline | 9.59 | 65 | 198800 | 44.064 | ng | 90 |
| 48) Acenaphthylene | 9.91 | 152 | 937701 | 42.538 | ng | 100 |
| 49) Dimethylphthalate | 9.76 | 163 | 721483 | 43.286 | ng | # 99 |
| 50) 2,6-Dinitrotoluene | 9.83 | 165 | 145347 | 41.680 | ng | 98 |
| 51) Acenaphthene | 10.08 | 154 | 531926 | 39.397 | ng | 98 |
| 52) 3-Nitroaniline | 10.00 | 138 | 164624 | 43.147 | ng | 94 |
| 53) 2,4-Dinitrophenol | 10.11 | 184 | 3631 | 9.559 | ng | # 23 |
| 54) Dibenzofuran | 10.25 | 168 | 810238 | 41.421 | ng | 97 |
| 55) 4-Nitrophenol | 10.15 | 139 | 80538 | 27.875 | ng | 90 |
| 56) 2,4-Dinitrotoluene | 10.24 | 165 | 184224 | 41.041 | ng | # 93 |
| 57) Fluorene | 10.60 | 166 | 622846 | 40.223 | ng | 99 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.37 | 232 | 140326 | 33.447 | ng | # 87 |
| 59) Diethylphthalate | 10.45 | 149 | 686436 | 42.530 | ng | 97 |
| 60) 4-Chlorophenyl-phenylether | 10.58 | 204 | 328522 | 40.715 | ng | 96 |
| 61) 4-Nitroaniline | 10.62 | 138 | 155551 | 41.236 | ng | 96 |
| 62) Azobenzene | 10.75 | 77 | 650060 | 39.000 | ng | 93 |
| 64) 4,6-Dinitro-2-methylphenol | 10.64 | 198 | 9491 | 10.927 | ng | 87 |
| 65) n-Nitrosodiphenylamine | 10.71 | 169 | 569266 | 47.763 | ng | 96 |
| 66) 4-Bromophenyl-phenylether | 11.08 | 248 | 201213 | 45.907 | ng | # 90 |
| 67) Hexachlorobenzene | 11.15 | 284 | 201422 | 43.677 | ng | # 90 |
| 68) Atrazine | 11.22 | 200 | 177745 | 44.464 | ng | 97 |
| 69) Pentachlorophenol | 11.34 | 266 | 96254 | 43.607 | ng | 96 |
| 70) Phenanthrene | 11.57 | 178 | 813632 | 42.770 | ng | 99 |
| 71) Anthracene | 11.62 | 178 | 837466 | 42.953 | ng | 99 |
| 72) Carbazole | 11.77 | 167 | 700883 | 40.460 | ng | 99 |
| 73) Di-n-butylphthalate | 12.09 | 149 | 931434 | 47.470 | ng | 99 |
| 74) Fluoranthene | 12.77 | 202 | 760855 | 36.647 | ng | 94 |
| 76) Benzidine | 12.88 | 184 | 352392 | 33.046 | ng | 99 |
| 77) Pyrene | 13.00 | 202 | 745651 | 41.266 | ng | 99 |
| 79) Butylbenzylphthalate | 13.59 | 149 | 320393 | 44.654 | ng | # 97 |
| 80) Benzo(a)anthracene | 14.19 | 228 | 683116 | 41.706 | ng | 99 |
| 81) 3,3'-Dichlorobenzidine | 14.14 | 252 | 242058 | 41.237 | ng | # 98 |
| 82) Chrysene | 14.22 | 228 | 638048 | 42.489 | ng | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 14.15 | 149 | 431809 | 44.442 | ng | # 98 |
| 84) Di-n-octyl phthalate | 14.77 | 149 | 746305 | 50.364 | ng | 98 |
| 85) Indeno(1,2,3-cd)pyrene | 17.37 | 276 | 537070 | 41.277 | ng | # 90 |
| 87) Benzo(b)fluoranthene | 15.28 | 252 | 660607 | 40.690 | ng | # 97 |
| 88) Benzo(k)fluoranthene | 15.32 | 252 | 614911 | 41.203 | ng | # 95 |
| 89) Benzo(a)pyrene | 15.69 | 252 | 595366 | 40.952 | ng | # 96 |
| 90) Dibenzo(a,h)anthracene | 17.38 | 278 | 460156 | 38.255 | ng | # 93 |
| 91) Benzo(g,h,i)perylene | 17.86 | 276 | 417736 | 35.268 | ng | # 89 |

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

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