

Data Path : Z:\HPCHEM1\BNA M\DATA\BM062617\
 Data File : BM010765.D
 Acq On : 27 Jun 2017 03:02
 Operator : SJ/JU
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 Client Sampled :
 SSTD02003

Manual Integrations
 APPROVED

mohammad
 6/28/2017 7:54:47 AM

Quant Time: Jun 27 03:34:51 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM062017.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Jun 27 02:29:28 2017
 Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.46 | 152 | 74452 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 10.22 | 136 | 349618 | 20.00 | ng/ul | 0.00 |
| 35) Acenaphthene-d10 | 14.11 | 164 | 256204 | 20.00 | ng/ul | 0.00 |
| 61) Phenanthrene-d10 | 16.86 | 188 | 678958 | 20.00 | ng/ul | 0.00 |
| 75) Chrysene-d12 | 21.08 | 240 | 772845 | 20.00 | ng/ul | 0.00 |
| 83) Perylene-d12 | 23.21 | 264 | 558085 | 20.00 | ng/ul | 0.00 |

System Monitoring Compounds

| | | | | | | |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) 1,4-Dioxane-d8 | 3.07 | 96 | 10835 | 8.34 | ng/uL | 0.00 |
| 5) Phenol-d5 | 6.65 | 99 | 129751 | 18.29 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 6.81 | 67 | 74819 | 18.48 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 6.99 | 132 | 99434 | 19.98 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 8.16 | 113 | 113007 | 19.22 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 8.60 | 128 | 50328 | 20.18 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 9.32 | 143 | 60074 | 20.91 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 9.85 | 165 | 126115 | 20.85 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 10.36 | 131 | 146527 | 22.98 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6 | 13.53 | 166 | 432727 | 19.24 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8 | 13.79 | 160 | 511502 | 19.55 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4 | 14.33 | 143 | 74751 | 18.89 | ng/ul | 0.00 |
| 57) Fluorene-d10 | 15.11 | 176 | 392203 | 20.17 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.24 | 200 | 82947 | 19.89 | ng/ul | 0.00 |
| 70) Anthracene-d10 | 16.96 | 188 | 647781 | 19.76 | ng/ul | 0.00 |
| 76) Pyrene-d10 | 19.27 | 212 | 757409 | 21.10 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12 | 23.08 | 264 | 552879 | 20.50 | ng/ul | 0.00 |

Target Compounds

| Target Compounds | R.T. | QIon | Response | Conc | Units | Ovalue |
|--------------------------------|-------|------|----------|-------|--------|--------|
| 2) 1,4-Dioxane | 3.10 | 88 | 11397 | 7.85 | ng/uL# | 27 |
| 4) Benzaldehyde | 6.62 | 77 | 95687 | 22.92 | ng/ul | 96 |
| 6) Phenol | 6.67 | 94 | 133246 | 18.24 | ng/ul | 97 |
| 8) Bis(2-Chloroethyl)ether | 6.90 | 93 | 94991 | 17.86 | ng/ul | 95 |
| 10) 2-Chlorophenol | 7.03 | 128 | 97069 | 19.52 | ng/ul | 97 |
| 11) 2-Methylphenol | 7.90 | 108 | 105199 | 18.89 | ng/ul | 97 |
| 12) 2,2'-oxybis(1-Chloropropan | 8.00 | 45 | 59562 | 16.04 | ng/ul# | 81 |
| 14) Acetophenone | 8.27 | 105 | 182890 | 19.05 | ng/ul | 92 |
| 15) N-Nitroso-di-n-propylamine | 8.26 | 70 | 98558 | 19.05 | ng/ul | 91 |
| 16) 4-Methylphenol | 8.23 | 108 | 117676 | 19.21 | ng/ul | 94 |
| 17) Hexachloroethane | 8.52 | 117 | 46963 | 21.24 | ng/ul | 89 |
| 20) Nitrobenzene | 8.65 | 77 | 153464 | 21.09 | ng/ul | 97 |
| 21) Isophorone | 9.16 | 82 | 266279 | 18.41 | ng/ul | 99 |
| 23) 2-Nitrophenol | 9.35 | 139 | 63334 | 20.78 | ng/ul | 94 |
| 24) 2,4-Dimethylphenol | 9.42 | 107 | 155307 | 20.03 | ng/ul | 98 |
| 25) Bis(2-Chloroethoxy)methane | 9.65 | 93 | 147575 | 18.40 | ng/ul | 95 |
| 27) 2,4-Dichlorophenol | 9.87 | 162 | 124765 | 21.19 | ng/ul# | 91 |
| 28) Naphthalene | 10.27 | 128 | 343485 | 19.74 | ng/ul | 98 |
| 30) 4-Chloroaniline | 10.39 | 127 | 144738 | 22.58 | ng/ul | 98 |
| 31) Hexachlorobutadiene | 10.56 | 225 | 97076 | 21.86 | ng/ul# | 88 |
| 32) Caprolactam | 11.15 | 113 | 39270m | 19.00 | ng/ul | |
| 33) 4-Chloro-3-methylphenol | 11.52 | 107 | 151165 | 20.13 | ng/ul | 92 |
| 34) 2-Methylnaphthalene | 11.89 | 142 | 280241 | 20.04 | ng/ul | 100 |

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| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|--------|----------|
| 36) 1,2,4,5-Tetrachlorobenzene | 12.27 | 216 | 184478 | 20.40 | ng/ul# | 95 |
| 37) Hexachlorocyclopentadiene | 12.25 | 237 | 91359 | 17.58 | ng/ul | 99 |
| 38) 2,4,6-Trichlorophenol | 12.52 | 196 | 125929 | 20.39 | ng/ul | 96 |
| 39) 2,4,5-Trichlorophenol | 12.59 | 196 | 131480 | 20.62 | ng/ul | 96 |
| 40) 1,1'-Biphenyl | 12.93 | 154 | 397383 | 19.84 | ng/ul | 97 |
| 41) 2-Chloronaphthalene | 12.97 | 162 | 309543 | 19.64 | ng/ul | 96 |
| 42) 2-Nitroaniline | 13.18 | 65 | 104414 | 22.65 | ng/ul | 94 |
| 44) Dimethylphthalate | 13.58 | 163 | 419805 | 19.04 | ng/ul | 99 |
| 45) 2,6-Dinitrotoluene | 13.69 | 165 | 85526 | 22.40 | ng/ul# | 82 |
| 47) Acenaphthylene | 13.82 | 152 | 480898 | 19.30 | ng/ul | 99 |
| 48) 3-Nitroaniline | 14.02 | 138 | 82804 | 21.50 | ng/ul | 99 |
| 49) Acenaphthene | 14.17 | 153 | 318461 | 18.95 | ng/ul | 96 |
| 50) 2,4-Dinitrophenol | 14.23 | 184 | 58061 | 20.99 | ng/ul# | 81 |
| 52) 4-Nitrophenol | 14.34 | 109 | 119261 | 23.75 | ng/ul# | 78 |
| 53) Dibenzofuran | 14.51 | 168 | 503287 | 19.77 | ng/ul | 92 |
| 54) 2,4-Dinitrotoluene | 14.49 | 165 | 126927 | 21.42 | ng/ul | 98 |
| 55) 2,3,4,6-Tetrachlorophenol | 14.74 | 232 | 130716 | 20.26 | ng/ul# | 92 |
| 56) Diethylphthalate | 14.96 | 149 | 445625 | 19.21 | ng/ul | 93 |
| 58) Fluorene | 15.16 | 166 | 420617 | 19.74 | ng/ul | 99 |
| 59) 4-Chlorophenyl-phenylether | 15.17 | 204 | 232004 | 20.03 | ng/ul | 93 |
| 60) 4-Nitroaniline | 15.19 | 138 | 85921 | 18.89 | ng/ul | 95 |
| 63) 4,6-Dinitro-2-methylphenol | 15.25 | 198 | 86812 | 19.54 | ng/ul# | 94 |
| 64) N-Nitrosodiphenylamine | 15.39 | 169 | 360625 | 19.15 | ng/ul | 98 |
| 65) 4-Bromophenyl-phenylether | 16.06 | 248 | 153798 | 19.78 | ng/ul# | 87 |
| 66) Hexachlorobenzene | 16.17 | 284 | 160400 | 19.59 | ng/ul# | 79 |
| 67) Atrazine | 16.35 | 200 | 163498 | 20.61 | ng/ul | 96 |
| 68) Pentachlorophenol | 16.52 | 266 | 108428 | 18.78 | ng/ul | 98 |
| 69) Phenanthrene | 16.90 | 178 | 708555 | 19.63 | ng/ul | 99 |
| 71) Anthracene | 17.00 | 178 | 725998 | 19.52 | ng/ul | 99 |
| 72) Carbazole | 17.27 | 167 | 622589 | 19.19 | ng/ul | 98 |
| 73) Di-n-butylphthalate | 17.86 | 149 | 772926 | 18.74 | ng/ul | 99 |
| 74) Fluoranthene | 18.93 | 202 | 919451 | 19.77 | ng/ul# | 97 |
| 77) Pyrene | 19.30 | 202 | 939601 | 21.05 | ng/ul | 99 |
| 78) Butylbenzylphthalate | 20.23 | 149 | 360164 | 21.46 | ng/ul | 98 |
| 79) 3,3'-Dichlorobenzidine | 21.00 | 252 | 299621 | 19.38 | ng/ul# | 94 |
| 80) Benzo(a)anthracene | 21.06 | 228 | 905553 | 20.12 | ng/ul | 99 |
| 81) Bis(2-ethylhexyl)phthalate | 21.02 | 149 | 529213 | 20.67 | ng/ul# | 96 |
| 82) Chrysene | 21.12 | 228 | 806483 | 20.10 | ng/ul | 100 |
| 84) Di-n-octyl phthalate | 21.87 | 149 | 872362 | 22.37 | ng/ul# | 95 |
| 85) Benzo(b)fluoranthene | 22.58 | 252 | 783634 | 21.63 | ng/ul | 98 |
| 86) Benzo(k)fluoranthene | 22.62 | 252 | 705673 | 20.55 | ng/ul | 98 |
| 88) Benzo(a)pyrene | 23.12 | 252 | 680582 | 20.41 | ng/ul | 97 |
| 89) Indeno(1,2,3-cd)pyrene | 25.32 | 276 | 657542 | 19.01 | ng/ul | 99 |
| 90) Dibenzo(a,h)anthracene | 25.34 | 278 | 549956 | 19.08 | ng/ul | 99 |
| 91) Benzo(g,h,i)perylene | 25.97 | 276 | 546157 | 19.83 | ng/ul | 98 |

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

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