

Data Path : Z:\HPCHEM1\BNA M\DATA\BM022718\
 Data File : BM014394.D
 Acq On : 27 Feb 2018 22:02
 Operator : SJ/JU
 Sample : SSTDCCC020EC
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampled :
 SSTD02006

Manual Integrations
 APPROVED

Sohil
 2/28/2018 1:59:30 PM

Quant Time: Feb 28 03:15:44 2018
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Feb 28 00:45:45 2018
 Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.52 | 152 | 96348 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 10.29 | 136 | 409910 | 20.00 | ng/ul | 0.00 |
| 35) Acenaphthene-d10 | 14.18 | 164 | 228487 | 20.00 | ng/ul | 0.00 |
| 61) Phenanthrene-d10 | 16.94 | 188 | 506587 | 20.00 | ng/ul | 0.00 |
| 75) Chrysene-d12 | 21.15 | 240 | 475729 | 20.00 | ng/ul | 0.00 |
| 83) Perylene-d12 | 23.33 | 264 | 470533 | 20.00 | ng/ul | 0.00 |

System Monitoring Compounds

| | | | | | | |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) 1,4-Dioxane-d8 | 3.10 | 96 | 15699 | 6.97 | ng/uL | 0.00 |
| 5) Phenol-d5 | 6.72 | 99 | 151609 | 18.62 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 6.87 | 67 | 95372 | 19.35 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.06 | 132 | 126769 | 20.30 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 8.25 | 113 | 124873 | 17.53 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 8.68 | 128 | 61588 | 20.33 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 9.39 | 143 | 67581 | 21.56 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 9.93 | 165 | 124219 | 19.13 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 10.45 | 131 | 138110 | 21.59 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6 | 13.60 | 166 | 361762 | 19.17 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8 | 13.87 | 160 | 474968 | 20.41 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4 | 14.44 | 143 | 45701 | 17.54 | ng/ul | 0.01 |
| 57) Fluorene-d10 | 15.18 | 176 | 305293 | 18.06 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.34 | 200 | 33857 | 11.14 | ng/ul | 0.00 |
| 70) Anthracene-d10 | 17.04 | 188 | 471210 | 19.28 | ng/ul | 0.00 |
| 76) Pyrene-d10 | 19.35 | 212 | 507475 | 20.68 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12 | 23.19 | 264 | 439683 | 19.20 | ng/ul | 0.00 |

Target Compounds

| Target Compounds | R.T. | QIon | Response | Conc | Units | Ovalue |
|--------------------------------|-------|------|----------|--------|--------|--------|
| 2) 1,4-Dioxane | 3.13 | 88 | 16129 | 6.450 | ng/uL# | 73 |
| 4) Benzaldehyde | 6.69 | 77 | 75329m | 22.689 | ng/ul | |
| 6) Phenol | 6.75 | 94 | 155706 | 18.222 | ng/ul | 90 |
| 8) Bis(2-Chloroethyl)ether | 6.96 | 93 | 119027 | 19.198 | ng/ul | 94 |
| 10) 2-Chlorophenol | 7.09 | 128 | 128626 | 20.176 | ng/ul | 100 |
| 11) 2-Methylphenol | 7.98 | 108 | 119565 | 18.294 | ng/ul | 91 |
| 12) 2,2'-oxybis(1-Chloropropan | 8.04 | 45 | 124065m | 19.829 | ng/ul | |
| 14) Acetophenone | 8.35 | 105 | 198307 | 16.132 | ng/ul | 94 |
| 15) N-Nitroso-di-n-propylamine | 8.33 | 70 | 107262 | 17.412 | ng/ul# | 73 |
| 16) 4-Methylphenol | 8.31 | 108 | 124865 | 17.532 | ng/ul | 90 |
| 17) Hexachloroethane | 8.57 | 117 | 58007 | 17.466 | ng/ul# | 64 |
| 20) Nitrobenzene | 8.72 | 77 | 170992 | 19.087 | ng/ul | 98 |
| 21) Isophorone | 9.24 | 82 | 286322 | 18.684 | ng/ul | 99 |
| 23) 2-Nitrophenol | 9.43 | 139 | 68459 | 20.160 | ng/ul | 90 |
| 24) 2,4-Dimethylphenol | 9.49 | 107 | 153989 | 18.497 | ng/ul | 98 |
| 25) Bis(2-Chloroethoxy)methane | 9.72 | 93 | 158784 | 19.671 | ng/ul | 94 |
| 27) 2,4-Dichlorophenol | 9.96 | 162 | 121435 | 19.709 | ng/ul# | 90 |
| 28) Naphthalene | 10.34 | 128 | 396281 | 18.823 | ng/ul | 100 |
| 30) 4-Chloroaniline | 10.47 | 127 | 144411 | 22.133 | ng/ul | 96 |
| 31) Hexachlorobutadiene | 10.61 | 225 | 90984 | 18.612 | ng/ul | 94 |
| 32) Caprolactam | 11.27 | 113 | 37400m | 18.951 | ng/ul | |
| 33) 4-Chloro-3-methylphenol | 11.62 | 107 | 134126 | 18.015 | ng/ul | 99 |
| 34) 2-Methylnaphthalene | 11.97 | 142 | 281466 | 17.565 | ng/ul | 87 |

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|--------------------------------|-------|------|----------|--------|--------|----------|
| 36) 1,2,4,5-Tetrachlorobenzene | 12.35 | 216 | 151588 | 20.668 | ng/ul# | 97 |
| 37) Hexachlorocyclopentadiene | 12.31 | 237 | 15231 | 3.816 | ng/ul# | 84 |
| 38) 2,4,6-Trichlorophenol | 12.60 | 196 | 96607 | 21.112 | ng/ul | 93 |
| 39) 2,4,5-Trichlorophenol | 12.69 | 196 | 103283m | 22.087 | ng/ul | |
| 40) 1,1'-Biphenyl | 13.00 | 154 | 367423 | 20.875 | ng/ul# | 96 |
| 41) 2-Chloronaphthalene | 13.04 | 162 | 293692 | 20.888 | ng/ul | 92 |
| 42) 2-Nitroaniline | 13.27 | 65 | 96004 | 20.180 | ng/ul | 96 |
| 44) Dimethylphthalate | 13.65 | 163 | 363879 | 19.557 | ng/ul | 97 |
| 45) 2,6-Dinitrotoluene | 13.78 | 165 | 75190 | 21.270 | ng/ul# | 82 |
| 47) Acenaphthylene | 13.90 | 152 | 458739 | 20.860 | ng/ul | 96 |
| 48) 3-Nitroaniline | 14.12 | 138 | 69815 | 23.302 | ng/ul | 92 |
| 49) Acenaphthene | 14.24 | 153 | 310266 | 20.036 | ng/ul | 97 |
| 50) 2,4-Dinitrophenol | 14.36 | 184 | 17083 | 8.985 | ng/ul# | 66 |
| 52) 4-Nitrophenol | 14.46 | 109 | 57766 | 16.913 | ng/ul# | 70 |
| 53) Dibenzofuran | 14.59 | 168 | 439502 | 18.928 | ng/ul | 98 |
| 54) 2,4-Dinitrotoluene | 14.59 | 165 | 109821 | 19.390 | ng/ul# | 81 |
| 55) 2,3,4,6-Tetrachlorophenol | 14.83 | 232 | 84016 | 17.766 | ng/ul# | 75 |
| 56) Diethylphthalate | 15.02 | 149 | 371503 | 17.918 | ng/ul | 94 |
| 58) Fluorene | 15.24 | 166 | 358240 | 17.871 | ng/ul | 99 |
| 59) 4-Chlorophenyl-phenylether | 15.23 | 204 | 187686 | 17.901 | ng/ul | 91 |
| 60) 4-Nitroaniline | 15.29 | 138 | 64997 | 19.344 | ng/ul# | 69 |
| 63) 4,6-Dinitro-2-methylphenol | 15.36 | 198 | 38432m | 12.426 | ng/ul | |
| 64) N-Nitrosodiphenylamine | 15.46 | 169 | 303771 | 20.867 | ng/ul | 98 |
| 65) 4-Bromophenyl-phenylether | 16.13 | 248 | 107676 | 19.048 | ng/ul# | 85 |
| 66) Hexachlorobenzene | 16.24 | 284 | 112459 | 18.918 | ng/ul# | 78 |
| 67) Atrazine | 16.43 | 200 | 106655 | 18.551 | ng/ul | 93 |
| 68) Pentachlorophenol | 16.60 | 266 | 54801 | 17.593 | ng/ul | 87 |
| 69) Phenanthrene | 16.98 | 178 | 559003 | 19.152 | ng/ul | 98 |
| 71) Anthracene | 17.07 | 178 | 559914 | 19.075 | ng/ul | 99 |
| 72) Carbazole | 17.36 | 167 | 477269 | 19.337 | ng/ul | 97 |
| 73) Di-n-butylphthalate | 17.92 | 149 | 617310 | 19.386 | ng/ul | 98 |
| 74) Fluoranthene | 19.01 | 202 | 636059 | 18.240 | ng/ul# | 91 |
| 77) Pyrene | 19.38 | 202 | 645256 | 20.409 | ng/ul# | 96 |
| 78) Butylbenzylphthalate | 20.29 | 149 | 276661 | 21.164 | ng/ul | 97 |
| 79) 3,3'-Dichlorobenzidine | 21.08 | 252 | 149538 | 17.879 | ng/ul# | 94 |
| 80) Benzo(a)anthracene | 21.14 | 228 | 584701 | 19.693 | ng/ul | 99 |
| 81) Bis(2-ethylhexyl)phthalate | 21.07 | 149 | 375238 | 20.043 | ng/ul# | 95 |
| 82) Chrysene | 21.19 | 228 | 529356 | 19.112 | ng/ul | 99 |
| 84) Di-n-octyl phthalate | 21.93 | 149 | 629127 | 15.581 | ng/ul# | 92 |
| 85) Benzo(b)fluoranthene | 22.68 | 252 | 563244 | 17.877 | ng/ul# | 98 |
| 86) Benzo(k)fluoranthene | 22.72 | 252 | 527822 | 17.621 | ng/ul# | 99 |
| 88) Benzo(a)pyrene | 23.24 | 252 | 532929 | 18.929 | ng/ul# | 96 |
| 89) Indeno(1,2,3-cd)pyrene | 25.49 | 276 | 624281 | 22.851 | ng/ul# | 92 |
| 90) Dibenzo(a,h)anthracene | 25.50 | 278 | 525913 | 23.167 | ng/ul# | 97 |
| 91) Benzo(g,h,i)perylene | 26.15 | 276 | 518833 | 23.443 | ng/ul | 98 |

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

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