

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121118\  
 Data File : BM018051.D  
 Acq On : 11 Dec 2018 11:18  
 Operator : JU/SJ  
 Sample : J6155-22  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 A4131

Quant Time: Dec 12 00:32:39 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM111918MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Dec 12 00:24:38 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.55  | 152  | 156571   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.32 | 136  | 678392   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.20 | 164  | 386165   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 16.96 | 188  | 789889   | 20.00 | ng/ul | 0.00     |
| 77) Chrysene-d12          | 21.17 | 240  | 617379   | 20.00 | ng/ul | 0.00     |
| 85) Perylene-d12          | 23.35 | 264  | 612995   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.16  | 96  | 22596   | 6.61  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.75  | 99  | 514989  | 36.01 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.90  | 67  | 276168  | 32.03 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.09  | 132 | 433473  | 38.74 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.27  | 113 | 425067  | 36.38 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.70  | 128 | 193678  | 37.17 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.42  | 143 | 228090  | 38.20 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 9.95  | 165 | 417437  | 36.73 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.47 | 131 | 353437  | 36.23 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 13.62 | 166 | 1211874 | 36.17 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 13.89 | 160 | 1479300 | 36.48 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.44 | 143 | 177176  | 29.08 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.20 | 176 | 985583  | 34.06 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.35 | 200 | 200242  | 35.46 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.06 | 188 | 1435397 | 36.50 | ng/ul | 0.00 |
| 78) Pyrene-d10                 | 19.37 | 212 | 1332710 | 44.61 | ng/ul | 0.00 |
| 89) Benzo(a)pyrene-d12         | 23.21 | 264 | 1163432 | 35.00 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |        |        | Ovalue    |
|--------------------------------|-------|-----|--------|--------|-----------|
| 6) Phenol                      | 6.77  | 94  | 277960 | 19.474 | ng/ul 94  |
| 8) Bis(2-Chloroethyl)ether     | 7.00  | 93  | 606747 | 55.641 | ng/ul 94  |
| 11) 2-Methylphenol             | 8.00  | 108 | 649632 | 59.654 | ng/ul 97  |
| 15) N-Nitroso-di-n-propylamine | 8.37  | 70  | 534018 | 56.222 | ng/ul 97  |
| 16) 4-Methylphenol             | 8.33  | 108 | 703119 | 59.749 | ng/ul 87  |
| 17) Hexachloroethane           | 8.60  | 117 | 176189 | 38.874 | ng/ul 94  |
| 21) Isophorone                 | 9.27  | 82  | 913358 | 37.540 | ng/ul 99  |
| 24) 2,4-Dimethylphenol         | 9.52  | 107 | 586029 | 45.149 | ng/ul 97  |
| 25) Bis(2-Chloroethoxy)methane | 9.75  | 93  | 678511 | 45.573 | ng/ul 99  |
| 27) 2,4-Dichlorophenol         | 9.98  | 162 | 180082 | 16.780 | ng/ul 98  |
| 28) Naphthalene                | 10.37 | 128 | 816755 | 23.108 | ng/ul 99  |
| 31) Hexachlorobutadiene        | 10.64 | 225 | 411773 | 57.773 | ng/ul 97  |
| 32) Caprolactam                | 11.29 | 113 | 140416 | 39.547 | ng/ul 92  |
| 36) 1,2,4,5-Tetrachlorobenzene | 12.37 | 216 | 506344 | 39.296 | ng/ul 99  |
| 37) Hexachlorocyclopentadiene  | 12.33 | 237 | 255934 | 30.800 | ng/ul 99  |
| 39) 2,4,5-Trichlorophenol      | 12.70 | 196 | 373721 | 41.728 | ng/ul 99  |
| 41) 2-Chloronaphthalene        | 13.06 | 162 | 491501 | 19.766 | ng/ul 99  |
| 44) Dimethylphthalate          | 13.67 | 163 | 632501 | 19.484 | ng/ul 100 |
| 47) Acenaphthylene             | 13.92 | 152 | 900062 | 23.766 | ng/ul 98  |
| 48) 3-Nitroaniline             | 14.13 | 138 | 338977 | 55.705 | ng/ul 95  |
| 49) Acenaphthene               | 14.26 | 153 | 906307 | 33.205 | ng/ul 99  |
| 50) 2,4-Dinitrophenol          | 14.35 | 184 | 197597 | 45.689 | ng/ul 99  |
| 53) Dibenzofuran               | 14.60 | 168 | 720353 | 18.651 | ng/ul 99  |

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|--------------------------------|-------|------|----------|--------|--------|----------|
| -----                          |       |      |          |        |        |          |
| 58) Fluorene                   | 15.26 | 166  | 245116   | 7.610  | ng/ul  | 98       |
| 59) 4-Chlorophenyl-phenylether | 15.26 | 204  | 490415   | 29.642 | ng/ul  | 99       |
| 60) 4-Nitroaniline             | 15.31 | 138  | 410966   | 60.749 | ng/ul  | 98       |
| 63) 4,6-Dinitro-2-methylphenol | 15.37 | 198  | 404964   | 69.589 | ng/ul# | 89       |
| 68) Pentachlorophenol          | 16.62 | 266  | 537694   | 86.145 | ng/ul  | 99       |
| 71) Anthracene                 | 17.09 | 178  | 1506737  | 32.617 | ng/ul  | 99       |
| 74) Carbazole                  | 17.37 | 167  | 1537066  | 37.761 | ng/ul  | 99       |
| 76) Fluoranthene               | 19.03 | 202  | 868984   | 16.356 | ng/ul  | 98       |
| 80) Butylbenzylphthalate       | 20.32 | 149  | 460685   | 28.747 | ng/ul  | 96       |
| 83) Bis(2-ethylhexyl)phthalate | 21.10 | 149  | 647794   | 27.298 | ng/ul  | 97       |
| 84) Chrysene                   | 21.21 | 228  | 1156308  | 32.288 | ng/ul  | 99       |
| 88) Benzo(k)fluoranthene       | 22.74 | 252  | 1419940  | 38.343 | ng/ul  | 99       |
| 90) Benzo(a)pyrene             | 23.26 | 252  | 1383068  | 38.276 | ng/ul  | 100      |
| 91) Indeno(1,2,3-cd)pyrene     | 25.50 | 276  | 652876   | 17.052 | ng/ul# | 92       |
| -----                          |       |      |          |        |        |          |

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

