

Data Path : Z:\HPCHEM1\BNA\_M\Data\BM030118\  
 Data File : BM014450.D  
 Acq On : 02 Mar 2018 01:36  
 Operator : SJ/JU  
 Sample : J1678-19  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 BE5Z2

Quant Time: Mar 02 11:46:53 2018  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM021418.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Mar 01 03:03:26 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.52  | 152  | 72539    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.29 | 136  | 346686   | 20.00 | ng/ul | 0.01     |
| 35) Acenaphthene-d10      | 14.18 | 164  | 232598   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 16.94 | 188  | 586473   | 20.00 | ng/ul | 0.01     |
| 75) Chrysene-d12          | 21.16 | 240  | 635236   | 20.00 | ng/ul | 0.01     |
| 83) Perylene-d12          | 23.35 | 264  | 516767   | 20.00 | ng/ul | 0.03     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.09  | 96  | 5295    | 3.12  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.73  | 99  | 175421  | 28.61 | ng/ul | 0.01 |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.87  | 67  | 97405   | 26.25 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.06  | 132 | 140805  | 29.95 | ng/ul | 0.01 |
| 13) 4-Methylphenol-d8          | 8.25  | 113 | 144293  | 26.90 | ng/ul | 0.01 |
| 19) Nitrobenzene-d5            | 8.68  | 128 | 76588   | 29.89 | ng/ul | 0.01 |
| 22) 2-Nitrophenol-d4           | 9.39  | 143 | 79048   | 29.81 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 9.94  | 165 | 161436  | 29.39 | ng/ul | 0.01 |
| 29) 4-Chloroaniline-d4         | 10.46 | 131 | 149882  | 27.70 | ng/ul | 0.01 |
| 43) Dimethylphthalate-d6       | 13.60 | 166 | 550689  | 28.67 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 13.87 | 160 | 737076  | 31.12 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.48 | 143 | 61350   | 23.13 | ng/ul | 0.05 |
| 57) Fluorene-d10               | 15.19 | 176 | 505132  | 29.35 | ng/ul | 0.01 |
| 62) 4,6-Dinitro-2-methylphenol | 15.37 | 200 | 4759    | 1.35  | ng/ul | 0.03 |
| 70) Anthracene-d10             | 17.04 | 188 | 826519  | 29.21 | ng/ul | 0.01 |
| 76) Pyrene-d10                 | 19.36 | 212 | 1007874 | 30.76 | ng/ul | 0.01 |
| 87) Benzo(a)pyrene-d12         | 23.21 | 264 | 743842  | 29.58 | ng/ul | 0.03 |

## Target Compounds

|                                |       |     |        |        | Qvalue |    |
|--------------------------------|-------|-----|--------|--------|--------|----|
| 15) N-Nitroso-di-n-propylamine | 8.25  | 70  | 5393   | 1.163  | ng/ul# | 1  |
| 28) Naphthalene                | 10.34 | 128 | 22050  | 1.238  | ng/ul# | 93 |
| 44) Dimethylphthalate          | 13.64 | 163 | 87867  | 4.639  | ng/ul  | 99 |
| 47) Acenaphthylene             | 13.90 | 152 | 63880  | 2.853  | ng/ul  | 96 |
| 49) Acenaphthene               | 14.24 | 153 | 21544  | 1.367  | ng/ul# | 84 |
| 69) Phenanthrene               | 16.99 | 178 | 535297 | 15.842 | ng/ul  | 99 |
| 71) Anthracene                 | 17.08 | 178 | 127904 | 3.764  | ng/ul  | 96 |
| 72) Carbazole                  | 17.37 | 167 | 44135  | 1.545  | ng/ul# | 96 |
| 74) Fluoranthene               | 19.02 | 202 | 974650 | 24.143 | ng/ul# | 95 |
| 77) Pyrene                     | 19.39 | 202 | 973496 | 23.060 | ng/ul# | 94 |
| 80) Benzo(a)anthracene         | 21.15 | 228 | 499710 | 12.605 | ng/ul  | 96 |
| 82) Chrysene                   | 21.20 | 228 | 481819 | 13.028 | ng/ul  | 97 |
| 85) Benzo(b)fluoranthene       | 22.70 | 252 | 575257 | 16.625 | ng/ul# | 93 |
| 86) Benzo(k)fluoranthene       | 22.70 | 252 | 575257 | 17.486 | ng/ul# | 91 |
| 88) Benzo(a)pyrene             | 23.26 | 252 | 363214 | 11.747 | ng/ul# | 93 |
| 89) Indeno(1,2,3-cd)pyrene     | 25.53 | 276 | 217856 | 7.261  | ng/ul  | 96 |
| 90) Dibenzo(a,h)anthracene     | 25.53 | 278 | 63044  | 2.529  | ng/ul# | 64 |
| 91) Benzo(g,h,i)perylene       | 26.20 | 276 | 177987 | 7.323  | ng/ul# | 92 |

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

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