

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM032020\  
 Data File : BM025658.D  
 Acq On : 20 Mar 2020 12:41  
 Operator : CG/JU  
 Sample : L1786-09  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 C0AC5

Quant Time: Mar 20 13:28:20 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM031420MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Mar 20 11:44:27 2020  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.57  | 152  | 142859   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.35 | 136  | 565639   | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.22 | 164  | 349313   | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 16.96 | 188  | 773479   | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.16 | 240  | 943088   | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 23.31 | 264  | 1077979  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.14  | 96  | 7441   | 2.19  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.76  | 99  | 148106 | 13.14 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.92  | 67  | 90250  | 14.02 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.12  | 132 | 119809 | 13.09 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.28  | 113 | 126544 | 13.66 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.72  | 128 | 63020  | 14.99 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.43  | 143 | 61648  | 13.79 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 9.97  | 165 | 125697 | 13.75 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.48 | 131 | 177302 | 16.71 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6       | 13.63 | 166 | 422682 | 15.92 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8          | 13.90 | 160 | 485440 | 15.26 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4           | 14.42 | 143 | 52266  | 10.34 | ng/ul | 0.00 |
| 58) Fluorene-d10               | 15.22 | 176 | 373756 | 16.04 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.33 | 200 | 39882  | 8.45  | ng/ul | 0.00 |
| 71) Anthracene-d10             | 17.06 | 188 | 566896 | 15.69 | ng/ul | 0.00 |
| 79) Pyrene-d10                 | 19.36 | 212 | 667356 | 14.73 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12         | 23.17 | 264 | 850567 | 15.41 | ng/ul | 0.00 |

## Target Compounds

|                            |       |     |         |        | Ovalue |     |
|----------------------------|-------|-----|---------|--------|--------|-----|
| 28) Naphthalene            | 10.39 | 128 | 747548  | 24.267 | ng/ul  | 98  |
| 34) 2-Methylnaphthalene    | 12.02 | 142 | 332674  | 15.119 | ng/ul  | 95  |
| 41) 1,1'-Biphenyl          | 13.05 | 154 | 102919  | 3.687  | ng/ul  | 98  |
| 48) Acenaphthylene         | 13.93 | 152 | 104100  | 3.022  | ng/ul# | 96  |
| 50) Acenaphthene           | 14.28 | 153 | 330014  | 14.093 | ng/ul  | 99  |
| 54) Dibenzofuran           | 14.62 | 168 | 467108  | 14.061 | ng/ul  | 95  |
| 59) Fluorene               | 15.27 | 166 | 584715  | 20.925 | ng/ul  | 100 |
| 70) Phenanthrene           | 17.00 | 178 | 2422154 | 53.201 | ng/ul  | 99  |
| 72) Anthracene             | 17.09 | 178 | 1671545 | 36.025 | ng/ul  | 99  |
| 75) Carbazole              | 17.36 | 167 | 337311  | 8.318  | ng/ul  | 98  |
| 77) Fluoranthene           | 19.03 | 202 | 2374261 | 44.242 | ng/ul  | 97  |
| 80) Pyrene                 | 19.39 | 202 | 1622634 | 25.618 | ng/ul  | 99  |
| 83) Benzo(a)anthracene     | 21.14 | 228 | 836781  | 13.458 | ng/ul  | 98  |
| 85) Chrysene               | 21.19 | 228 | 691466  | 11.335 | ng/ul  | 98  |
| 88) Benzo(b)fluoranthene   | 22.67 | 252 | 761649  | 11.324 | ng/ul  | 98  |
| 89) Benzo(k)fluoranthene   | 22.71 | 252 | 312137  | 4.711  | ng/ul  | 99  |
| 91) Benzo(a)pyrene         | 23.21 | 252 | 496015  | 8.104  | ng/ul  | 96  |
| 92) Indeno(1,2,3-cd)pyrene | 25.43 | 276 | 280686  | 3.472  | ng/ul  | 97  |
| 93) Dibenzo(a,h)anthracene | 25.43 | 278 | 92596   | 1.353  | ng/ul# | 86  |
| 94) Benzo(g,h,i)perylene   | 26.07 | 276 | 165687  | 2.487  | ng/ul  | 99  |

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

