

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM062919\  
 Data File : BM021274.D  
 Acq On : 29 Jun 2019 22:29  
 Operator : HP/JU  
 Sample : K3593-04  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 C5BC4

Manual Integrations  
 APPROVED

mohammad  
 7/1/2019 2:43:25 PM

Quant Time: Jun 30 00:34:45 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM061419MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Sat Jun 29 23:19:36 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.76  | 152  | 296738   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.55 | 136  | 1301359  | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.40 | 164  | 796408   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.15 | 188  | 1630152  | 20.00 | ng/ul | 0.00     |
| 77) Chrysene-d12          | 21.33 | 240  | 1145807  | 20.00 | ng/ul | 0.00     |
| 85) Perylene-d12          | 23.61 | 264  | 1378516  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.28  | 96  | 20013   | 3.20  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.93  | 99  | 567506  | 21.97 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.10  | 67  | 337875  | 21.96 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.29  | 132 | 473717  | 22.57 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.46  | 113 | 479330  | 22.23 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.92  | 128 | 264953  | 25.07 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.64  | 143 | 314200  | 26.79 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.17 | 165 | 589841  | 24.73 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.69 | 131 | 443006  | 17.81 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 13.82 | 166 | 1846386 | 25.66 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.09 | 160 | 2196170 | 24.93 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.62 | 143 | 216736  | 18.52 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.40 | 176 | 1563206 | 24.97 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.53 | 200 | 162453  | 16.21 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.25 | 188 | 2083270 | 24.59 | ng/ul | 0.00 |
| 78) Pyrene-d10                 | 19.54 | 212 | 1864496 | 27.12 | ng/ul | 0.00 |
| 89) Benzo(a)pyrene-d12         | 23.46 | 264 | 1950973 | 23.99 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |         |       | Ovalue |    |
|--------------------------------|-------|-----|---------|-------|--------|----|
| 44) Dimethylphthalate          | 13.86 | 163 | 251772  | 3.843 | ng/ul  | 99 |
| 69) Phenanthrene               | 17.19 | 178 | 225015  | 2.496 | ng/ul  | 98 |
| 76) Fluoranthene               | 19.21 | 202 | 564879  | 5.799 | ng/ul  | 99 |
| 79) Pyrene                     | 19.57 | 202 | 464755  | 5.737 | ng/ul  | 99 |
| 82) Benzo(a)anthracene         | 21.32 | 228 | 228770  | 2.929 | ng/ul  | 98 |
| 83) Bis(2-ethylhexyl)phthalate | 21.24 | 149 | 143225  | 3.355 | ng/ul  | 99 |
| 84) Chrysene                   | 21.37 | 228 | 265787  | 3.633 | ng/ul  | 99 |
| 87) Benzo(b)fluoranthene       | 22.92 | 252 | 415212  | 4.755 | ng/ul# | 95 |
| 88) Benzo(k)fluoranthene       | 22.96 | 252 | 154468m | 1.839 | ng/ul  |    |
| 90) Benzo(a)pyrene             | 23.51 | 252 | 246958  | 3.005 | ng/ul# | 97 |
| 91) Indeno(1,2,3-cd)pyrene     | 25.90 | 276 | 203898  | 2.107 | ng/ul  | 99 |
| 93) Benzo(g,h,i)perylene       | 26.60 | 276 | 172866  | 2.169 | ng/ul  | 99 |

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

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