

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM061017\  
 Data File : BM010514.D  
 Acq On : 11 Jun 2017 08:22  
 Operator : SJ/MA  
 Sample : I3520-14  
 Misc :  
 ALS Vial : 39 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 F5B41

Manual Integrations  
 APPROVED

mohammad  
 6/12/2017 3:41:21 PM

Quant Time: Jun 12 09:34:45 2017  
 Quant Method : Z:\HPCHEM1\BNA\_M\Methods\SOM-EPA-BM052717.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Jun 12 09:00:46 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.89  | 152  | 152026   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.69 | 136  | 567930   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.53 | 164  | 390911   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.27 | 188  | 1016345  | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 21.44 | 240  | 1497747  | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 23.78 | 264  | 1510489  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.36  | 96  | 10675   | 2.88  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 7.07  | 99  | 180069  | 15.63 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.23  | 67  | 104125  | 16.08 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.43  | 132 | 155369  | 16.92 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.62  | 113 | 151003  | 16.25 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 9.07  | 128 | 73636   | 17.70 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.79  | 143 | 91780   | 19.05 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.32 | 165 | 195399  | 19.74 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.86 | 131 | 177625  | 18.60 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 13.95 | 166 | 657234  | 20.24 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.23 | 160 | 720814  | 19.02 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.77 | 143 | 64738   | 13.32 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.52 | 176 | 572541  | 20.05 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.64 | 200 | 104106  | 14.46 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.37 | 188 | 926902  | 18.74 | ng/ul | 0.00 |
| 76) Pyrene-d10                 | 19.66 | 212 | 1186190 | 19.15 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12         | 23.63 | 264 | 1299910 | 18.48 | ng/ul | 0.00 |

## Target Compounds

|                            |       |     |          |               | Qvalue |
|----------------------------|-------|-----|----------|---------------|--------|
| 6) Phenol                  | 7.10  | 94  | 15591    | 1.320 ng/ul#  | 78     |
| 44) Dimethylphthalate      | 13.99 | 163 | 196364   | 6.148 ng/ul   | 99     |
| 47) Acenaphthylene         | 14.26 | 152 | 82364    | 2.224 ng/ul#  | 92     |
| 69) Phenanthrene           | 17.32 | 178 | 60915m   | 1.123 ng/ul   |        |
| 71) Anthracene             | 17.41 | 178 | 205976   | 3.636 ng/ul   | 97     |
| 74) Fluoranthene           | 19.33 | 202 | 555481m  | 8.325 ng/ul   |        |
| 77) Pyrene                 | 19.69 | 202 | 880783   | 11.412 ng/ul# | 94     |
| 80) Benzo(a)anthracene     | 21.43 | 228 | 936766   | 11.091 ng/ul  | 95     |
| 82) Chrysene               | 21.48 | 228 | 570643   | 7.474 ng/ul   | 97     |
| 85) Benzo(b)fluoranthene   | 23.07 | 252 | 3275282  | 37.265 ng/ul  | 98     |
| 86) Benzo(k)fluoranthene   | 23.11 | 252 | 786850m  | 9.371 ng/ul   |        |
| 88) Benzo(a)pyrene         | 23.68 | 252 | 1439670m | 16.525 ng/ul  |        |
| 89) Indeno(1,2,3-cd)pyrene | 26.16 | 276 | 989886   | 8.993 ng/ul#  | 97     |
| 90) Dibenzo(a,h)anthracene | 26.15 | 278 | 279546   | 2.949 ng/ul#  | 87     |
| 91) Benzo(g,h,i)perylene   | 26.90 | 276 | 703403   | 7.757 ng/ul   | 99     |

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

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