

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM121817\  
 Data File : BM013494.D  
 Acq On : 18 Dec 2017 12:25  
 Operator : SJ/JU  
 Sample : I6775-15ME  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 F9A50ME

Manual Integrations  
 APPROVED

Sohil  
 12/19/2017 4:56:17 PM

Quant Time: Dec 18 16:53:01 2017  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM113017.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Dec 18 14:36:05 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.67  | 152  | 201419   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.45 | 136  | 907674   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.32 | 164  | 528405   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.07 | 188  | 1162698  | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 21.27 | 240  | 952257   | 20.00 | ng/ul | 0.01     |
| 83) Perylene-d12          | 23.50 | 264  | 844440   | 20.00 | ng/ul | 0.02     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.22  | 96  | 21631   | 5.32  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.85  | 99  | 615157  | 35.29 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.02  | 67  | 336527  | 33.86 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.21  | 132 | 494497  | 36.31 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.38  | 113 | 524377  | 35.22 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.83  | 128 | 252927  | 35.14 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.55  | 143 | 279623  | 36.29 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.07 | 165 | 546252  | 34.41 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.59 | 131 | 590726  | 40.49 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 13.73 | 166 | 1582777 | 33.66 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.00 | 160 | 2079801 | 35.84 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.54 | 143 | 240856  | 29.48 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.31 | 176 | 1369862 | 33.88 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.45 | 200 | 218631  | 29.89 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.17 | 188 | 2080727 | 35.73 | ng/ul | 0.00 |
| 76) Pyrene-d10                 | 19.47 | 212 | 2039817 | 43.00 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12         | 23.36 | 264 | 1442566 | 33.54 | ng/ul | 0.02 |

## Target Compounds

|                            |       |     |          |         | Qvalue |     |
|----------------------------|-------|-----|----------|---------|--------|-----|
| 6) Phenol                  | 6.88  | 94  | 31963    | 1.855   | ng/ul# | 83  |
| 28) Naphthalene            | 10.50 | 128 | 440898   | 9.441   | ng/ul  | 98  |
| 34) 2-Methylnaphthalene    | 12.12 | 142 | 141042   | 4.018   | ng/ul  | 85  |
| 40) 1,1'-Biphenyl          | 13.15 | 154 | 63972    | 1.432   | ng/ul  | 98  |
| 44) Dimethylphthalate      | 13.77 | 163 | 270326   | 6.011   | ng/ul  | 100 |
| 47) Acenaphthylene         | 14.04 | 152 | 1283098  | 23.895  | ng/ul  | 99  |
| 49) Acenaphthene           | 14.38 | 153 | 492608   | 13.467  | ng/ul  | 98  |
| 53) Dibenzofuran           | 14.72 | 168 | 428063   | 7.927   | ng/ul  | 98  |
| 58) Fluorene               | 15.37 | 166 | 298752   | 6.687   | ng/ul  | 99  |
| 68) Pentachlorophenol      | 16.72 | 266 | 285416   | 32.740  | ng/ul  | 97  |
| 69) Phenanthrene           | 17.11 | 178 | 3662871  | 55.452  | ng/ul  | 100 |
| 71) Anthracene             | 17.20 | 178 | 2393753  | 35.453  | ng/ul  | 99  |
| 72) Carbazole              | 17.47 | 167 | 462373   | 7.962   | ng/ul  | 98  |
| 74) Fluoranthene           | 19.14 | 202 | 7352980  | 90.835  | ng/ul# | 93  |
| 77) Pyrene                 | 19.50 | 202 | 8666393  | 149.802 | ng/ul# | 90  |
| 80) Benzo(a)anthracene     | 21.25 | 228 | 5027988  | 83.219  | ng/ul  | 95  |
| 82) Chrysene               | 21.31 | 228 | 7606402  | 135.700 | ng/ul  | 98  |
| 85) Benzo(b)fluoranthene   | 22.85 | 252 | 15271185 | 268.269 | ng/ul# | 98  |
| 86) Benzo(k)fluoranthene   | 22.88 | 252 | 4044725m | 75.503  | ng/ul  |     |
| 88) Benzo(a)pyrene         | 23.42 | 252 | 6748185  | 131.966 | ng/ul# | 97  |
| 89) Indeno(1,2,3-cd)pyrene | 25.75 | 276 | 4280454  | 84.364  | ng/ul# | 96  |
| 90) Dibenzo(a,h)anthracene | 25.74 | 278 | 1112905  | 25.760  | ng/ul# | 91  |
| 91) Benzo(g,h,i)perylene   | 26.43 | 276 | 3176257  | 79.364  | ng/ul# | 95  |

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|       |  |  |  |  |  |  |
|-------|--|--|--|--|--|--|
| ----- |  |  |  |  |  |  |
| ----- |  |  |  |  |  |  |

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

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