

Data Path : Z:\HPCHEM1\BNA M\DATA\BM022718\  
 Data File : BM014386.D  
 Acq On : 27 Feb 2018 17:13  
 Operator : SJ/JU  
 Sample : J1631-08  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 BE5Y9

Manual Integrations  
 APPROVED

Sohil  
 2/28/2018 1:59:14 PM

Quant Time: Feb 28 01:09:26 2018  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Feb 28 00:45:45 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.52  | 152  | 103906   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.29 | 136  | 434752   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.18 | 164  | 239670   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 16.94 | 188  | 503188   | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 21.16 | 240  | 493360   | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 23.34 | 264  | 479990   | 20.00 | ng/ul | 0.02     |

## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.10  | 96  | 13110  | 5.40  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.73  | 99  | 240568 | 27.39 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.87  | 67  | 158359 | 29.79 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.06  | 132 | 205268 | 30.48 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.25  | 113 | 183947 | 23.94 | ng/ul | 0.01 |
| 19) Nitrobenzene-d5            | 8.68  | 128 | 104613 | 32.56 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.39  | 143 | 119269 | 35.87 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 9.94  | 165 | 194575 | 28.25 | ng/ul | 0.01 |
| 29) 4-Chloroaniline-d4         | 10.46 | 131 | 150477 | 22.18 | ng/ul | 0.01 |
| 43) Dimethylphthalate-d6       | 13.60 | 166 | 658111 | 33.25 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 13.87 | 160 | 824959 | 33.80 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.45 | 143 | 58993m | 21.59 | ng/ul | 0.02 |
| 57) Fluorene-d10               | 15.18 | 176 | 550893 | 31.07 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.34 | 200 | 21414  | 7.09  | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.04 | 188 | 811896 | 33.44 | ng/ul | 0.00 |
| 76) Pyrene-d10                 | 19.35 | 212 | 839613 | 33.00 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12         | 23.20 | 264 | 747025 | 31.98 | ng/ul | 0.02 |

## Target Compounds

|                                |       |     |         |         | Ovalue |    |
|--------------------------------|-------|-----|---------|---------|--------|----|
| 14) Acetophenone               | 8.35  | 105 | 17211   | 1.298   | ng/ul# | 74 |
| 28) Naphthalene                | 10.34 | 128 | 61927   | 2.773   | ng/ul  | 97 |
| 34) 2-Methylnaphthalene        | 11.97 | 142 | 28246m  | 1.662   | ng/ul  |    |
| 44) Dimethylphthalate          | 13.65 | 163 | 130707  | 6.697   | ng/ul  | 99 |
| 47) Acenaphthylene             | 13.90 | 152 | 68998   | 2.991   | ng/ul  | 97 |
| 49) Acenaphthene               | 14.25 | 153 | 50638   | 3.117   | ng/ul# | 85 |
| 53) Dibenzofuran               | 14.59 | 168 | 39500   | 1.622   | ng/ul# | 83 |
| 58) Fluorene                   | 15.23 | 166 | 53910m  | 2.564   | ng/ul  |    |
| 69) Phenanthrene               | 16.99 | 178 | 956589  | 32.995  | ng/ul  | 99 |
| 71) Anthracene                 | 17.07 | 178 | 259836  | 8.912   | ng/ul  | 98 |
| 72) Carbazole                  | 17.36 | 167 | 93443   | 3.811   | ng/ul  | 98 |
| 73) Di-n-butylphthalate        | 17.92 | 149 | 49239   | 1.557   | ng/ul# | 90 |
| 74) Fluoranthene               | 19.02 | 202 | 1783250 | 51.483  | ng/ul# | 92 |
| 77) Pyrene                     | 19.38 | 202 | 1668763 | 50.897  | ng/ul# | 92 |
| 78) Butylbenzylphthalate       | 20.29 | 149 | 67740   | 4.997   | ng/ul# | 78 |
| 80) Benzo(a)anthracene         | 21.14 | 228 | 919244  | 29.855  | ng/ul  | 94 |
| 81) Bis(2-ethylhexyl)phthalate | 21.08 | 149 | 4868751 | 250.764 | ng/ul# | 96 |
| 82) Chrysene                   | 21.19 | 228 | 875231  | 30.471  | ng/ul  | 98 |
| 85) Benzo(b)fluoranthene       | 22.69 | 252 | 1138015 | 35.409  | ng/ul# | 95 |
| 86) Benzo(k)fluoranthene       | 22.72 | 252 | 405678m | 13.276  | ng/ul  |    |
| 88) Benzo(a)pyrene             | 23.24 | 252 | 843571  | 29.373  | ng/ul# | 96 |
| 89) Indeno(1,2,3-cd)pyrene     | 25.50 | 276 | 580060  | 20.814  | ng/ul# | 91 |
| 90) Dibenzo(a,h)anthracene     | 25.50 | 278 | 152673  | 6.593   | ng/ul# | 85 |

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|--------------------------|-------|------|----------|--------|--------|----------|
| 91) Benzo(q,h,i)perylene | 26.17 | 276  | 464751   | 20.586 | ng/ul# | 95       |

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

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