

Data File : BM013486.D

Acq On : 16 Dec 2017 20:44

Operator : SJ/JU

Sample : I6776-06DL 30X

Misc :

ALS Vial : 43 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :

Quant Time: Dec 18 03:54:36 2017

Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM113017.M

Quant Title : SVOA CALIBRATION

QLast Update : Mon Dec 18 03:13:05 2017

Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.67  | 152  | 207936   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.45 | 136  | 937668   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.32 | 164  | 541585   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.07 | 188  | 1186306  | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 21.26 | 240  | 980433   | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 23.48 | 264  | 831038   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |       |      |       |      |
|--------------------------------|-------|-----|-------|------|-------|------|
| 3) 1,4-Dioxane-d8              | 0.00  | 96  | 0d    | 0.00 | ng/uL |      |
| 5) Phenol-d5                   | 6.86  | 99  | 15667 | 0.87 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.02  | 67  | 9423  | 0.92 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.22  | 132 | 12504 | 0.89 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.39  | 113 | 14117 | 0.92 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.83  | 128 | 6709m | 0.90 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.55  | 143 | 7141  | 0.90 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.10 | 165 | 14098 | 0.86 | ng/ul | 0.02 |
| 29) 4-Chloroaniline-d4         | 10.61 | 131 | 14042 | 0.93 | ng/ul | 0.01 |
| 43) Dimethylphthalate-d6       | 13.73 | 166 | 48036 | 1.00 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.01 | 160 | 58729 | 0.99 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.55 | 143 | 4797m | 0.57 | ng/ul | 0.01 |
| 57) Fluorene-d10               | 15.31 | 176 | 43811 | 1.06 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.47 | 200 | 5090  | 0.68 | ng/ul | 0.02 |
| 70) Anthracene-d10             | 17.17 | 188 | 65941 | 1.11 | ng/ul | 0.00 |
| 76) Pyrene-d10                 | 19.46 | 212 | 65578 | 1.34 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12         | 23.34 | 264 | 44188 | 1.04 | ng/ul | 0.00 |

## Target Compounds

|                            |       |     |          |        |        | Qvalue |
|----------------------------|-------|-----|----------|--------|--------|--------|
| 28) Naphthalene            | 10.50 | 128 | 3484326  | 72.23  | ng/ul  | 99     |
| 34) 2-Methylnaphthalene    | 12.12 | 142 | 940461   | 25.93  | ng/ul  | 95     |
| 40) 1,1'-Biphenyl          | 13.15 | 154 | 324989   | 7.10   | ng/ul  | 96     |
| 47) Acenaphthylene         | 14.04 | 152 | 88725    | 1.61   | ng/ul# | 95     |
| 49) Acenaphthene           | 14.39 | 153 | 2983000  | 79.56  | ng/ul  | 98     |
| 53) Dibenzofuran           | 14.72 | 168 | 2326953  | 42.04  | ng/ul  | 99     |
| 58) Fluorene               | 15.37 | 166 | 2352882  | 51.39  | ng/ul  | 97     |
| 68) Pentachlorophenol      | 16.73 | 266 | 14466    | 1.63   | ng/ul# | 78     |
| 69) Phenanthrene           | 17.12 | 178 | 13290329 | 197.20 | ng/ul  | 94     |
| 71) Anthracene             | 17.20 | 178 | 2104930  | 30.55  | ng/ul  | 99     |
| 72) Carbazole              | 17.47 | 167 | 440087   | 7.43   | ng/ul  | 99     |
| 74) Fluoranthene           | 19.14 | 202 | 10452153 | 126.55 | ng/ul# | 90     |
| 77) Pyrene                 | 19.50 | 202 | 6834993  | 114.75 | ng/ul# | 90     |
| 80) Benzo(a)anthracene     | 21.24 | 228 | 1271928  | 20.45  | ng/ul  | 98     |
| 82) Chrysene               | 21.30 | 228 | 1177236  | 20.40  | ng/ul  | 99     |
| 85) Benzo(b)fluoranthene   | 22.82 | 252 | 634387   | 11.32  | ng/ul# | 97     |
| 86) Benzo(k)fluoranthene   | 22.85 | 252 | 180974m  | 3.43   | ng/ul  |        |
| 88) Benzo(a)pyrene         | 23.38 | 252 | 308802   | 6.14   | ng/ul# | 98     |
| 89) Indeno(1,2,3-cd)pyrene | 25.70 | 276 | 99208    | 1.99   | ng/ul  | 98     |
| 91) Benzo(g,h,i)perylene   | 26.39 | 276 | 79411    | 2.02   | ng/ul# | 93     |

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

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