

Data Path : Z:\HPCHEM1\BNA M\DATA\BM042518\  
 Data File : BM014846.D  
 Acq On : 25 Apr 2018 22:36  
 Operator : SJ/JU  
 Sample : J2431-16DL2 30X  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampled :  
 DASP7DL2

Manual Integrations  
 APPROVED

Sohil  
 4/26/2018 6:21:20 PM

Quant Time: Apr 26 03:02:04 2018  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM041918.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Apr 26 01:59:14 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.50  | 152  | 303563   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 11.35 | 136  | 1255574  | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 15.11 | 164  | 652470   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.82 | 188  | 1373451  | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 21.91 | 240  | 1408565  | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 24.39 | 264  | 1483903  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |       |      |       |       |
|--------------------------------|-------|-----|-------|------|-------|-------|
| 3) 1,4-Dioxane-d8              | 3.65  | 96  | 1474  | 0.21 | ng/uL | 0.00  |
| 5) Phenol-d5                   | 7.62  | 99  | 16669 | 0.71 | ng/ul | 0.00  |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.80  | 67  | 14327 | 0.95 | ng/ul | 0.00  |
| 9) 2-Chlorophenol-d4           | 8.02  | 132 | 14351 | 0.73 | ng/ul | 0.00  |
| 13) 4-Methylphenol-d8          | 9.20  | 113 | 13283 | 0.71 | ng/ul | 0.00  |
| 19) Nitrobenzene-d5            | 9.69  | 128 | 6028  | 0.66 | ng/ul | 0.00  |
| 22) 2-Nitrophenol-d4           | 10.42 | 143 | 5496  | 0.61 | ng/ul | 0.00  |
| 26) 2,4-Dichlorophenol-d3      | 10.95 | 165 | 11673 | 0.64 | ng/ul | 0.00  |
| 29) 4-Chloroaniline-d4         | 11.47 | 131 | 20264 | 1.12 | ng/ul | 0.00  |
| 43) Dimethylphthalate-d6       | 14.50 | 166 | 38234 | 0.75 | ng/ul | 0.00  |
| 46) Acenaphthylene-d8          | 14.81 | 160 | 40932 | 0.65 | ng/ul | 0.00  |
| 51) 4-Nitrophenol-d4           | 15.27 | 143 | 3579  | 0.38 | ng/ul | 0.00  |
| 57) Fluorene-d10               | 16.09 | 176 | 37277 | 0.84 | ng/ul | 0.00  |
| 62) 4,6-Dinitro-2-methylphenol | 16.19 | 200 | 1857  | 0.25 | ng/ul | 0.00  |
| 70) Anthracene-d10             | 17.92 | 188 | 49046 | 0.77 | ng/ul | 0.00  |
| 76) Pyrene-d10                 | 20.16 | 212 | 56534 | 0.85 | ng/ul | 0.00  |
| 87) Benzo(a)pyrene-d12         | 24.23 | 264 | 60482 | 0.83 | ng/ul | -0.01 |

## Target Compounds

|                                |       |     |         |        | Ovalue |    |
|--------------------------------|-------|-----|---------|--------|--------|----|
| 34) 2-Methylnaphthalene        | 12.97 | 142 | 90486   | 2.130  | ng/ul  | 98 |
| 40) 1,1'-Biphenyl              | 13.95 | 154 | 84341   | 1.607  | ng/ul# | 99 |
| 49) Acenaphthene               | 15.17 | 153 | 457502  | 10.565 | ng/ul  | 98 |
| 53) Dibenzofuran               | 15.50 | 168 | 597665  | 9.939  | ng/ul  | 99 |
| 58) Fluorene                   | 16.14 | 166 | 805507  | 16.590 | ng/ul  | 98 |
| 69) Phenanthrene               | 17.86 | 178 | 4886256 | 66.245 | ng/ul  | 99 |
| 71) Anthracene                 | 17.95 | 178 | 612372  | 8.181  | ng/ul  | 98 |
| 74) Fluoranthene               | 19.83 | 202 | 2861990 | 35.589 | ng/ul# | 81 |
| 77) Pyrene                     | 20.19 | 202 | 1976481 | 24.016 | ng/ul# | 79 |
| 80) Benzo(a)anthracene         | 21.89 | 228 | 611840  | 7.428  | ng/ul  | 99 |
| 81) Bis(2-ethylhexyl)phthalate | 21.77 | 149 | 189106  | 3.837  | ng/ul# | 97 |
| 82) Chrysene                   | 21.94 | 228 | 393888  | 5.108  | ng/ul  | 96 |
| 85) Benzo(b)fluoranthene       | 23.63 | 252 | 374233  | 4.278  | ng/ul# | 95 |
| 86) Benzo(k)fluoranthene       | 23.68 | 252 | 123738m | 1.471  | ng/ul  |    |
| 88) Benzo(a)pyrene             | 24.28 | 252 | 236236  | 2.847  | ng/ul# | 95 |

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

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