

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN091718\  
 Data File : BN002720.D  
 Acq On : 17 Sep 2018 11:31  
 Operator : JU/SJ  
 Sample : J4868-12  
 Misc : PE  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 DB3M8

Quant Time: Sep 21 09:43:05 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN091418MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Sat Sep 15 04:34:35 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.65  | 152  | 153345   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.42 | 136  | 679799   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.29 | 164  | 398465   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.04 | 188  | 902248   | 20.00 | ng/ul | 0.00     |
| 77) Chrysene-d12          | 21.25 | 240  | 797473   | 20.00 | ng/ul | 0.00     |
| 85) Perylene-d12          | 23.46 | 264  | 650408   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.22  | 96  | 19210   | 5.78  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.83  | 99  | 466119  | 35.79 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.99  | 67  | 282216  | 34.90 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.19  | 132 | 377402  | 35.21 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.36  | 113 | 375963  | 37.28 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.80  | 128 | 186446  | 35.41 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.51  | 143 | 216455  | 36.32 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.05 | 165 | 383484  | 35.65 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.56 | 131 | 404708  | 32.52 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 13.70 | 166 | 1196892 | 38.37 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 13.97 | 160 | 1472220 | 36.15 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.52 | 143 | 209150  | 40.55 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.29 | 176 | 1004613 | 36.77 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.43 | 200 | 183617  | 32.54 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.14 | 188 | 1571293 | 36.48 | ng/ul | 0.00 |
| 78) Pyrene-d10                 | 19.44 | 212 | 1641697 | 39.01 | ng/ul | 0.00 |
| 89) Benzo(a)pyrene-d12         | 23.32 | 264 | 1290893 | 37.71 | ng/ul | 0.01 |

## Target Compounds

|                                |       |     |         |        | Ovalue    |
|--------------------------------|-------|-----|---------|--------|-----------|
| 10) 2-Chlorophenol             | 7.22  | 128 | 411393  | 38.677 | ng/ul 98  |
| 12) 2,2'-oxybis(1-Chloropropan | 8.18  | 45  | 867444  | 54.836 | ng/ul 98  |
| 14) Acetophenone               | 8.46  | 105 | 628822  | 40.470 | ng/ul 97  |
| 17) Hexachloroethane           | 8.70  | 117 | 79962   | 18.700 | ng/ul 95  |
| 20) Nitrobenzene               | 8.84  | 77  | 699605  | 57.158 | ng/ul 96  |
| 23) 2-Nitrophenol              | 9.55  | 139 | 295127  | 47.831 | ng/ul 98  |
| 27) 2,4-Dichlorophenol         | 10.08 | 162 | 252123  | 24.149 | ng/ul 95  |
| 28) Naphthalene                | 10.47 | 128 | 537820  | 15.350 | ng/ul 99  |
| 33) 4-Chloro-3-methylphenol    | 11.72 | 107 | 550325  | 51.694 | ng/ul 98  |
| 36) 1,2,4,5-Tetrachlorobenzene | 12.46 | 216 | 245397  | 18.539 | ng/ul 98  |
| 38) 2,4,6-Trichlorophenol      | 12.71 | 196 | 264183  | 31.284 | ng/ul 100 |
| 40) 1,1'-Biphenyl              | 13.11 | 154 | 1255269 | 38.248 | ng/ul 100 |
| 42) 2-Nitroaniline             | 13.37 | 65  | 496919  | 69.501 | ng/ul 99  |
| 45) 2,6-Dinitrotoluene         | 13.87 | 165 | 278927  | 45.480 | ng/ul 96  |
| 47) Acenaphthylene             | 14.00 | 152 | 2025987 | 52.950 | ng/ul 100 |
| 49) Acenaphthene               | 14.35 | 153 | 118460  | 4.371  | ng/ul 99  |
| 52) 4-Nitrophenol              | 14.53 | 109 | 241692  | 67.351 | ng/ul 97  |
| 53) Dibenzofuran               | 14.69 | 168 | 748181  | 20.076 | ng/ul 100 |
| 54) 2,4-Dinitrotoluene         | 14.67 | 165 | 478833  | 55.189 | ng/ul 92  |
| 56) Diethylphthalate           | 15.12 | 149 | 1517826 | 50.892 | ng/ul 100 |
| 58) Fluorene                   | 15.34 | 166 | 254943  | 8.540  | ng/ul 99  |
| 64) N-Nitrosodiphenylamine     | 15.56 | 169 | 1364721 | 48.744 | ng/ul 99  |
| 66) Hexachlorobenzene          | 16.35 | 284 | 422102  | 39.063 | ng/ul 99  |

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| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 68) Pentachlorophenol      | 16.70 | 266  | 237433   | 47.176 | ng/ul | 97       |
| 69) Phenanthrene           | 17.08 | 178  | 1563800  | 31.458 | ng/ul | 100      |
| 75) Di-n-butylphthalate    | 18.01 | 149  | 2288210  | 44.091 | ng/ul | 100      |
| 79) Pyrene                 | 19.47 | 202  | 907764   | 17.216 | ng/ul | 98       |
| 81) 3,3'-Dichlorobenzidine | 21.16 | 252  | 92437    | 5.740  | ng/ul | 96       |
| 82) Benzo(a)anthracene     | 21.23 | 228  | 1950367  | 39.314 | ng/ul | 100      |
| 86) Di-n-octyl phthalate   | 22.03 | 149  | 1597694  | 37.163 | ng/ul | 99       |
| 87) Benzo(b)fluoranthene   | 22.80 | 252  | 1310598  | 32.995 | ng/ul | 98       |
| 90) Benzo(a)pyrene         | 23.36 | 252  | 732440   | 19.505 | ng/ul | 98       |
| 92) Dibenzo(a,h)anthracene | 25.69 | 278  | 1620607  | 43.263 | ng/ul | 99       |
| 93) Benzo(a,h,i)perylene   | 26.34 | 276  | 834628   | 22.458 | ng/ul | 98       |

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

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