

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN053119\  
 Data File : BN005978.D  
 Acq On : 31 May 2019 13:17  
 Operator : JU/SJ  
 Sample : K2928-03  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 A42B7

Quant Time: May 31 14:18:35 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN052819MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri May 31 14:10:13 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.74  | 152  | 528312   | 20.00 | ng/ul | 0.01     |
| 18) Naphthalene-d8        | 10.54 | 136  | 1943174  | 20.00 | ng/ul | 0.01     |
| 35) Acenaphthene-d10      | 14.41 | 164  | 898516   | 20.00 | ng/ul | 0.02     |
| 61) Phenanthrene-d10      | 17.16 | 188  | 1727445  | 20.00 | ng/ul | 0.02     |
| 77) Chrysene-d12          | 21.41 | 240  | 1183905  | 20.00 | ng/ul | 0.05     |
| 85) Perylene-d12          | 23.59 | 264  | 2119858  | 20.00 | ng/ul | -0.05    |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.26  | 96  | 63484   | 5.29  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.92  | 99  | 1134175 | 24.22 | ng/ul | 0.02 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.08  | 67  | 674010  | 25.23 | ng/ul | 0.01 |
| 9) 2-Chlorophenol-d4           | 7.28  | 132 | 932049  | 26.13 | ng/ul | 0.01 |
| 13) 4-Methylphenol-d8          | 8.45  | 113 | 810013  | 21.43 | ng/ul | 0.02 |
| 19) Nitrobenzene-d5            | 8.90  | 128 | 420106  | 33.68 | ng/ul | 0.01 |
| 22) 2-Nitrophenol-d4           | 9.62  | 143 | 412447  | 35.51 | ng/ul | 0.02 |
| 26) 2,4-Dichlorophenol-d3      | 10.16 | 165 | 757172  | 27.61 | ng/ul | 0.02 |
| 29) 4-Chloroaniline-d4         | 10.68 | 131 | 435608  | 12.11 | ng/ul | 0.02 |
| 43) Dimethylphthalate-d6       | 13.81 | 166 | 1875403 | 28.31 | ng/ul | 0.02 |
| 46) Acenaphthylene-d8          | 14.09 | 160 | 2401783 | 28.99 | ng/ul | 0.02 |
| 51) 4-Nitrophenol-d4           | 14.62 | 143 | 264169  | 21.91 | ng/ul | 0.03 |
| 57) Fluorene-d10               | 15.41 | 176 | 1738959 | 31.30 | ng/ul | 0.02 |
| 62) 4,6-Dinitro-2-methylphenol | 15.55 | 200 | 40139   | 5.70  | ng/ul | 0.04 |
| 70) Anthracene-d10             | 17.27 | 188 | 2094747 | 28.49 | ng/ul | 0.04 |
| 78) Pyrene-d10                 | 19.58 | 212 | 1935194 | 32.37 | ng/ul | 0.04 |
| 89) Benzo(a)pyrene-d12         | 23.59 | 264 | 2065274 | 21.83 | ng/ul | 0.09 |

## Target Compounds

|                                |       |     |          |         | Qvalue    |
|--------------------------------|-------|-----|----------|---------|-----------|
| 6) Phenol                      | 6.94  | 94  | 76889    | 1.594   | ng/ul 96  |
| 28) Naphthalene                | 10.59 | 128 | 1743301  | 18.903  | ng/ul 99  |
| 30) 4-Chloroaniline            | 10.59 | 127 | 228111   | 6.324   | ng/ul# 6  |
| 34) 2-Methylnaphthalene        | 12.21 | 142 | 516669   | 7.605   | ng/ul 98  |
| 40) 1,1'-Biphenyl              | 13.23 | 154 | 199504   | 2.994   | ng/ul 99  |
| 44) Dimethylphthalate          | 13.86 | 163 | 696168   | 10.515  | ng/ul 100 |
| 47) Acenaphthylene             | 14.12 | 152 | 513613   | 6.321   | ng/ul# 96 |
| 49) Acenaphthene               | 14.47 | 153 | 1804751  | 32.696  | ng/ul 99  |
| 53) Dibenzofuran               | 14.81 | 168 | 1615254  | 20.729  | ng/ul 98  |
| 58) Fluorene                   | 15.46 | 166 | 2494343  | 40.757  | ng/ul 97  |
| 60) 4-Nitroaniline             | 15.46 | 138 | 29617    | 1.974   | ng/ul# 18 |
| 69) Phenanthrene               | 17.31 | 178 | 8406928  | 98.225  | ng/ul 98  |
| 71) Anthracene                 | 17.31 | 178 | 8403892  | 96.715  | ng/ul 98  |
| 74) Carbazole                  | 17.57 | 167 | 4265196  | 54.487  | ng/ul 99  |
| 76) Fluoranthene               | 19.39 | 202 | 385399   | 4.218   | ng/ul 97  |
| 79) Pyrene                     | 19.68 | 202 | 119297   | 1.591   | ng/ul# 63 |
| 82) Benzo(a)anthracene         | 21.39 | 228 | 13828433 | 185.809 | ng/ul 91  |
| 83) Bis(2-ethylhexyl)phthalate | 21.31 | 149 | 112034   | 2.293   | ng/ul# 82 |
| 84) Chrysene                   | 21.45 | 228 | 12559094 | 180.936 | ng/ul# 91 |
| 87) Benzo(b)fluoranthene       | 23.05 | 252 | 17108707 | 143.691 | ng/ul 96  |
| 88) Benzo(k)fluoranthene       | 23.05 | 252 | 17108707 | 156.280 | ng/ul 94  |
| 90) Benzo(a)pyrene             | 23.65 | 252 | 12335607 | 109.862 | ng/ul 96  |
| 91) Indeno(1,2,3-cd)pyrene     | 25.91 | 276 | 283255   | 2.150   | ng/ul# 56 |

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

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

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