

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN050919\  
 Data File : BN005578.D  
 Acq On : 09 May 2019 22:18  
 Operator : JU/SJ  
 Sample : K2604-04 20X  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 GAJ78

Manual Integrations  
 APPROVED

Sohil  
 5/10/2019 1:19:41 PM

Quant Time: May 10 02:38:19 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN041919MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue May 07 05:36:07 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.59  | 152  | 172041   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.35 | 136  | 720828   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.23 | 164  | 413542   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 16.99 | 188  | 794117   | 20.00 | ng/ul | 0.00     |
| 77) Chrysene-d12          | 21.22 | 240  | 546612   | 20.00 | ng/ul | 0.00     |
| 85) Perylene-d12          | 23.42 | 264  | 635778   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |       |      |       |      |
|--------------------------------|-------|-----|-------|------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.22  | 96  | 852   | 0.24 | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.78  | 99  | 20976 | 1.55 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.94  | 67  | 14001 | 1.66 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.13  | 132 | 18429 | 1.78 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.30  | 113 | 17448 | 1.65 | ng/ul | 0.01 |
| 19) Nitrobenzene-d5            | 8.74  | 128 | 11211 | 2.53 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.45  | 143 | 9070  | 2.02 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 9.99  | 165 | 20067 | 1.95 | ng/ul | 0.02 |
| 29) 4-Chloroaniline-d4         | 0.00  | 131 | 0d    | 0.00 | ng/ul |      |
| 43) Dimethylphthalate-d6       | 13.65 | 166 | 63140 | 2.10 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 13.92 | 160 | 78166 | 2.12 | ng/ul | 0.01 |
| 51) 4-Nitrophenol-d4           | 14.45 | 143 | 13849 | 2.92 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.23 | 176 | 59339 | 2.36 | ng/ul | 0.01 |
| 62) 4,6-Dinitro-2-methylphenol | 15.40 | 200 | 3569m | 1.00 | ng/ul | 0.04 |
| 70) Anthracene-d10             | 17.09 | 188 | 75091 | 2.26 | ng/ul | 0.00 |
| 78) Pyrene-d10                 | 19.40 | 212 | 70080 | 2.51 | ng/ul | 0.00 |
| 89) Benzo(a)pyrene-d12         | 23.29 | 264 | 62438 | 2.25 | ng/ul | 0.00 |

## Target Compounds

|                            |       |     |          |         | Ovalue |     |
|----------------------------|-------|-----|----------|---------|--------|-----|
| 28) Naphthalene            | 10.40 | 128 | 2319798  | 69.227  | ng/ul  | 100 |
| 34) 2-Methylnaphthalene    | 12.03 | 142 | 7779296  | 317.050 | ng/ul  | 99  |
| 40) 1,1'-Biphenyl          | 13.05 | 154 | 153252   | 4.974   | ng/ul  | 98  |
| 47) Acenaphthylene         | 13.95 | 152 | 5254982  | 145.027 | ng/ul# | 96  |
| 49) Acenaphthene           | 14.29 | 153 | 737947   | 29.832  | ng/ul  | 99  |
| 53) Dibenzofuran           | 14.63 | 168 | 1442554  | 40.504  | ng/ul  | 99  |
| 58) Fluorene               | 15.29 | 166 | 3843266  | 138.290 | ng/ul  | 98  |
| 69) Phenanthrene           | 17.05 | 178 | 14800264 | 382.685 | ng/ul  | 95  |
| 71) Anthracene             | 17.12 | 178 | 3661703  | 92.942  | ng/ul  | 99  |
| 74) Carbazole              | 17.39 | 167 | 49088    | 1.450   | ng/ul# | 62  |
| 76) Fluoranthene           | 19.07 | 202 | 7173847  | 167.232 | ng/ul  | 96  |
| 79) Pyrene                 | 19.44 | 202 | 9397991  | 267.029 | ng/ul  | 95  |
| 82) Benzo(a)anthracene     | 21.20 | 228 | 3417459m | 100.499 | ng/ul  |     |
| 84) Chrysene               | 21.26 | 228 | 3144557  | 99.638  | ng/ul  | 98  |
| 87) Benzo(b)fluoranthene   | 22.77 | 252 | 3179508  | 88.965  | ng/ul# | 98  |
| 88) Benzo(k)fluoranthene   | 22.81 | 252 | 850549m  | 24.919  | ng/ul  |     |
| 90) Benzo(a)pyrene         | 23.33 | 252 | 2923292m | 87.022  | ng/ul  |     |
| 91) Indeno(1,2,3-cd)pyrene | 25.63 | 276 | 1486262  | 40.017  | ng/ul# | 92  |
| 92) Dibenzo(a,h)anthracene | 25.62 | 278 | 498832   | 15.826  | ng/ul  | 96  |
| 93) Benzo(g,h,i)perylene   | 26.29 | 276 | 1369859  | 44.606  | ng/ul# | 94  |

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

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