

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN051019\  
 Data File : BN005597.D  
 Acq On : 10 May 2019 20:14  
 Operator : JU/SJ  
 Sample : K2604-12ME  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleID :  
 GAJ86ME

Manual Integrations  
 APPROVED

mohammad  
 5/13/2019 8:26:20 AM

Quant Time: May 10 23:58:11 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 | 7.58  | 152  | 182605   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.35 | 136  | 744373   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.22 | 164  | 451601   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 16.97 | 188  | 990978   | 20.00 | ng/ul | 0.00     |
| 77) Chrysene-d12          | 21.20 | 240  | 1021476  | 20.00 | ng/ul | -0.01    |
| 85) Perylene-d12          | 23.40 | 264  | 1052173  | 20.00 | ng/ul | -0.02    |

## System Monitoring Compounds

|                                |       |     |         |       |       |       |
|--------------------------------|-------|-----|---------|-------|-------|-------|
| 3) 1,4-Dioxane-d8              | 3.20  | 96  | 16365   | 4.33  | ng/uL | -0.01 |
| 5) Phenol-d5                   | 6.76  | 99  | 372801  | 25.99 | ng/ul | -0.01 |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.93  | 67  | 228732  | 25.57 | ng/ul | 0.00  |
| 9) 2-Chlorophenol-d4           | 7.12  | 132 | 320851  | 29.23 | ng/ul | 0.00  |
| 13) 4-Methylphenol-d8          | 8.28  | 113 | 248696  | 22.18 | ng/ul | -0.01 |
| 19) Nitrobenzene-d5            | 8.72  | 128 | 177642  | 38.77 | ng/ul | -0.01 |
| 22) 2-Nitrophenol-d4           | 9.44  | 143 | 199734  | 43.00 | ng/ul | 0.00  |
| 26) 2,4-Dichlorophenol-d3      | 9.98  | 165 | 342320  | 32.15 | ng/ul | 0.00  |
| 29) 4-Chloroaniline-d4         | 10.49 | 131 | 582405  | 53.04 | ng/ul | 0.00  |
| 43) Dimethylphthalate-d6       | 13.63 | 166 | 1121397 | 34.21 | ng/ul | 0.00  |
| 46) Acenaphthylene-d8          | 13.91 | 160 | 1406330 | 34.93 | ng/ul | 0.00  |
| 51) 4-Nitrophenol-d4           | 14.44 | 143 | 134840  | 26.05 | ng/ul | 0.00  |
| 57) Fluorene-d10               | 15.22 | 176 | 990511  | 36.00 | ng/ul | 0.00  |
| 62) 4,6-Dinitro-2-methylphenol | 15.37 | 200 | 131008  | 29.39 | ng/ul | 0.00  |
| 70) Anthracene-d10             | 17.07 | 188 | 1569520 | 37.78 | ng/ul | 0.00  |
| 78) Pyrene-d10                 | 19.39 | 212 | 1847729 | 35.36 | ng/ul | 0.00  |
| 89) Benzo(a)pyrene-d12         | 23.27 | 264 | 1771405 | 38.52 | ng/ul | -0.01 |

## Target Compounds

|                            |       |     |         |         | Ovalue |     |
|----------------------------|-------|-----|---------|---------|--------|-----|
| 28) Naphthalene            | 10.40 | 128 | 7074511 | 204.438 | ng/ul  | 99  |
| 34) 2-Methylnaphthalene    | 12.03 | 142 | 7226735 | 285.214 | ng/ul  | 100 |
| 40) 1,1'-Biphenyl          | 13.05 | 154 | 456150  | 13.556  | ng/ul  | 98  |
| 44) Dimethylphthalate      | 13.68 | 163 | 189874  | 5.813   | ng/ul# | 97  |
| 47) Acenaphthylene         | 13.94 | 152 | 234488  | 5.926   | ng/ul# | 71  |
| 49) Acenaphthene           | 14.28 | 153 | 792278  | 29.329  | ng/ul  | 100 |
| 53) Dibenzofuran           | 14.62 | 168 | 235297  | 6.050   | ng/ul# | 82  |
| 58) Fluorene               | 15.27 | 166 | 700592  | 23.085  | ng/ul# | 96  |
| 69) Phenanthrene           | 17.02 | 178 | 2988936 | 61.931  | ng/ul  | 99  |
| 71) Anthracene             | 17.11 | 178 | 509020  | 10.353  | ng/ul  | 99  |
| 76) Fluoranthene           | 19.05 | 202 | 477516  | 8.920   | ng/ul  | 95  |
| 79) Pyrene                 | 19.42 | 202 | 749703  | 11.399  | ng/ul# | 93  |
| 82) Benzo(a)anthracene     | 21.19 | 228 | 322886  | 5.081   | ng/ul# | 89  |
| 84) Chrysene               | 21.24 | 228 | 278858m | 4.728   | ng/ul  |     |
| 87) Benzo(b)fluoranthene   | 22.76 | 252 | 237448  | 4.015   | ng/ul# | 96  |
| 90) Benzo(a)pyrene         | 23.31 | 252 | 220105m | 3.959   | ng/ul  |     |
| 91) Indeno(1,2,3-cd)pyrene | 25.59 | 276 | 97859   | 1.592   | ng/ul# | 93  |
| 93) Benzo(g,h,i)perylene   | 26.24 | 276 | 91020   | 1.791   | ng/ul# | 90  |

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

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