

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM072519\  
 Data File : BM021644.D  
 Acq On : 25 Jul 2019 19:51  
 Operator : HP/JU  
 Sample : K3850-10  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 BENR6

Manual Integrations  
 APPROVED

mohammad  
 7/26/2019 3:24:08 PM

Quant Time: Jul 26 01:21:25 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM072319MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Jul 24 01:21:49 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.70  | 152  | 117414   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.48 | 136  | 533783   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.34 | 164  | 375226   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.10 | 188  | 896949   | 20.00 | ng/ul | 0.00     |
| 77) Chrysene-d12          | 21.29 | 240  | 1114915  | 20.00 | ng/ul | 0.00     |
| 85) Perylene-d12          | 23.53 | 264  | 1217847  | 20.00 | ng/ul | -0.01    |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.25  | 96  | 7634m   | 3.54  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.87  | 99  | 147607  | 14.82 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.05  | 67  | 107594  | 18.62 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.23  | 132 | 130846  | 16.75 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.40  | 113 | 84963   | 9.99  | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.86  | 128 | 77963   | 19.73 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.57  | 143 | 84750   | 19.99 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.11 | 165 | 161463  | 17.08 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.64 | 131 | 150944  | 16.46 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 13.76 | 166 | 606436  | 18.86 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.04 | 160 | 696911  | 17.82 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.58 | 143 | 32461   | 5.89  | ng/ul | 0.01 |
| 57) Fluorene-d10               | 15.34 | 176 | 561677  | 19.36 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.49 | 200 | 24743   | 4.40  | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.19 | 188 | 945645  | 21.43 | ng/ul | 0.00 |
| 78) Pyrene-d10                 | 19.49 | 212 | 1272132 | 23.38 | ng/ul | 0.00 |
| 89) Benzo(a)pyrene-d12         | 23.39 | 264 | 1502278 | 23.10 | ng/ul | 0.00 |

## Target Compounds

|                            |       |     |        |       | Ovalue |    |
|----------------------------|-------|-----|--------|-------|--------|----|
| 4) Benzaldehyde            | 6.86  | 77  | 5771   | 1.375 | ng/ul# | 84 |
| 6) Phenol                  | 6.90  | 94  | 11760  | 1.227 | ng/ul  | 93 |
| 14) Acetophenone           | 8.53  | 105 | 25307  | 1.982 | ng/ul  | 96 |
| 44) Dimethylphthalate      | 13.81 | 163 | 234741 | 7.606 | ng/ul  | 99 |
| 69) Phenanthrene           | 17.14 | 178 | 105917 | 2.164 | ng/ul  | 97 |
| 76) Fluoranthene           | 19.16 | 202 | 329935 | 5.439 | ng/ul  | 99 |
| 79) Pyrene                 | 19.52 | 202 | 321287 | 4.838 | ng/ul  | 99 |
| 82) Benzo(a)anthracene     | 21.27 | 228 | 183801 | 2.515 | ng/ul  | 99 |
| 84) Chrysene               | 21.33 | 228 | 219893 | 3.155 | ng/ul  | 97 |
| 87) Benzo(b)fluoranthene   | 22.86 | 252 | 329038 | 4.469 | ng/ul# | 97 |
| 88) Benzo(k)fluoranthene   | 22.90 | 252 | 98625m | 1.365 | ng/ul  |    |
| 90) Benzo(a)pyrene         | 23.44 | 252 | 199419 | 2.821 | ng/ul  | 97 |
| 91) Indeno(1,2,3-cd)pyrene | 25.79 | 276 | 138609 | 1.614 | ng/ul  | 98 |
| 93) Benzo(g,h,i)perylene   | 26.49 | 276 | 133033 | 1.913 | ng/ul  | 99 |

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

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