

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG050617\  
 Data File : BG026885.D  
 Acq On : 6 May 2017 16:47  
 Operator : SJ/MA  
 Sample : I2842-03  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 BDC42

Manual Integrations  
 APPROVED

mohammad  
 5/8/2017 5:58:38 PM

Quant Time: May 08 02:07:53 2017  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG042717.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon May 08 01:28:58 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.01  | 152  | 193976   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.80 | 136  | 935401   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.62 | 164  | 494855   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.36 | 188  | 911896   | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 21.60 | 240  | 838233   | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 24.77 | 264  | 878824   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.43  | 96  | 16665   | 3.87  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 7.19  | 99  | 399266  | 23.06 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.33  | 67  | 232680  | 22.85 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.54  | 132 | 321022  | 21.85 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.72  | 113 | 325516  | 22.66 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 9.17  | 128 | 166991  | 21.36 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.89  | 143 | 178293  | 20.97 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.44 | 165 | 280364  | 20.75 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.94 | 131 | 356717  | 19.72 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 14.02 | 166 | 854710  | 21.46 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.31 | 160 | 1130158 | 22.59 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.85 | 143 | 117095  | 16.31 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.61 | 176 | 729713  | 20.99 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.73 | 200 | 70151   | 12.67 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.46 | 188 | 980030  | 22.14 | ng/ul | 0.00 |
| 76) Pyrene-d10                 | 19.74 | 212 | 978589  | 22.12 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12         | 24.55 | 264 | 940390  | 22.63 | ng/ul | 0.00 |

## Target Compounds

|                            |       |     |         |       |        | Qvalue |
|----------------------------|-------|-----|---------|-------|--------|--------|
| 6) Phenol                  | 7.21  | 94  | 35768   | 2.04  | ng/ul# | 76     |
| 28) Naphthalene            | 10.86 | 128 | 405453  | 8.33  | ng/ul  | 98     |
| 34) 2-Methylnaphthalene    | 12.46 | 142 | 190131  | 5.26  | ng/ul  | 90     |
| 40) 1,1'-Biphenyl          | 13.45 | 154 | 54529   | 1.31  | ng/ul# | 96     |
| 44) Dimethylphthalate      | 14.07 | 163 | 242321  | 6.21  | ng/ul  | 97     |
| 49) Acenaphthene           | 14.68 | 153 | 248928  | 7.02  | ng/ul  | 98     |
| 53) Dibenzofuran           | 15.02 | 168 | 385824  | 8.18  | ng/ul  | 93     |
| 58) Fluorene               | 15.66 | 166 | 357181  | 9.27  | ng/ul  | 96     |
| 69) Phenanthrene           | 17.40 | 178 | 2866013 | 55.79 | ng/ul  | 94     |
| 71) Anthracene             | 17.49 | 178 | 955267  | 18.13 | ng/ul  | 99     |
| 72) Carbazole              | 17.76 | 167 | 377821  | 8.48  | ng/ul  | 99     |
| 74) Fluoranthene           | 19.41 | 202 | 2774872 | 58.18 | ng/ul# | 72     |
| 77) Pyrene                 | 19.76 | 202 | 2317904 | 41.22 | ng/ul# | 69     |
| 80) Benzo(a)anthracene     | 21.59 | 228 | 1352427 | 27.59 | ng/ul  | 98     |
| 82) Chrysene               | 21.65 | 228 | 1126151 | 24.73 | ng/ul  | 97     |
| 85) Benzo(b)fluoranthene   | 23.77 | 252 | 1388782 | 27.66 | ng/ul# | 92     |
| 86) Benzo(k)fluoranthene   | 23.82 | 252 | 554590m | 11.24 | ng/ul  |        |
| 88) Benzo(a)pyrene         | 24.62 | 252 | 1052908 | 21.30 | ng/ul# | 91     |
| 89) Indeno(1,2,3-cd)pyrene | 28.37 | 276 | 640892  | 10.94 | ng/ul# | 77     |
| 90) Dibenzo(a,h)anthracene | 28.40 | 278 | 166262  | 3.35  | ng/ul# | 87     |
| 91) Benzo(g,h,i)perylene   | 29.50 | 276 | 514710  | 10.59 | ng/ul# | 82     |

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

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