

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121915\  
 Data File : BG020290.D  
 Acq On : 19 Dec 2015 00:46  
 Operator : UM/SJ  
 Sample : G4768-11  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 D9N35

Manual Integrations  
 APPROVED

apatel  
 12/22/2015 12:35:24 PM

Quant Time: Dec 19 04:45:51 2015  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG121415.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Sat Dec 19 00:45:12 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.09  | 152  | 20046    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.93 | 136  | 85937    | 20.00 | ng/ul | 0.02     |
| 36) Acenaphthene-d10      | 14.73 | 164  | 60504    | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 17.47 | 188  | 142204   | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.74 | 240  | 190373   | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 25.02 | 264  | 179693   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.47  | 96  | 596    | 1.64  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 7.24  | 99  | 11287  | 6.39  | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.41  | 67  | 32718  | 31.02 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.62  | 132 | 32922  | 25.61 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.80  | 113 | 22195  | 14.68 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 9.26  | 128 | 22708  | 33.90 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.99  | 143 | 25388  | 34.06 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.53 | 165 | 42856  | 28.38 | ng/ul | 0.01 |
| 29) 4-Chloroaniline-d4         | 11.10 | 131 | 12629m | 7.45  | ng/ul | 0.06 |
| 44) Dimethylphthalate-d6       | 14.13 | 166 | 157550 | 32.19 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8          | 14.42 | 160 | 180851 | 31.76 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4           | 14.92 | 143 | 5786   | 6.59  | ng/ul | 0.00 |
| 58) Fluorene-d10               | 15.72 | 176 | 143653 | 32.36 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.83 | 200 | 24455  | 29.01 | ng/ul | 0.00 |
| 71) Anthracene-d10             | 17.57 | 188 | 225225 | 34.37 | ng/ul | 0.00 |
| 79) Pyrene-d10                 | 19.85 | 212 | 274023 | 30.88 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12         | 24.79 | 264 | 309431 | 34.52 | ng/ul | 0.00 |

## Target Compounds

|                         |       |     |          |         |        | Ovalue |
|-------------------------|-------|-----|----------|---------|--------|--------|
| 28) Naphthalene         | 11.03 | 128 | 7688890  | 1713.30 | ng/ul# | 49     |
| 34) 2-Methylnaphthalene | 12.58 | 142 | 1603218  | 467.69  | ng/ul  | 100    |
| 35) 1-Methylnaphthalene | 12.80 | 142 | 992809   | 301.26  | ng/ul# | 96     |
| 41) 1,1'-Biphenyl       | 13.56 | 154 | 473796   | 103.80  | ng/ul  | 97     |
| 48) Acenaphthylene      | 14.45 | 152 | 164530   | 27.20   | ng/ul  | 98     |
| 50) Acenaphthene        | 14.81 | 153 | 1740358  | 427.60  | ng/ul  | 93     |
| 54) Dibenzofuran        | 15.13 | 168 | 1453987  | 240.15  | ng/ul  | 90     |
| 59) Fluorene            | 15.79 | 166 | 1206552  | 248.16  | ng/ul  | 98     |
| 70) Phenanthrene        | 17.53 | 178 | 2026987m | 260.59  | ng/ul  |        |
| 72) Anthracene          | 17.61 | 178 | 191465m  | 24.27   | ng/ul  |        |
| 75) Carbazole           | 17.88 | 167 | 1432067  | 216.03  | ng/ul  | 93     |
| 77) Fluoranthene        | 19.52 | 202 | 373220   | 41.06   | ng/ul  | 98     |
| 80) Pyrene              | 19.88 | 202 | 217049   | 18.84   | ng/ul  | 98     |
| 83) Benzo(a)anthracene  | 21.72 | 228 | 11227    | 1.01    | ng/ul  | 95     |

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

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