

Data Path : Z:\HPCHEM1\BNA F\DATA\BF030816\  
 Data File : BF085297.D  
 Acq On : 9 Mar 2016 10:41  
 Operator : UM/SJ  
 Sample : H1675-07RE 5X  
 Misc :  
 ALS Vial : 41 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Mar 09 12:08:13 2016  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF030316.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Mar 04 00:54:58 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.96  | 152  | 87823    | 20.00 | ng    | -0.02    |
| 21) Naphthalene-d8        | 8.25  | 136  | 316283   | 20.00 | ng    | -0.01    |
| 38) Acenaphthene-d10      | 10.00 | 164  | 129529   | 20.00 | ng    | -0.02    |
| 63) Phenanthrene-d10      | 11.49 | 188  | 206096   | 20.00 | ng    | -0.02    |
| 75) Chrysene-d12          | 14.13 | 240  | 173113   | 20.00 | ng    | -0.02    |
| 86) Perylene-d12          | 15.60 | 264  | 173124   | 20.00 | ng    | -0.01    |

|                             |       |     |        |       |    |       |
|-----------------------------|-------|-----|--------|-------|----|-------|
| System Monitoring Compounds |       |     |        |       |    |       |
| 5) 2-Fluorophenol           | 5.57  | 112 | 208903 | 39.90 | ng | -0.01 |
| 7) Phenol-d6                | 6.58  | 99  | 263403 | 38.40 | ng | -0.02 |
| 23) Nitrobenzene-d5         | 7.52  | 82  | 165443 | 27.99 | ng | -0.02 |
| 41) 2,4,6-Tribromophenol    | 10.79 | 330 | 17755  | 16.02 | ng | -0.02 |
| 44) 2-Fluorobiphenyl        | 9.33  | 172 | 264313 | 31.03 | ng | -0.02 |
| 78) Terphenyl-d14           | 13.08 | 244 | 175278 | 23.50 | ng | -0.01 |

|                                |       |     |        |           |   |    |
|--------------------------------|-------|-----|--------|-----------|---|----|
| Target Compounds               |       |     |        | Qvalue    |   |    |
| 9) Benzaldehyde                | 6.50  | 77  | 675    | Below Cal |   | 93 |
| 19) n-Nitroso-di-n-propylamine | 7.52  | 70  | 21115  | 4.72 ng   | # | 75 |
| 31) Naphthalene                | 8.26  | 128 | 38700  | 2.49 ng   |   | 96 |
| 49) Dimethylphthalate          | 9.72  | 163 | 42579  | 4.28 ng   |   | 99 |
| 50) 2,6-Dinitrotoluene         | 10.00 | 165 | 17312  | 8.14 ng   | # | 25 |
| 51) Acenaphthene               | 10.04 | 154 | 54327  | 6.82 ng   |   | 99 |
| 54) Dibenzofuran               | 10.21 | 168 | 40816  | 3.91 ng   |   | 97 |
| 55) 4-Nitrophenol              | 10.21 | 139 | 16182  | 8.09 ng   | # | 20 |
| 56) 2,4-Dinitrotoluene         | 10.00 | 165 | 17740  | 6.52 ng   | # | 21 |
| 57) Fluorene                   | 10.55 | 166 | 41975  | 5.12 ng   |   | 99 |
| 70) Phenanthrene               | 11.51 | 178 | 478512 | 44.30 ng  |   | 98 |
| 71) Anthracene                 | 11.57 | 178 | 149934 | 13.08 ng  |   | 97 |
| 72) Carbazole                  | 11.72 | 167 | 60413  | 6.01 ng   |   | 97 |
| 74) Fluoranthene               | 12.71 | 202 | 785247 | 72.44 ng  |   | 94 |
| 77) Pyrene                     | 12.94 | 202 | 749337 | 57.51 ng  |   | 97 |
| 80) Benzo(a)anthracene         | 14.12 | 228 | 431815 | 41.67 ng  |   | 99 |
| 82) Chrysene                   | 14.15 | 228 | 304743 | 31.83 ng  |   | 97 |
| 85) Indeno(1,2,3-cd)pyrene     | 17.07 | 276 | 144883 | 19.39 ng  | # | 89 |
| 87) Benzo(b)fluoranthene       | 15.18 | 252 | 666804 | 57.79 ng  |   | 99 |
| 88) Benzo(k)fluoranthene       | 15.18 | 252 | 666804 | 71.64 ng  |   | 98 |
| 89) Benzo(a)pyrene             | 15.53 | 252 | 304614 | 31.86 ng  | # | 91 |
| 90) Dibenz(a,h)anthracene      | 17.25 | 278 | 29820  | 3.65 ng   |   | 94 |
| 91) Benzo(g,h,i)perylene       | 17.51 | 276 | 127128 | 15.49 ng  |   | 99 |

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

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