

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM100915\  
 Data File : BM002881.D  
 Acq On : 09 Oct 2015 10:49  
 Operator : UM/IZ  
 Sample : G3692-22DL 2X  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 RR-PAH-WPDL

Quant Time: Oct 10 05:30:44 2015  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\8270-SIM-BM100815.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Oct 09 06:47:52 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.66  | 152  | 86470    | 5.00 | ng    | -0.02    |
| 7) Naphthalene-d8         | 11.51 | 136  | 344641   | 5.00 | ng    | -0.01    |
| 13) Acenaphthene-d10      | 15.25 | 164  | 189015   | 5.00 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 17.97 | 188  | 356909   | 5.00 | ng    | 0.02     |
| 26) Chrysene-d12          | 22.05 | 240  | 366609   | 5.00 | ng    | 0.00     |
| 35) Perylene-d12          | 24.63 | 264  | 289435   | 5.00 | ng    | 0.00     |

|                             |       |     |        |      |    |       |
|-----------------------------|-------|-----|--------|------|----|-------|
| System Monitoring Compounds |       |     |        |      |    |       |
| 4) 2-Fluorophenol           | 6.13  | 112 | 65355  | 3.54 | ng | -0.02 |
| 5) Phenol-d6                | 7.79  | 99  | 85273  | 3.73 | ng | -0.02 |
| 8) Nitrobenzene-d5          | 9.88  | 82  | 33355  | 1.92 | ng | 0.00  |
| 14) 2,4,6-Tribromophenol    | 16.74 | 330 | 19501  | 3.12 | ng | 0.00  |
| 15) 2-Fluorobiphenyl        | 13.89 | 172 | 121224 | 2.12 | ng | 0.00  |
| 29) Terphenyl-d14           | 20.49 | 244 | 117811 | 2.41 | ng | 0.00  |

|                                |       |     |        |      |    |        |
|--------------------------------|-------|-----|--------|------|----|--------|
| Target Compounds               |       |     |        |      |    | Qvalue |
| 3) n-Nitrosodimethylamine      | 4.25  | 42  | 9      | 0.00 | ng | # 29   |
| 6) bis(2-Chloroethyl)ether     | 8.06  | 93  | 121    | 0.01 | ng | # 32   |
| 9) Nitrobenzene                | 9.87  | 77  | 139    | 0.01 | ng | # 5    |
| 10) Naphthalene                | 11.56 | 128 | 96468  | 1.26 | ng | 97     |
| 11) Hexachlorobutadiene        | 11.82 | 225 | 9      | 0.00 | ng | # 10   |
| 12) 2-Methylnaphthalene        | 13.09 | 142 | 8      | 0.00 | ng | # 5    |
| 16) Acenaphthylene             | 14.98 | 152 | 117756 | 1.47 | ng | 100    |
| 17) Acenaphthene               | 15.32 | 154 | 251272 | 4.85 | ng | # 100  |
| 18) Fluorene                   | 16.29 | 166 | 126709 | 2.00 | ng | 99     |
| 20) 4-Bromophenyl-phenylether  | 17.03 | 248 | 226    | 0.01 | ng | # 16   |
| 21) Hexachlorobenzene          | 17.31 | 284 | 14     | 0.00 | ng | # 25   |
| 23) Phenanthrene               | 18.00 | 178 | 56292  | 0.54 | ng | 99     |
| 24) Anthracene                 | 18.10 | 178 | 171380 | 1.94 | ng | 100    |
| 25) Fluoranthene               | 19.98 | 202 | 190375 | 1.65 | ng | 99     |
| 28) Pyrene                     | 20.34 | 202 | 92682  | 0.94 | ng | 99     |
| 30) Benzo(a)anthracene         | 22.03 | 228 | 164562 | 1.56 | ng | 93     |
| 31) 3,3'-Dichlorobenzidine     | 21.97 | 252 | 220    | 0.01 | ng | # 77   |
| 32) Chrysene                   | 22.09 | 228 | 104331 | 1.06 | ng | 94     |
| 33) Bis(2-ethylhexyl)phthalate | 21.87 | 149 | 634    | 0.01 | ng | # 83   |
| 34) Indeno(1,2,3-cd)pyrene     | 27.35 | 276 | 63851  | 0.54 | ng | # 86   |
| 36) Benzo(b)fluoranthene       | 23.84 | 252 | 112802 | 1.36 | ng | 99     |
| 37) Benzo(k)fluoranthene       | 23.89 | 252 | 164163 | 2.05 | ng | 99     |
| 38) Benzo(a)pyrene             | 24.53 | 252 | 120810 | 1.59 | ng | 99     |
| 39) Dibenzo(a,h)anthracene     | 27.34 | 278 | 124601 | 1.68 | ng | 98     |
| 40) Benzo(g,h,i)perylene       | 28.22 | 276 | 26513  | 0.35 | ng | 98     |

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

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