

Data Path : Z:\HPCHEM1\BNA\_E\DATA\BE102714\  
 Data File : BE088322.D  
 Acq On : 27 Oct 2014 20:15  
 Operator : TP/JJ  
 Sample : SSTDICC002  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDICC002

Manual Integrations  
 APPROVED

mohammad  
 10/29/2014 11:11:24 AM

Quant Time: Oct 28 10:09:50 2014  
 Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\SIM-PAH-BE102714.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Oct 28 01:17:45 2014  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.11  | 152  | 54689    | 5.00 | ng    | 0.00     |
| 3) Naphthalene-d8         | 8.67  | 136  | 209381   | 5.00 | ng    | 0.00     |
| 7) Acenaphthene-d10       | 10.81 | 164  | 96539    | 5.00 | ng    | 0.00     |
| 12) Phenanthrene-d10      | 12.93 | 188  | 187293   | 5.00 | ng    | 0.00     |
| 16) Chrysene-d12          | 18.35 | 240  | 114362   | 5.00 | ng    | 0.00     |
| 22) Perylene-d12          | 21.40 | 264  | 103641   | 5.00 | ng    | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|-------|------|----------|------|-------|----------|
| 4) Nitrobenzene-d5          | 7.79  | 82   | 32735    | 2.52 | ng    | 0.00     |
| 8) 2-Fluorobiphenyl         | 10.01 | 172  | 56715    | 2.12 | ng    | 0.00     |
| 18) Terphenyl-d14           | 16.10 | 244  | 42575    | 2.25 | ng    | 0.00     |

| Target Compounds           | R.T.  | QIon | Response | Conc | Units | Qvalue |
|----------------------------|-------|------|----------|------|-------|--------|
| 2) 1,4-Dioxane             | 2.38  | 88   | 16051    | 2.11 | ng    | 100    |
| 5) Naphthalene             | 8.69  | 128  | 89159    | 2.09 | ng    | 100    |
| 6) 2-Methylnaphthalene     | 9.55  | 142  | 55961    | 2.16 | ng    | 98     |
| 9) Acenaphthylene          | 10.64 | 152  | 326744   | 2.27 | ng    | 100    |
| 10) Acenaphthene           | 10.85 | 154  | 46749    | 2.06 | ng    | 99     |
| 11) Fluorene               | 11.52 | 166  | 53276    | 2.28 | ng    | 99     |
| 13) Phenanthrene           | 12.96 | 178  | 367072   | 2.06 | ng    | 98     |
| 14) Anthracene             | 13.05 | 178  | 291295   | 2.19 | ng    | 100    |
| 15) Fluoranthene           | 15.20 | 202  | 65368    | 2.37 | ng    | 100    |
| 17) Pyrene                 | 15.66 | 202  | 68993    | 2.20 | ng    | 100    |
| 19) Benzo(a)anthracene     | 18.32 | 228  | 210289   | 2.32 | ng    | 100    |
| 20) Chrysene               | 18.40 | 228  | 207330   | 2.05 | ng    | 100    |
| 21) Indeno(1,2,3-cd)pyrene | 23.58 | 276  | 221085m  | 2.89 | ng    |        |
| 23) Benzo(b)fluoranthene   | 20.64 | 252  | 49156    | 2.80 | ng    | 99     |
| 24) Benzo(k)fluoranthene   | 20.70 | 252  | 52462    | 1.99 | ng    | 99     |
| 25) Benzo(a)pyrene         | 21.28 | 252  | 46575    | 2.75 | ng    | 99     |
| 26) Dibenzo(a,h)anthracene | 23.68 | 278  | 44225    | 2.78 | ng    | 98     |
| 27) Benzo(g,h,i)perylene   | 24.21 | 276  | 193102   | 2.32 | ng    | 98     |

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

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