

Data Path : Z:\HPCHEM1\BNA\_E\DATA\BE102414\  
 Data File : BE088219.D  
 Acq On : 24 Oct 2014 18:57  
 Operator : TP/JJ  
 Sample : PB79823BSD  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 PB79823BSD

Manual Integrations  
 APPROVED

mohammad  
 10/28/2014 12:22:34 PM

Quant Time: Oct 27 13:18:02 2014  
 Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\SIM-PAH-BE102414.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Oct 27 13:04:40 2014  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.11  | 152  | 42598    | 5.00 | ng    | 0.00     |
| 3) Naphthalene-d8           | 8.68  | 136  | 163006   | 5.00 | ng    | 0.00     |
| 7) Acenaphthene-d10         | 10.83 | 164  | 72636    | 5.00 | ng    | 0.00     |
| 12) Phenanthrene-d10        | 12.94 | 188  | 125219   | 5.00 | ng    | 0.00     |
| 16) Chrysene-d12            | 18.35 | 240  | 68777    | 5.00 | ng    | 0.00     |
| 22) Perylene-d12            | 21.40 | 264  | 63539    | 5.00 | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |      |       |          |
| 4) Nitrobenzene-d5          | 7.80  | 82   | 87348    | 7.20 | ng    | 0.00     |
| 8) 2-Fluorobiphenyl         | 10.02 | 172  | 147531   | 7.28 | ng    | 0.00     |
| 18) Terphenyl-d14           | 16.11 | 244  | 97868    | 8.69 | ng    | 0.00     |
| Target Compounds            |       |      |          |      |       | Qvalue   |
| 2) 1,4-Dioxane              | 2.39  | 88   | 46670    | 7.86 | ng    | 98       |
| 5) Naphthalene              | 8.70  | 128  | 241621   | 7.28 | ng    | 97       |
| 6) 2-Methylnaphthalene      | 9.55  | 142  | 155607   | 7.79 | ng    | 95       |
| 9) Acenaphthylene           | 10.65 | 152  | 827335   | 7.62 | ng    | 100      |
| 10) Acenaphthene            | 10.86 | 154  | 118905   | 6.92 | ng    | 95       |
| 11) Fluorene                | 11.52 | 166  | 130206   | 7.43 | ng    | 100      |
| 13) Phenanthrene            | 12.97 | 178  | 885560   | 7.33 | ng    | 98       |
| 14) Anthracene              | 13.06 | 178  | 728230   | 8.17 | ng    | 99       |
| 15) Fluoranthene            | 15.21 | 202  | 156826   | 8.56 | ng    | 99       |
| 17) Pyrene                  | 15.67 | 202  | 166763   | 8.84 | ng    | 99       |
| 19) Benzo(a)anthracene      | 18.33 | 228  | 500145   | 9.24 | ng    | 99       |
| 20) Chrysene                | 18.40 | 228  | 515862   | 8.39 | ng    | 99       |
| 21) Indeno(1,2,3-cd)pyrene  | 23.58 | 276  | 472739m  | 7.28 | ng    |          |
| 23) Benzo(b)fluoranthene    | 20.65 | 252  | 111954   | 8.26 | ng    | 98       |
| 24) Benzo(k)fluoranthene    | 20.70 | 252  | 137487   | 8.38 | ng    | 99       |
| 25) Benzo(a)pyrene          | 21.29 | 252  | 110483   | 8.22 | ng    | 98       |
| 26) Dibenzo(a,h)anthracene  | 23.68 | 278  | 97580    | 7.57 | ng    | 95       |
| 27) Benzo(g,h,i)perylene    | 24.21 | 276  | 457877   | 8.99 | ng    | 97       |

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

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