

Data Path : Z:\HPCHEM1\BNA\_E\DATA\BE103114\  
 Data File : BE088447.D  
 Acq On : 1 Nov 2014 5:53  
 Operator : TP/JJ  
 Sample : F4379-01MS  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 YS19-SS32-1014MS

Manual Integrations  
 APPROVED

mohammad  
 11/4/2014 9:07:06 AM

Quant Time: Nov 01 06:00:54 2014  
 Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\SIM-PAH-BE103114.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Nov 01 00:42:07 2014  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.09  | 152  | 40537    | 5.00  | ng    | 0.00     |
| 3) Naphthalene-d8           | 8.65  | 136  | 141219   | 5.00  | ng    | 0.00     |
| 7) Acenaphthene-d10         | 10.80 | 164  | 54262    | 5.00  | ng    | 0.01     |
| 12) Phenanthrene-d10        | 12.91 | 188  | 95995    | 5.00  | ng    | 0.00     |
| 16) Chrysene-d12            | 18.34 | 240  | 49077    | 5.00  | ng    | 0.03     |
| 22) Perylene-d12            | 21.40 | 264  | 49342    | 5.00  | ng    | 0.03     |
| System Monitoring Compounds |       |      |          |       |       |          |
| 4) Nitrobenzene-d5          | 7.78  | 82   | 90776    | 8.77  | ng    | 0.00     |
| 8) 2-Fluorobiphenyl         | 9.99  | 172  | 132174   | 8.64  | ng    | 0.00     |
| 18) Terphenyl-d14           | 16.08 | 244  | 74048    | 8.21  | ng    | 0.00     |
| Target Compounds            |       |      |          |       |       | Qvalue   |
| 2) 1,4-Dioxane              | 2.38  | 88   | 44728    | 8.43  | ng    | 97       |
| 5) Naphthalene              | 8.68  | 128  | 263387   | 9.01  | ng    | 98       |
| 6) 2-Methylnaphthalene      | 9.53  | 142  | 151489   | 8.37  | ng    | 98       |
| 9) Acenaphthylene           | 10.63 | 152  | 695790   | 7.92  | ng    | 99       |
| 10) Acenaphthene            | 10.84 | 154  | 113591   | 8.72  | ng    | 99       |
| 11) Fluorene                | 11.50 | 166  | 124974   | 9.04  | ng    | 99       |
| 13) Phenanthrene            | 12.96 | 178  | 2094157  | 24.01 | ng    | 100      |
| 14) Anthracene              | 13.04 | 178  | 783500   | 11.12 | ng    | 97       |
| 15) Fluoranthene            | 15.21 | 202  | 460343   | 32.51 | ng    | 99       |
| 17) Pyrene                  | 15.66 | 202  | 403525   | 25.21 | ng    | 96       |
| 19) Benzo(a)anthracene      | 18.32 | 228  | 1010415  | 21.87 | ng    | 98       |
| 20) Chrysene                | 18.40 | 228  | 901300   | 19.87 | ng    | 98       |
| 21) Indeno(1,2,3-cd)pyrene  | 23.60 | 276  | 834491m  | 19.74 | ng    |          |
| 23) Benzo(b)fluoranthene    | 20.65 | 252  | 267157   | 24.69 | ng    | 100      |
| 24) Benzo(k)fluoranthene    | 20.70 | 252  | 164904   | 13.84 | ng    | 99       |
| 25) Benzo(a)pyrene          | 21.29 | 252  | 208423   | 20.06 | ng    | 99       |
| 26) Dibenzo(a,h)anthracene  | 23.69 | 278  | 110660   | 11.47 | ng    | 97       |
| 27) Benzo(g,h,i)perylene    | 24.24 | 276  | 751308   | 16.98 | ng    | 97       |

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

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