

Data Path : Z:\HPCHEM1\BNA\_E\DATA\BE031916\  
 Data File : BE097490.D  
 Acq On : 18 Mar 2016 19:42  
 Operator : UM/SJ  
 Sample : PB88982BS  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :

Manual Integrations  
 APPROVED

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 3/21/2016 5:13:06 PM

Quant Time: Mar 19 00:16:15 2016  
 Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\8270-SIM-BE031816.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Mar 18 14:14:30 2016  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.84  | 152  | 101646   | 5.00 | ng    | 0.00     |
| 6) Naphthalene-d8           | 10.61 | 136  | 475580   | 5.00 | ng    | 0.00     |
| 10) Acenaphthene-d10        | 14.45 | 164  | 277499   | 5.00 | ng    | 0.00     |
| 16) Phenanthrene-d10        | 17.17 | 188  | 651859   | 5.00 | ng    | -0.01    |
| 22) Chrysene-d12            | 21.34 | 240  | 834747   | 5.00 | ng    | 0.00     |
| 28) Perylene-d12            | 23.80 | 264  | 752322   | 5.00 | ng    | -0.01    |
| System Monitoring Compounds |       |      |          |      |       |          |
| 4) 2-Fluorophenol           | 5.42  | 112  | 78271    | 3.35 | ng    | 0.00     |
| 5) Phenol-d6                | 6.99  | 99   | 108568   | 3.56 | ng    | 0.00     |
| 7) Nitrobenzene-d5          | 8.98  | 82   | 42151    | 1.77 | ng    | 0.00     |
| 11) 2,4,6-Tribromophenol    | 15.92 | 330  | 27774m   | 2.88 | ng    | -0.01    |
| 12) 2-Fluorobiphenyl        | 13.07 | 172  | 148746   | 2.13 | ng    | 0.00     |
| 24) Terphenyl-d14           | 19.78 | 244  | 207457   | 2.07 | ng    | -0.02    |
| Target Compounds            |       |      |          |      |       | Qvalue   |
| 2) 1,4-Dioxane              | 3.37  | 88   | 22202    | 1.75 | ng    | 97       |
| 3) n-Nitrosodimethylamine   | 3.66  | 42   | 28624    | 1.59 | ng    | 85       |
| 8) Naphthalene              | 10.65 | 128  | 179260   | 1.54 | ng    | 96       |
| 9) 2-Methylnaphthalene      | 12.26 | 142  | 122836   | 1.64 | ng    | 94       |
| 13) Acenaphthylene          | 14.15 | 152  | 197540   | 1.50 | ng    | 97       |
| 14) Acenaphthene            | 14.50 | 154  | 134913   | 1.58 | ng    | 98       |
| 15) Fluorene                | 15.48 | 166  | 164147   | 1.52 | ng    | 99       |
| 17) Hexachlorobenzene       | 16.48 | 284  | 45949    | 1.62 | ng    | 97       |
| 18) Pentachlorophenol       | 16.81 | 266  | 39208    | 2.74 | ng    | 90       |
| 19) Phenanthrene            | 17.22 | 178  | 288885   | 1.55 | ng    | 99       |
| 20) Anthracene              | 17.30 | 178  | 260483   | 1.60 | ng    | 99       |
| 21) Fluoranthene            | 19.22 | 202  | 304294   | 1.43 | ng    | 98       |
| 23) Pyrene                  | 19.57 | 202  | 331423   | 1.60 | ng    | 98       |
| 25) Benzo(a)anthracene      | 21.31 | 228  | 385330m  | 1.68 | ng    |          |
| 26) Chrysene                | 21.36 | 228  | 365848m  | 1.72 | ng    |          |
| 27) Indeno(1,2,3-cd)pyrene  | 26.37 | 276  | 370876   | 1.55 | ng    | 99       |
| 29) Benzo(b)fluoranthene    | 23.03 | 252  | 346613   | 1.46 | ng    | 95       |
| 30) Benzo(k)fluoranthene    | 23.08 | 252  | 359728   | 1.48 | ng    | 93       |
| 31) Benzo(a)pyrene          | 23.68 | 252  | 312326   | 1.49 | ng    | # 95     |
| 32) Dibenzo(a,h)anthracene  | 26.40 | 278  | 312324   | 1.51 | ng    | 98       |
| 33) Benzo(g,h,i)perylene    | 27.16 | 276  | 318891   | 1.49 | ng    | 99       |

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

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