

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060315\  
 Data File : BF079664.D  
 Acq On : 3 Jun 2015 16:05  
 Operator : TP/IZ  
 Sample : G2408-03DL 2X  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleID :  
 SB-24DDL

Manual Integrations  
 APPROVED

apatel  
 6/5/2015 8:05:52 AM

Quant Time: Jun 03 18:10:23 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060315.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jun 03 15:20:47 2015  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.52  | 152  | 104186   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.81  | 136  | 401756   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10           | 10.59 | 164  | 197829   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10           | 12.12 | 188  | 392637   | 20.00 | ng    | -0.01    |
| 75) Chrysene-d12               | 15.26 | 240  | 444571   | 20.00 | ng    | -0.13    |
| 86) Perylene-d12               | 17.30 | 264  | 451063   | 20.00 | ng    | -0.18    |
| System Monitoring Compounds    |       |      |          |       |       |          |
| 5) 2-Fluorophenol              | 6.14  | 112  | 284864   | 49.86 | ng    | 0.00     |
| 7) Phenol-d6                   | 7.11  | 99   | 441562   | 57.88 | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 8.07  | 82   | 209566   | 31.87 | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol       | 11.38 | 330  | 56422    | 34.56 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl           | 9.88  | 172  | 502091   | 34.53 | ng    | 0.00     |
| 78) Terphenyl-d14              | 13.89 | 244  | 583538   | 30.24 | ng    | -0.07    |
| Target Compounds               |       |      |          |       |       | Qvalue   |
| 31) Naphthalene                | 8.83  | 128  | 84526    | 4.02  | ng    | 98       |
| 37) 2-Methylnaphthalene        | 9.53  | 142  | 32988    | 2.35  | ng    | 97       |
| 49) Dimethylphthalate          | 10.27 | 163  | 48431    | 3.34  | ng    | 97       |
| 51) Acenaphthene               | 10.62 | 154  | 104985   | 8.74  | ng    | 95       |
| 54) Dibenzofuran               | 10.80 | 168  | 108295   | 6.21  | ng    | 93       |
| 57) Fluorene                   | 11.14 | 166  | 152880   | 10.73 | ng    | 99       |
| 70) Phenanthrene               | 12.15 | 178  | 1354120  | 62.38 | ng    | 99       |
| 71) Anthracene                 | 12.21 | 178  | 421650   | 19.30 | ng    | 97       |
| 72) Carbazole                  | 12.35 | 167  | 112535   | 5.61  | ng    | 97       |
| 74) Fluoranthene               | 13.46 | 202  | 1472697  | 62.92 | ng    | 97       |
| 77) Pyrene                     | 13.74 | 202  | 1262141  | 49.31 | ng    | 99       |
| 80) Benzo(a)anthracene         | 15.25 | 228  | 716749   | 29.48 | ng    | 99       |
| 82) Chrysene                   | 15.29 | 228  | 520195   | 21.27 | ng    | 97       |
| 83) Bis(2-ethylhexyl)phthalate | 15.21 | 149  | 26679    | 4.92  | ng    | # 98     |
| 85) Indeno(1,2,3-cd)pyrene     | 19.34 | 276  | 287496   | 12.02 | ng    | # 92     |
| 87) Benzo(b)fluoranthene       | 16.71 | 252  | 661317m  | 28.37 | ng    |          |
| 88) Benzo(k)fluoranthene       | 16.74 | 252  | 250858m  | 9.19  | ng    |          |
| 89) Benzo(a)pyrene             | 17.21 | 252  | 510762   | 22.41 | ng    | 98       |
| 90) Dibenzo(a,h)anthracene     | 19.35 | 278  | 55418    | 2.59  | ng    | # 93     |
| 91) Benzo(a,h,i)perylene       | 19.95 | 276  | 274093   | 12.10 | ng    | 99       |

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

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