

Data Path : U:\HPCHEM1\BNA F\DATA\BF101915\  
 Data File : BF082383.D  
 Acq On : 20 Oct 2015 5:31  
 Operator : UM/IZ  
 Sample : G4051-08DL 5X  
 Misc :  
 ALS Vial : 30 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TK1-DUP-20151015DL

Manual Integrations  
 APPROVED

MMdadoda  
 10/20/2015 6:26:03 PM

Quant Time: Oct 20 08:28:34 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101015.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Oct 12 01:46:21 2015  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.80  | 152  | 98771    | 20.00 | ng    | -0.03    |
| 21) Naphthalene-d8          | 8.09  | 136  | 382606   | 20.00 | ng    | -0.03    |
| 38) Acenaphthene-d10        | 9.85  | 164  | 182460   | 20.00 | ng    | -0.03    |
| 63) Phenanthrene-d10        | 11.34 | 188  | 309430   | 20.00 | ng    | -0.03    |
| 75) Chrysene-d12            | 13.99 | 240  | 237011   | 20.00 | ng    | -0.02    |
| 86) Perylene-d12            | 15.46 | 264  | 224532   | 20.00 | ng    | 0.02     |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.39  | 112  | 135728   | 27.73 | ng    | -0.03    |
| 7) Phenol-d6                | 6.45  | 99   | 174660   | 27.42 | ng    | -0.03    |
| 23) Nitrobenzene-d5         | 7.37  | 82   | 104794   | 18.39 | ng    | -0.05    |
| 41) 2,4,6-Tribromophenol    | 10.64 | 330  | 34291    | 20.04 | ng    | -0.03    |
| 44) 2-Fluorobiphenyl        | 9.17  | 172  | 214700   | 19.51 | ng    | -0.04    |
| 78) Terphenyl-d14           | 12.93 | 244  | 160724   | 17.97 | ng    | -0.03    |
| Target Compounds            |       |      |          |       |       | Qvalue   |
| 48) Acenaphthylene          | 9.71  | 152  | 46095    | 2.70  | ng    | 99       |
| 49) Dimethylphthalate       | 9.57  | 163  | 48733    | 3.79  | ng    | 99       |
| 57) Fluorene                | 10.40 | 166  | 25332    | 2.19  | ng    | 99       |
| 70) Phenanthrene            | 11.36 | 178  | 468035   | 30.86 | ng    | 100      |
| 71) Anthracene              | 11.42 | 178  | 101638   | 6.50  | ng    | 98       |
| 72) Carbazole               | 11.58 | 167  | 49355    | 3.46  | ng    | 99       |
| 74) Fluoranthene            | 12.56 | 202  | 593961   | 36.46 | ng    | 98       |
| 77) Pyrene                  | 12.79 | 202  | 497944   | 35.40 | ng    | 99       |
| 80) Benzo(a)anthracene      | 13.99 | 228  | 231963   | 18.81 | ng    | 96       |
| 82) Chrysene                | 14.02 | 228  | 203610   | 15.67 | ng    | 98       |
| 85) Indeno(1,2,3-cd)pyrene  | 16.87 | 276  | 101106   | 9.79  | ng    | 95       |
| 87) Benzo(b)fluoranthene    | 15.05 | 252  | 269450m  | 19.72 | ng    |          |
| 88) Benzo(k)fluoranthene    | 15.06 | 252  | 80797m   | 7.04  | ng    |          |
| 89) Benzo(a)pyrene          | 15.40 | 252  | 176835   | 15.06 | ng    | 99       |
| 90) Dibenzo(a,h)anthracene  | 16.88 | 278  | 25817    | 2.68  | ng    | # 90     |
| 91) Benzo(g,h,i)perylene    | 17.29 | 276  | 95642    | 10.23 | ng    | 95       |

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

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