

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101715\  
 Data File : BF082330.D  
 Acq On : 16 Oct 2015 17:20  
 Operator : UM/IZ  
 Sample : G4051-04 10X  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TK1-3-20151015

Manual Integrations  
 APPROVED

MMdadoda  
 10/19/2015 5:32:13 PM

Quant Time: Oct 17 01:59:15 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101015.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Oct 17 01:08:23 2015  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.89  | 152  | 50264m   | 20.00 | ng    | 0.06     |
| 21) Naphthalene-d8          | 8.17  | 136  | 251162   | 20.00 | ng    | 0.05     |
| 38) Acenaphthene-d10        | 9.92  | 164  | 129841   | 20.00 | ng    | 0.03     |
| 63) Phenanthrene-d10        | 11.42 | 188  | 286172   | 20.00 | ng    | 0.05     |
| 75) Chrysene-d12            | 14.13 | 240  | 248433   | 20.00 | ng    | 0.06     |
| 86) Perylene-d12            | 15.72 | 264  | 226992   | 20.00 | ng    | 0.13     |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.50  | 112  | 15510    | 6.23  | ng    | 0.07     |
| 7) Phenol-d6                | 6.53  | 99   | 20348    | 6.28  | ng    | 0.05     |
| 23) Nitrobenzene-d5         | 7.45  | 82   | 11549    | 3.09  | ng    | 0.03     |
| 41) 2,4,6-Tribromophenol    | 10.72 | 330  | 9745     | 8.00  | ng    | 0.03     |
| 44) 2-Fluorobiphenyl        | 9.25  | 172  | 27123    | 3.46  | ng    | 0.03     |
| 78) Terphenyl-d14           | 13.01 | 244  | 70613    | 7.53  | ng    | 0.05     |
| Target Compounds            |       |      |          |       |       | Qvalue   |
| 48) Acenaphthylene          | 9.78  | 152  | 44327    | 3.65  | ng    | 99       |
| 70) Phenanthrene            | 11.44 | 178  | 374532   | 26.70 | ng    | 98       |
| 71) Anthracene              | 11.49 | 178  | 83060    | 5.75  | ng    | 99       |
| 72) Carbazole               | 11.65 | 167  | 45020    | 3.41  | ng    | 98       |
| 74) Fluoranthene            | 12.63 | 202  | 528303   | 35.07 | ng    | 97       |
| 77) Pyrene                  | 12.87 | 202  | 478270   | 32.44 | ng    | 98       |
| 80) Benzo(a)anthracene      | 14.12 | 228  | 230018   | 17.79 | ng    | 97       |
| 82) Chrysene                | 14.16 | 228  | 200533   | 14.72 | ng    | 97       |
| 85) Indeno(1,2,3-cd)pyrene  | 17.18 | 276  | 114956   | 10.62 | ng    | 95       |
| 87) Benzo(b)fluoranthene    | 15.28 | 252  | 240915m  | 17.44 | ng    |          |
| 88) Benzo(k)fluoranthene    | 15.30 | 252  | 94027m   | 8.10  | ng    |          |
| 89) Benzo(a)pyrene          | 15.65 | 252  | 172219   | 14.51 | ng    | 98       |
| 90) Dibenzo(a,h)anthracene  | 17.19 | 278  | 27149m   | 2.79  | ng    |          |
| 91) Benzo(g,h,i)perylene    | 17.62 | 276  | 113932   | 12.06 | ng    | 97       |

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

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