

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092215\  
 Data File : BF081767.D  
 Acq On : 23 Sep 2015 11:55  
 Operator : UM/IZ  
 Sample : G3708-08  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MGP201-19-20

Manual Integrations  
 APPROVED

MMDadoda  
 9/23/2015 4:34:35 PM

Quant Time: Sep 23 14:12:01 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF090115.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Sep 22 17:42:58 2015  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc    | Units | Dev(Min) |
|-----------------------------|-------|------|----------|---------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.14  | 152  | 40078    | 20.00   | ng    | 0.00     |
| 21) Naphthalene-d8          | 11.19 | 136  | 146550   | 20.00   | ng    | 0.15     |
| 38) Acenaphthene-d10        | 15.19 | 164  | 65925    | 20.00   | ng    | 0.02     |
| 63) Phenanthrene-d10        | 18.70 | 188  | 116103m  | 20.00   | ng    | 0.02     |
| 75) Chrysene-d12            | 23.35 | 240  | 81983    | 20.00   | ng    | 0.02     |
| 86) Perylene-d12            | 24.78 | 264  | 68352    | 20.00   | ng    | 0.01     |
| System Monitoring Compounds |       |      |          |         |       |          |
| 5) 2-Fluorophenol           | 5.30  | 112  | 363164   | 140.59  | ng    | 0.02     |
| 7) Phenol-d6                | 7.59  | 99   | 501821   | 146.76  | ng    | 0.01     |
| 23) Nitrobenzene-d5         | 9.45  | 82   | 333496   | 109.79  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 17.11 | 330  | 85843    | 146.24  | ng    | 0.03     |
| 44) 2-Fluorobiphenyl        | 13.71 | 172  | 557394   | 108.35  | ng    | 0.01     |
| 78) Terphenyl-d14           | 22.06 | 244  | 366469   | 104.06  | ng    | 0.01     |
| Target Compounds            |       |      |          |         |       |          |
| 31) Naphthalene             | 11.29 | 128  | 26080434 | 3336.93 | ng    | # 92     |
| 37) 2-Methylnaphthalene     | 12.89 | 142  | 9067127  | 1782.72 | ng    | # 90     |
| 45) 1,1'-Biphenyl           | 13.92 | 154  | 1056083  | 174.12  | ng    | 96       |
| 48) Acenaphthylene          | 14.93 | 152  | 5321348  | 684.82  | ng    | 95       |
| 49) Dimethylphthalate       | 14.80 | 163  | 57683    | 11.26   | ng    | # 98     |
| 51) Acenaphthene            | 15.29 | 154  | 620642   | 140.40  | ng    | # 85     |
| 54) Dibenzofuran            | 15.69 | 168  | 431622   | 66.87   | ng    | # 85     |
| 57) Fluorene                | 16.57 | 166  | 2594015  | 529.57  | ng    | 92       |
| 70) Phenanthrene            | 18.87 | 178  | 7355694  | 1139.59 | ng    | 95       |
| 71) Anthracene              | 18.96 | 178  | 2137168m | 322.28  | ng    |          |
| 72) Carbazole               | 19.36 | 167  | 86298    | 13.87   | ng    | # 94     |
| 74) Fluoranthene            | 21.42 | 202  | 1904554  | 272.57  | ng    | 91       |
| 77) Pvrene                  | 21.79 | 202  | 3014998  | 496.47  | ng    | 95       |
| 80) Benzo(a)anthracene      | 23.35 | 228  | 887019   | 169.90  | ng    | 93       |
| 82) Chrysene                | 23.39 | 228  | 644765   | 137.77  | ng    | 92       |
| 85) Indeno(1,2,3-cd)pyrene  | 25.82 | 276  | 163148   | 47.51   | ng    | # 82     |
| 87) Benzo(b)fluoranthene    | 24.45 | 252  | 466993m  | 95.70   | ng    |          |
| 88) Benzo(k)fluoranthene    | 24.46 | 252  | 190556m  | 47.06   | ng    |          |
| 89) Benzo(a)pvrene          | 24.75 | 252  | 527847   | 127.65  | ng    | # 87     |
| 90) Dibenzo(a,h)anthracene  | 25.82 | 278  | 50109    | 15.68   | ng    | # 78     |
| 91) Benzo(g,h,i)perylene    | 26.12 | 276  | 136582   | 44.79   | ng    | # 73     |

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

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