

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092716\  
 Data File : BF090273.D  
 Acq On : 28 Sep 2016 00:59  
 Operator : UM/SJ  
 Sample : H4949-12  
 Misc :  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 S-6-2-LOC-6(10-15)

Manual Integrations  
 APPROVED

sohil  
 9/28/2016 1:53:06 PM

Quant Time: Sep 28 02:03:40 2016  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092016.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Sep 26 15:58:38 2016  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.48  | 152  | 133309   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 7.76  | 136  | 508161   | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10        | 9.51  | 164  | 266968   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 10.97 | 188  | 345349   | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12            | 13.60 | 240  | 246121   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 14.91 | 264  | 251854   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.04  | 112  | 739888   | 90.47  | ng    | 0.01     |
| 7) Phenol-d6                | 6.14  | 99   | 989947   | 98.01  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.05  | 82   | 583995   | 66.62  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 10.28 | 330  | 164969   | 72.03  | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 8.84  | 172  | 910711   | 66.97  | ng    | -0.01    |
| 78) Terphenyl-d14           | 12.56 | 244  | 542765   | 55.99  | ng    | 0.00     |
| Target Compounds            |       |      |          |        |       | Qvalue   |
| 31) Naphthalene             | 7.78  | 128  | 311377   | 12.87  | ng    | 99       |
| 37) 2-Methylnaphthalene     | 8.47  | 142  | 141842   | 9.43   | ng    | 100      |
| 45) 1,1'-Biphenyl           | 8.94  | 154  | 95695    | 5.01   | ng    | 96       |
| 48) Acenaphthylene          | 9.36  | 152  | 108763   | 4.75   | ng    | # 96     |
| 49) Dimethylphthalate       | 9.24  | 163  | 325981   | 19.17  | ng    | 100      |
| 51) Acenaphthene            | 9.54  | 154  | 582217   | 42.86  | ng    | 98       |
| 54) Dibenzofuran            | 9.71  | 168  | 664654   | 37.18  | ng    | 93       |
| 57) Fluorene                | 10.04 | 166  | 847666   | 62.92  | ng    | 99       |
| 70) Phenanthrene            | 11.02 | 178  | 3302741  | 204.49 | ng    | 98       |
| 71) Anthracene              | 11.06 | 178  | 1469256  | 86.73  | ng    | 100      |
| 72) Carbazole               | 11.21 | 167  | 374889   | 20.93  | ng    | 98       |
| 74) Fluoranthene            | 12.19 | 202  | 2983299  | 172.08 | ng    | 97       |
| 77) Pyrene                  | 12.41 | 202  | 2534883  | 150.51 | ng    | # 92     |
| 80) Benzo(a)anthracene      | 13.59 | 228  | 1452704  | 109.71 | ng    | 98       |
| 82) Chrysene                | 13.62 | 228  | 1202220m | 93.21  | ng    |          |
| 85) Indeno(1,2,3-cd)pyrene  | 16.06 | 276  | 473106   | 45.36  | ng    | # 90     |
| 87) Benzo(b)fluoranthene    | 14.58 | 252  | 1363156m | 97.74  | ng    |          |
| 88) Benzo(k)fluoranthene    | 14.59 | 252  | 395619m  | 30.23  | ng    |          |
| 89) Benzo(a)pyrene          | 14.87 | 252  | 979833m  | 74.69  | ng    |          |
| 90) Dibenzo(a,h)anthracene  | 16.07 | 278  | 156961   | 15.33  | ng    | 96       |
| 91) Benzo(g,h,i)perylene    | 16.40 | 276  | 392579   | 39.18  | ng    | 95       |

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

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