

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012417\  
 Data File : BF092431.D  
 Acq On : 24 Jan 2017 16:19  
 Operator : UM/SJ  
 Sample : I1304-04  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 1634-NOTTINGHAM-COMP

Manual Integrations  
 APPROVED

mohammad  
 1/25/2017 3:49:34 PM

Quant Time: Jan 24 16:56:42 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012417.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jan 24 13:48:07 2017  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.97  | 152  | 152494   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.26  | 136  | 594900   | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10           | 10.03 | 164  | 295810   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10           | 11.52 | 188  | 443223   | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12               | 14.16 | 240  | 403840   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12               | 15.63 | 264  | 303744   | 20.00  | ng    | -0.01    |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.57  | 112  | 1385857  | 141.39 | ng    | 0.02     |
| 7) Phenol-d6                   | 6.59  | 99   | 1490959  | 119.42 | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 7.53  | 82   | 1050178  | 96.43  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol       | 10.82 | 330  | 250155   | 124.10 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl           | 9.34  | 172  | 1387050  | 86.71  | ng    | -0.01    |
| 78) Terphenyl-d14              | 13.11 | 244  | 1149791  | 75.82  | ng    | -0.01    |
| Target Compounds               |       |      |          |        |       |          |
| 10) Phenol                     | 6.60  | 94   | 100442   | 6.67   | ng    | # 71     |
| 49) Dimethylphthalate          | 9.74  | 163  | 243239   | 12.93  | ng    | 98       |
| 70) Phenanthrene               | 11.54 | 178  | 68956    | 2.83   | ng    | 98       |
| 74) Fluoranthene               | 12.73 | 202  | 156241   | 6.54   | ng    | 96       |
| 77) Pyrene                     | 12.96 | 202  | 151905   | 5.19   | ng    | 97       |
| 79) Butylbenzylphthalate       | 13.57 | 149  | 95087    | 8.02   | ng    | # 78     |
| 80) Benzo(a)anthracene         | 14.13 | 228  | 129909m  | 5.99   | ng    |          |
| 82) Chrysene                   | 14.17 | 228  | 198019m  | 8.54   | ng    |          |
| 83) Bis(2-ethylhexyl)phthalate | 14.13 | 149  | 443345   | 29.70  | ng    | # 97     |
| 84) Di-n-octyl phthalate       | 14.74 | 149  | 133245   | 4.92   | ng    | # 76     |
| 85) Indeno(1,2,3-cd)pyrene     | 17.09 | 276  | 41084    | 2.40   | ng    | 94       |
| 87) Benzo(b)fluoranthene       | 15.20 | 252  | 107764m  | 5.53   | ng    |          |
| 88) Benzo(k)fluoranthene       | 15.21 | 252  | 32787m   | 2.02   | ng    |          |
| 89) Benzo(a)pyrene             | 15.56 | 252  | 53309    | 3.23   | ng    | 99       |
| 91) Benzo(a,h,i)perylene       | 17.54 | 276  | 40093    | 2.97   | ng    | # 88     |

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

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