

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072717\  
 Data File : BF097120.D  
 Acq On : 27 Jul 2017 14:10  
 Operator : SJ/JU  
 Sample : I4421-02  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 E2-N7-SSW

Manual Integrations  
 APPROVED

Sohil  
 7/28/2017 4:46:41 PM

Quant Time: Jul 27 16:37:11 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jul 25 14:11:51 2017  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc    | Units | Dev(Min) |
|-----------------------------|-------|------|----------|---------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.49  | 152  | 99737    | 20.00   | ng    | 0.00     |
| 21) Naphthalene-d8          | 7.77  | 136  | 321966   | 20.00   | ng    | -0.01    |
| 38) Acenaphthene-d10        | 9.53  | 164  | 106452   | 20.00   | ng    | 0.00     |
| 63) Phenanthrene-d10        | 11.00 | 188  | 207963   | 20.00   | ng    | 0.00     |
| 75) Chrysene-d12            | 13.62 | 240  | 186858   | 20.00   | ng    | 0.00     |
| 86) Perylene-d12            | 14.97 | 264  | 165303   | 20.00   | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |         |       |          |
| 5) 2-Fluorophenol           | 5.09  | 112  | 747349   | 112.96  | ng    | 0.00     |
| 7) Phenol-d6                | 6.16  | 99   | 907103   | 120.10  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.06  | 82   | 522649   | 95.23   | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol    | 10.32 | 330  | 116025   | 137.95  | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 8.86  | 172  | 611646   | 97.51   | ng    | 0.00     |
| 78) Terphenyl-d14           | 12.57 | 244  | 484960   | 52.92   | ng    | -0.01    |
| Target Compounds            |       |      |          |         |       | Qvalue   |
| 10) Phenol                  | 6.17  | 94   | 40101    | 4.476   | ng    | 91       |
| 11) bis(2-Chloroethyl)ether | 6.24  | 93   | 891802   | 125.857 | ng    | 87       |
| 13) 1,4-Dichlorobenzene     | 6.51  | 146  | 52617    | 6.964   | ng    | # 93     |
| 14) 1,2-Dichlorobenzene     | 6.66  | 146  | 78932    | 11.965  | ng    | 99       |
| 31) Naphthalene             | 7.80  | 128  | 1091679  | 71.929  | ng    | 97       |
| 37) 2-Methylnaphthalene     | 8.50  | 142  | 1254681  | 130.568 | ng    | 97       |
| 45) 1,1'-Biphenyl           | 8.96  | 154  | 123475   | 13.580  | ng    | 96       |
| 49) Dimethylphthalate       | 9.26  | 163  | 168484   | 20.842  | ng    | # 97     |
| 51) Acenaphthene            | 9.56  | 154  | 88338    | 14.602  | ng    | 91       |
| 54) Dibenzofuran            | 9.73  | 168  | 75059m   | 9.315   | ng    |          |
| 57) Fluorene                | 10.07 | 166  | 132633   | 21.900  | ng    | # 83     |
| 70) Phenanthrene            | 11.02 | 178  | 163227   | 14.649  | ng    | # 94     |
| 71) Anthracene              | 11.07 | 178  | 52499    | 4.600   | ng    | # 84     |
| 74) Fluoranthene            | 12.20 | 202  | 190355   | 17.438  | ng    | 98       |
| 77) Pyrene                  | 12.43 | 202  | 195868   | 12.804  | ng    | 97       |
| 80) Benzo(a)anthracene      | 13.61 | 228  | 126471   | 10.460  | ng    | 97       |
| 82) Chrysene                | 13.64 | 228  | 127999   | 10.842  | ng    | 97       |
| 85) Indeno(1,2,3-cd)pyrene  | 16.19 | 276  | 73381    | 7.249   | ng    | 95       |
| 87) Benzo(b)fluoranthene    | 14.61 | 252  | 167606m  | 16.867  | ng    |          |
| 88) Benzo(k)fluoranthene    | 14.62 | 252  | 70625m   | 7.459   | ng    |          |
| 89) Benzo(a)pyrene          | 14.92 | 252  | 140448   | 15.443  | ng    | # 91     |
| 90) Dibenzo(a,h)anthracene  | 16.19 | 278  | 20499    | 2.749   | ng    | # 74     |
| 91) Benzo(g,h,i)perylene    | 16.55 | 276  | 76807    | 9.821   | ng    | 91       |

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

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