

Data Path : Z:\HPCHEM1\BNA F\DATA\BF073117\  
 Data File : BF097213.D  
 Acq On : 31 Jul 2017 17:42  
 Operator : SJ/JU  
 Sample : I4488-01 2X  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CL-02-072717-A

Manual Integrations  
 APPROVED

Sohil  
 8/1/2017 5:44:41 PM

Quant Time: Aug 01 11:54:00 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   | 6.48  | 152  | 112308   | 20.00  | ng    | -0.02    |
| 21) Naphthalene-d8          | 7.76  | 136  | 472045   | 20.00  | ng    | -0.02    |
| 38) Acenaphthene-d10        | 9.51  | 164  | 156093   | 20.00  | ng    | -0.02    |
| 63) Phenanthrene-d10        | 10.99 | 188  | 219770   | 20.00  | ng    | -0.02    |
| 75) Chrysene-d12            | 13.62 | 240  | 200810   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12            | 14.97 | 264  | 185289   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.09  | 112  | 408135   | 54.78  | ng    | -0.01    |
| 7) Phenol-d6                | 6.15  | 99   | 473228   | 55.64  | ng    | -0.02    |
| 23) Nitrobenzene-d5         | 7.05  | 82   | 255154   | 31.71  | ng    | -0.03    |
| 41) 2,4,6-Tribromophenol    | 10.30 | 330  | 58661    | 47.56  | ng    | -0.02    |
| 44) 2-Fluorobiphenyl        | 8.84  | 172  | 453748   | 49.33  | ng    | -0.03    |
| 78) Terphenyl-d14           | 12.57 | 244  | 270044   | 27.42  | ng    | -0.02    |
| Target Compounds            |       |      |          |        |       | Qvalue   |
| 10) Phenol                  | 6.16  | 94   | 26200    | 2.597  | ng    | 79       |
| 31) Naphthalene             | 7.78  | 128  | 56987    | 2.561  | ng    | 99       |
| 37) 2-Methylnaphthalene     | 8.47  | 142  | 84827    | 6.021  | ng    | 98       |
| 48) Acenaphthylene          | 9.37  | 152  | 130028   | 8.634  | ng    | 98       |
| 49) Dimethylphthalate       | 9.24  | 163  | 78873    | 6.654  | ng    | # 99     |
| 51) Acenaphthene            | 9.54  | 154  | 104430   | 11.773 | ng    | 98       |
| 54) Dibenzofuran            | 9.72  | 168  | 62934    | 5.326  | ng    | # 89     |
| 57) Fluorene                | 10.05 | 166  | 175749   | 19.791 | ng    | 97       |
| 70) Phenanthrene            | 11.01 | 178  | 658565   | 55.927 | ng    | 99       |
| 71) Anthracene              | 11.06 | 178  | 234265   | 19.424 | ng    | 98       |
| 72) Carbazole               | 11.22 | 167  | 35171    | 2.965  | ng    | 93       |
| 74) Fluoranthene            | 12.20 | 202  | 673113   | 58.350 | ng    | 99       |
| 77) Pvrene                  | 12.42 | 202  | 785770   | 47.797 | ng    | 100      |
| 80) Benzo(a)anthracene      | 13.61 | 228  | 325518   | 25.053 | ng    | # 90     |
| 82) Chrysene                | 13.64 | 228  | 310239m  | 24.452 | ng    |          |
| 85) Indeno(1,2,3-cd)pyrene  | 16.20 | 276  | 107076   | 9.842  | ng    | 97       |
| 87) Benzo(b)fluoranthene    | 14.62 | 252  | 301195m  | 27.042 | ng    |          |
| 88) Benzo(k)fluoranthene    | 14.63 | 252  | 98283m   | 9.260  | ng    |          |
| 89) Benzo(a)pvrene          | 14.92 | 252  | 261710   | 25.673 | ng    | # 96     |
| 90) Dibenzo(a,h)anthracene  | 16.20 | 278  | 28766    | 3.441  | ng    | # 65     |
| 91) Benzo(g,h,i)perylene    | 16.57 | 276  | 104743   | 11.948 | ng    | 98       |

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

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