

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080117\  
 Data File : BF097227.D  
 Acq On : 1 Aug 2017 12:42  
 Operator : SJ/JU  
 Sample : I4488-10DL 2X  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

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

Manual Integrations  
 APPROVED

Sohil  
 8/2/2017 7:15:14 PM

Quant Time: Aug 01 15:22:45 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Aug 01 14:57:42 2017  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)  |
|-----------------------------|-------|------|----------|--------|-------|-----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.46  | 152  | 99178    | 20.00  | ng    | 0.00      |
| 21) Naphthalene-d8          | 7.75  | 136  | 363502   | 20.00  | ng    | 0.00      |
| 38) Acenaphthene-d10        | 9.49  | 164  | 139275   | 20.00  | ng    | 0.00      |
| 63) Phenanthrene-d10        | 10.97 | 188  | 235629   | 20.00  | ng    | 0.00      |
| 75) Chrysene-d12            | 13.60 | 240  | 203296   | 20.00  | ng    | 0.00      |
| 86) Perylene-d12            | 14.94 | 264  | 169649   | 20.00  | ng    | 0.00      |
| System Monitoring Compounds |       |      |          |        |       |           |
| 5) 2-Fluorophenol           | 5.07  | 112  | 356828   | 54.24  | ng    | 0.00      |
| 7) Phenol-d6                | 6.14  | 99   | 385102   | 51.27  | ng    | -0.01     |
| 23) Nitrobenzene-d5         | 7.03  | 82   | 201521   | 32.52  | ng    | -0.01     |
| 41) 2,4,6-Tribromophenol    | 10.28 | 330  | 52971    | 48.14  | ng    | -0.01     |
| 44) 2-Fluorobiphenyl        | 8.83  | 172  | 311918   | 38.01  | ng    | 0.00      |
| 78) Terphenyl-d14           | 12.55 | 244  | 241716   | 24.24  | ng    | 0.00      |
| Target Compounds            |       |      |          |        |       |           |
| 10) Phenol                  | 6.15  | 94   | 19589    | 2.199  | ng    | Qvalue 87 |
| 31) Naphthalene             | 7.77  | 128  | 75040    | 4.379  | ng    | 98        |
| 37) 2-Methylnaphthalene     | 8.46  | 142  | 70498    | 6.498  | ng    | 98        |
| 48) Acenaphthylene          | 9.36  | 152  | 122345   | 9.105  | ng    | 98        |
| 49) Dimethylphthalate       | 9.23  | 163  | 66327    | 6.271  | ng    | 99        |
| 51) Acenaphthene            | 9.53  | 154  | 86020    | 10.868 | ng    | 97        |
| 54) Dibenzofuran            | 9.70  | 168  | 52791    | 5.008  | ng    | # 95      |
| 57) Fluorene                | 10.04 | 166  | 142082   | 17.932 | ng    | 94        |
| 70) Phenanthrene            | 10.99 | 178  | 674670   | 53.439 | ng    | 100       |
| 71) Anthracene              | 11.05 | 178  | 251849   | 19.477 | ng    | 97        |
| 72) Carbazole               | 11.21 | 167  | 31461    | 2.474  | ng    | 97        |
| 74) Fluoranthene            | 12.18 | 202  | 796078   | 64.365 | ng    | 98        |
| 77) Pvrene                  | 12.40 | 202  | 920630   | 55.316 | ng    | 99        |
| 80) Benzo(a)anthracene      | 13.59 | 228  | 417824   | 31.764 | ng    | 92        |
| 82) Chrysene                | 13.62 | 228  | 400979m  | 31.218 | ng    |           |
| 85) Indeno(1,2,3-cd)pyrene  | 16.16 | 276  | 113926   | 10.344 | ng    | 94        |
| 87) Benzo(b)fluoranthene    | 14.59 | 252  | 338889m  | 33.231 | ng    |           |
| 88) Benzo(k)fluoranthene    | 14.61 | 252  | 136400m  | 14.036 | ng    |           |
| 89) Benzo(a)pvrene          | 14.90 | 252  | 280241   | 30.026 | ng    | 96        |
| 90) Dibenzo(a,h)anthracene  | 16.16 | 278  | 32816    | 4.288  | ng    | # 78      |
| 91) Benzo(g,h,i)perylene    | 16.52 | 276  | 110594   | 13.779 | ng    | 99        |

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

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