

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121217\  
 Data File : BF101354.D  
 Acq On : 13 Dec 2017 3:17  
 Operator : SJ/JU  
 Sample : I6813-01DL 2X  
 Misc :  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 Soil-CuttingsDL

Manual Integrations  
 APPROVED

Sohil  
 12/13/2017 12:08:31 PM

Quant Time: Dec 13 13:13:41 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Dec 08 18:17:31 2017  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.82  | 152  | 45850    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.10  | 136  | 173467   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 9.86  | 164  | 71242    | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 11.36 | 188  | 120094   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 14.01 | 240  | 101334   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 15.49 | 264  | 86591    | 20.00  | ng    | 0.02     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.44  | 112  | 145488   | 52.43  | ng    | 0.00     |
| 7) Phenol-d6                | 6.46  | 99   | 174938   | 51.93  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.39  | 82   | 101060   | 34.75  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 10.66 | 330  | 35462    | 41.44  | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.17  | 172  | 201836   | 38.76  | ng    | -0.01    |
| 78) Terphenyl-d14           | 12.94 | 244  | 147433   | 31.82  | ng    | 0.00     |
| Target Compounds            |       |      |          |        |       |          |
| 48) Acenaphthylene          | 9.72  | 152  | 83556    | 10.968 | ng    | 99       |
| 49) Dimethylphthalate       | 9.57  | 163  | 13147    | 2.288  | ng    | 98       |
| 70) Phenanthrene            | 11.38 | 178  | 109777   | 16.599 | ng    | 95       |
| 71) Anthracene              | 11.43 | 178  | 43225    | 6.458  | ng    | 98       |
| 74) Fluoranthene            | 12.57 | 202  | 138119   | 18.840 | ng    | 93       |
| 77) Pyrene                  | 12.80 | 202  | 289642   | 41.423 | ng    | 100      |
| 79) Butylbenzylphthalate    | 13.41 | 149  | 24773    | 8.036  | ng    | 86       |
| 80) Benzo(a)anthracene      | 14.00 | 228  | 105796m  | 16.536 | ng    |          |
| 82) Chrysene                | 14.03 | 228  | 104687m  | 17.618 | ng    |          |
| 85) Indeno(1,2,3-cd)pyrene  | 16.97 | 276  | 47677    | 9.025  | ng    | # 88     |
| 87) Benzo(b)fluoranthene    | 15.06 | 252  | 110825m  | 21.368 | ng    |          |
| 88) Benzo(k)fluoranthene    | 15.08 | 252  | 21130m   | 4.135  | ng    |          |
| 89) Benzo(a)pyrene          | 15.42 | 252  | 95182    | 20.186 | ng    | 98       |
| 90) Dibenzo(a,h)anthracene  | 16.97 | 278  | 14130m   | 3.399  | ng    |          |
| 91) Benzo(a,h,i)perylene    | 17.42 | 276  | 64894m   | 16.565 | ng    |          |

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

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