

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072418\  
 Data File : BF107630.D  
 Acq On : 24 Jul 2018 20:19  
 Operator : JU/SJ  
 Sample : J4098-03  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 GL-TOPSOIL-03

Manual Integrations  
 APPROVED

Sohil  
 7/25/2018 12:58:33 PM

Quant Time: Jul 25 04:08:10 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF072018.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jul 20 16:29:27 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.97  | 152  | 237185   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.25  | 136  | 878862   | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10        | 10.01 | 164  | 339986   | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10        | 11.51 | 188  | 607883   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 14.15 | 240  | 451719   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12            | 15.69 | 264  | 358934   | 20.00  | ng    | -0.01    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.61  | 112  | 1273113  | 86.30  | ng    | 0.00     |
| 7) Phenol-d6                | 6.61  | 99   | 1555456  | 87.81  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.53  | 82   | 922029   | 70.80  | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol    | 10.81 | 330  | 330571   | 85.50  | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 9.32  | 172  | 1400326  | 66.29  | ng    | -0.01    |
| 78) Terphenyl-d14           | 13.09 | 244  | 1148999  | 65.12  | ng    | -0.01    |
| Target Compounds            |       |      |          |        |       | Qvalue   |
| 15) Benzyl Alcohol          | 7.11  | 79   | 292738   | 24.249 | ng    | 99       |
| 37) 2-Methylnaphthalene     | 8.97  | 142  | 120066   | 4.483  | ng    | 97       |
| 49) Dimethylphthalate       | 9.71  | 163  | 240123   | 9.371  | ng    | 99       |
| 70) Phenanthrene            | 11.52 | 178  | 79589    | 2.687  | ng    | 99       |
| 74) Fluoranthene            | 12.72 | 202  | 258519   | 8.133  | ng    | 98       |
| 77) Pyrene                  | 12.95 | 202  | 238957   | 7.734  | ng    | 98       |
| 80) Benzo(a)anthracene      | 14.14 | 228  | 116535   | 4.402  | ng    | 96       |
| 82) Chrysene                | 14.18 | 228  | 129240   | 5.082  | ng    | 97       |
| 85) Indeno(1,2,3-cd)pyrene  | 17.27 | 276  | 60052    | 2.786  | ng    | # 90     |
| 87) Benzo(b)fluoranthene    | 15.23 | 252  | 142881m  | 7.273  | ng    |          |
| 88) Benzo(k)fluoranthene    | 15.25 | 252  | 61401m   | 3.190  | ng    |          |
| 89) Benzo(a)pyrene          | 15.62 | 252  | 87528    | 4.871  | ng    | # 82     |
| 91) Benzo(a,h,i)perylene    | 17.75 | 276  | 60397    | 3.942  | ng    | # 90     |

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

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