

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121619\  
 Data File : BF118222.D  
 Acq On : 17 Dec 2019 3:14  
 Operator : JU  
 Sample : K6284-02  
 Misc :  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 48-SPRUCE

Manual Integrations  
 APPROVED

mohammad  
 12/17/2019 3:19:41 PM

Quant Time: Dec 17 05:26:13 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120619.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Dec 06 17:34:43 2019  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.86  | 152  | 94107    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.15  | 136  | 357385   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 9.91  | 164  | 178911   | 20.00  | ng    | -0.01    |
| 64) Phenanthrene-d10        | 11.40 | 188  | 308630   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12            | 14.06 | 240  | 219039   | 20.00  | ng    | -0.01    |
| 87) Perylene-d12            | 15.55 | 264  | 265121   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.47  | 112  | 569772   | 106.04 | ng    | 0.00     |
| 7) Phenol-d6                | 6.49  | 99   | 728007   | 112.02 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.43  | 82   | 425186   | 66.93  | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol    | 10.70 | 330  | 219396   | 100.94 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl        | 9.23  | 172  | 805739   | 68.53  | ng    | -0.01    |
| 79) Terphenyl-d14           | 12.99 | 244  | 691773   | 54.31  | ng    | -0.01    |
| Target Compounds            |       |      |          |        |       |          |
| 10) Phenol                  | 6.50  | 94   | 22699    | 3.063  | ng    | 83       |
| 50) Dimethylphthalate       | 9.62  | 163  | 38125    | 2.885  | ng    | 100      |
| 71) Phenanthrene            | 11.43 | 178  | 178838   | 10.900 | ng    | 100      |
| 72) Anthracene              | 11.48 | 178  | 34429    | 2.104  | ng    | 98       |
| 75) Fluoranthene            | 12.62 | 202  | 209191   | 12.471 | ng    | 99       |
| 78) Pyrene                  | 12.85 | 202  | 176322   | 10.215 | ng    | 98       |
| 81) Benzo(a)anthracene      | 14.04 | 228  | 95668    | 6.316  | ng    | 99       |
| 83) Chrysene                | 14.08 | 228  | 83767    | 5.790  | ng    | 97       |
| 86) Indeno(1,2,3-cd)pyrene  | 17.06 | 276  | 43304    | 3.557  | ng    | 97       |
| 88) Benzo(b)fluoranthene    | 15.11 | 252  | 117910m  | 6.725  | ng    |          |
| 89) Benzo(k)fluoranthene    | 15.13 | 252  | 42601m   | 2.529  | ng    |          |
| 90) Benzo(a)pyrene          | 15.49 | 252  | 80457    | 5.195  | ng    | 97       |
| 92) Benzo(a,h,i)perylene    | 17.51 | 276  | 37980    | 2.976  | ng    | # 91     |

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

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