

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN100719\  
 Data File : BN008051.D  
 Acq On : 07 Oct 2019 15:51  
 Operator : JU  
 Sample : K5078-11  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 PST-024-B281-092519

Manual Integrations  
 APPROVED

mohammad  
 10/8/2019 12:23:12 PM

Quant Time: Oct 07 23:49:31 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN091819.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Thu Oct 03 18:39:49 2019

Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.67  | 152  | 2244     | 0.40  | ng    | -0.03    |
| 7) Naphthalene-d8              | 10.43 | 136  | 9252     | 0.40  | ng    | -0.04    |
| 13) Acenaphthene-d10           | 14.29 | 164  | 6030     | 0.40  | ng    | -0.03    |
| 19) Phenanthrene-d10           | 17.04 | 188  | 13142    | 0.40  | ng    | -0.03    |
| 27) Chrysene-d12               | 21.25 | 240  | 20890    | 0.40  | ng    | -0.02    |
| 34) Perylene-d12               | 23.45 | 264  | 21195    | 0.40  | ng    | -0.04    |
| System Monitoring Compounds    |       |      |          |       |       |          |
| 4) 2-Fluorophenol              | 5.29  | 112  | 1534     | 0.20  | ng    | -0.02    |
| 5) Phenol-d6                   | 6.86  | 99   | 1966     | 0.20  | ng    | -0.02    |
| 8) Nitrobenzene-d5             | 8.81  | 82   | 1694     | 0.21  | ng    | -0.03    |
| 11) 2-Methylnaphthalene-d10    | 12.03 | 152  | 3659     | 0.23  | ng    | -0.03    |
| 14) 2,4,6-Tribromophenol       | 15.80 | 330  | 718      | 0.22  | ng    | -0.02    |
| 15) 2-Fluorobiphenyl           | 12.92 | 172  | 5050     | 0.20  | ng    | -0.02    |
| 25) Fluoranthene-d10           | 19.08 | 212  | 10413    | 0.24  | ng    | -0.02    |
| 29) Terphenyl-d14              | 19.68 | 244  | 11666    | 0.23  | ng    | -0.03    |
| Target Compounds               |       |      |          |       |       | Qvalue   |
| 9) Naphthalene                 | 10.48 | 128  | 3821     | 0.147 | ng    | # 90     |
| 12) 2-Methylnaphthalene        | 12.10 | 142  | 3848     | 0.219 | ng    | 95       |
| 16) Acenaphthylene             | 14.01 | 152  | 61046    | 1.909 | ng    | 99       |
| 17) Acenaphthene               | 14.36 | 154  | 4698     | 0.228 | ng    | 95       |
| 18) Fluorene                   | 15.35 | 166  | 15506    | 0.587 | ng    | # 85     |
| 22) Pentachlorophenol          | 16.71 | 266  | 175      | 0.054 | ng    | # 80     |
| 23) Phenanthrene               | 17.08 | 178  | 274688   | 6.710 | ng    | 100      |
| 24) Anthracene                 | 17.18 | 178  | 53256    | 1.440 | ng    | 97       |
| 26) Fluoranthene               | 19.11 | 202  | 362617   | 7.123 | ng    | 99       |
| 28) Pylene                     | 19.48 | 202  | 428717   | 6.017 | ng    | 97       |
| 30) Benzo(a)anthracene         | 21.23 | 228  | 225493   | 2.931 | ng    | 95       |
| 31) Chrysene                   | 21.28 | 228  | 253528   | 3.382 | ng    | 97       |
| 32) Bis(2-ethylhexyl)phthalate | 21.17 | 149  | 20121m   | 0.509 | ng    |          |
| 33) Indeno(1,2,3-cd)pyrene     | 25.66 | 276  | 133751   | 1.425 | ng    | # 96     |
| 35) Benzo(b)fluoranthene       | 22.80 | 252  | 269061   | 3.657 | ng    | 98       |
| 36) Benzo(k)fluoranthene       | 22.82 | 252  | 106936m  | 1.470 | ng    |          |
| 37) Benzo(a)pyrene             | 23.35 | 252  | 197800   | 2.861 | ng    | 99       |
| 38) Dibenzo(a,h)anthracene     | 25.66 | 278  | 39197    | 0.554 | ng    | # 86     |
| 39) Benzo(g,h,i)perylene       | 26.33 | 276  | 138989   | 1.985 | ng    | 100      |

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

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