

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN070519\  
 Data File : BN006720.D  
 Acq On : 05 Jul 2019 17:42  
 Operator : HP/JU  
 Sample : K3558-16  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 PST-016-B056-062619

Manual Integrations  
 APPROVED

mohammad  
 7/8/2019 2:15:57 PM

Quant Time: Jul 05 23:24:14 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN070219.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri Jul 05 05:30:28 2019

Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.60  | 152  | 3262     | 0.40 | ng    | -0.02    |
| 7) Naphthalene-d8         | 10.38 | 136  | 12563    | 0.40 | ng    | -0.01    |
| 13) Acenaphthene-d10      | 14.24 | 164  | 8087     | 0.40 | ng    | -0.02    |
| 19) Phenanthrene-d10      | 17.00 | 188  | 18604    | 0.40 | ng    | -0.02    |
| 27) Chrysene-d12          | 21.23 | 240  | 18469    | 0.40 | ng    | -0.03    |
| 34) Perylene-d12          | 23.45 | 264  | 21439    | 0.40 | ng    | -0.06    |

#### System Monitoring Compounds

|                             |       |     |      |      |    |       |
|-----------------------------|-------|-----|------|------|----|-------|
| 4) 2-Fluorophenol           | 5.24  | 112 | 705  | 0.08 | ng | 0.00  |
| 5) Phenol-d6                | 6.84  | 99  | 892  | 0.08 | ng | 0.00  |
| 8) Nitrobenzene-d5          | 8.83  | 82  | 652  | 0.07 | ng | 0.04  |
| 11) 2-Methylnaphthalene-d10 | 11.99 | 152 | 1767 | 0.09 | ng | 0.00  |
| 14) 2,4,6-Tribromophenol    | 15.78 | 330 | 352  | 0.09 | ng | -0.01 |
| 15) 2-Fluorobiphenyl        | 12.86 | 172 | 2450 | 0.08 | ng | -0.02 |
| 25) Fluoranthene-d10        | 19.05 | 212 | 4538 | 0.09 | ng | -0.02 |
| 29) Terphenyl-d14           | 19.66 | 244 | 3264 | 0.08 | ng | -0.02 |

#### Target Compounds

|                            |       |     |       |       |    | Qvalue |
|----------------------------|-------|-----|-------|-------|----|--------|
| 16) Acenaphthylene         | 13.96 | 152 | 1757  | 0.044 | ng | 98     |
| 23) Phenanthrene           | 17.05 | 178 | 8522  | 0.159 | ng | 99     |
| 24) Anthracene             | 17.15 | 178 | 1371  | 0.028 | ng | # 92   |
| 26) Fluoranthene           | 19.08 | 202 | 12136 | 0.193 | ng | 99     |
| 28) Pyrene                 | 19.45 | 202 | 18262 | 0.247 | ng | 97     |
| 30) Benzo(a)anthracene     | 21.22 | 228 | 7552  | 0.119 | ng | # 90   |
| 31) Chrysene               | 21.27 | 228 | 8827  | 0.134 | ng | # 93   |
| 33) Indeno(1,2,3-cd)pyrene | 25.68 | 276 | 4482  | 0.057 | ng | 94     |
| 35) Benzo(b)fluoranthene   | 22.79 | 252 | 8926  | 0.130 | ng | # 87   |
| 36) Benzo(k)fluoranthene   | 22.83 | 252 | 2991m | 0.040 | ng |        |
| 37) Benzo(a)pyrene         | 23.36 | 252 | 6626  | 0.099 | ng | # 88   |
| 39) Benzo(a,h,i)perylene   | 26.35 | 276 | 5437  | 0.080 | ng | 93     |

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

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