

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE070519\  
 Data File : BE100390.D  
 Acq On : 5 Jul 2019 20:21  
 Operator : JU/SJ  
 Sample : K3560-06  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 EXT-009-SW143-062419

Manual Integrations  
 APPROVED

mohammad  
 7/8/2019 2:14:08 PM

Quant Time: Jul 06 00:55:39 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE062819.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri Jun 28 14:06:53 2019

Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.62  | 152  | 747      | 0.40 | ng    | -0.02    |
| 7) Naphthalene-d8         | 10.42 | 136  | 2492     | 0.40 | ng    | -0.03    |
| 13) Acenaphthene-d10      | 14.30 | 164  | 1858     | 0.40 | ng    | -0.01    |
| 19) Phenanthrene-d10      | 17.04 | 188  | 5452     | 0.40 | ng    | -0.01    |
| 27) Chrysene-d12          | 21.23 | 240  | 7101     | 0.40 | ng    | -0.01    |
| 34) Perylene-d12          | 23.65 | 264  | 8875     | 0.40 | ng    | -0.01    |

#### System Monitoring Compounds

|                             |       |     |       |      |    |       |
|-----------------------------|-------|-----|-------|------|----|-------|
| 4) 2-Fluorophenol           | 5.19  | 112 | 524   | 0.28 | ng | -0.02 |
| 5) Phenol-d6                | 6.82  | 99  | 669   | 0.27 | ng | -0.02 |
| 8) Nitrobenzene-d5          | 8.80  | 82  | 454   | 0.18 | ng | -0.03 |
| 11) 2-Methylnaphthalene-d10 | 12.02 | 152 | 1185  | 0.25 | ng | -0.03 |
| 14) 2,4,6-Tribromophenol    | 15.81 | 330 | 411   | 0.32 | ng | -0.01 |
| 15) 2-Fluorobiphenyl        | 12.93 | 172 | 1787  | 0.25 | ng | -0.01 |
| 25) Fluoranthene-d10        | 19.08 | 212 | 17989 | 0.23 | ng | -0.02 |
| 29) Terphenyl-d14           | 19.68 | 244 | 3677  | 0.25 | ng | -0.02 |

#### Target Compounds

|                                |       |     |       |       |    | Qvalue |
|--------------------------------|-------|-----|-------|-------|----|--------|
| 9) Naphthalene                 | 10.47 | 128 | 956   | 0.035 | ng | # 82   |
| 12) 2-Methylnaphthalene        | 12.11 | 142 | 147   | 0.030 | ng | # 87   |
| 16) Acenaphthylene             | 14.03 | 152 | 769   | 0.086 | ng | 98     |
| 17) Acenaphthene               | 14.36 | 154 | 167   | 0.033 | ng | 94     |
| 18) Fluorene                   | 15.34 | 166 | 309   | 0.041 | ng | # 88   |
| 23) Phenanthrene               | 17.08 | 178 | 9800  | 0.742 | ng | 99     |
| 24) Anthracene                 | 17.17 | 178 | 1490  | 0.125 | ng | 98     |
| 26) Fluoranthene               | 19.12 | 202 | 28543 | 1.356 | ng | 100    |
| 28) Pyrene                     | 19.48 | 202 | 27104 | 1.442 | ng | 97     |
| 30) Benzo(a)anthracene         | 21.22 | 228 | 15763 | 0.675 | ng | # 90   |
| 31) Chrysene                   | 21.27 | 228 | 14749 | 0.629 | ng | 95     |
| 32) Bis(2-ethylhexyl)phthalate | 21.14 | 149 | 8825  | 0.210 | ng | # 99   |
| 33) Indeno(1,2,3-cd)pyrene     | 26.20 | 276 | 11699 | 0.377 | ng | # 91   |
| 35) Benzo(b)fluoranthene       | 22.91 | 252 | 22240 | 0.924 | ng | 97     |
| 36) Benzo(k)fluoranthene       | 22.95 | 252 | 7378m | 0.275 | ng |        |
| 37) Benzo(a)pyrene             | 23.54 | 252 | 15234 | 0.632 | ng | 95     |
| 38) Dibenzo(a,h)anthracene     | 26.21 | 278 | 2671  | 0.106 | ng | # 55   |
| 39) Benzo(a,h,i)perylene       | 26.99 | 276 | 13267 | 0.513 | ng | 95     |

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

