

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE062819\  
 Data File : BE100252.D  
 Acq On : 29 Jun 2019 1:41  
 Operator : JU/SJ  
 Sample : K3445-14  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 EXT-029-SW171-061719

Manual Integrations  
 APPROVED

mohammad  
 7/1/2019 3:07:50 PM

Quant Time: Jun 29 03:47:17 2019

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

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Sat Jun 29 00:22:29 2019

Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.65  | 152  | 771      | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.43 | 136  | 2805     | 0.40 | ng    | -0.01    |
| 13) Acenaphthene-d10      | 14.31 | 164  | 2287     | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 17.05 | 188  | 7004     | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12          | 21.24 | 240  | 9204     | 0.40 | ng    | 0.00     |
| 34) Perylene-d12          | 23.67 | 264  | 11010    | 0.40 | ng    | 0.00     |

#### System Monitoring Compounds

|                             |       |     |       |      |    |       |
|-----------------------------|-------|-----|-------|------|----|-------|
| 4) 2-Fluorophenol           | 5.22  | 112 | 598   | 0.30 | ng | 0.00  |
| 5) Phenol-d6                | 6.82  | 99  | 852   | 0.33 | ng | -0.02 |
| 8) Nitrobenzene-d5          | 8.81  | 82  | 889   | 0.32 | ng | -0.01 |
| 11) 2-Methylnaphthalene-d10 | 12.04 | 152 | 1937  | 0.37 | ng | -0.01 |
| 14) 2,4,6-Tribromophenol    | 15.81 | 330 | 561   | 0.35 | ng | -0.01 |
| 15) 2-Fluorobiphenyl        | 12.94 | 172 | 2560  | 0.29 | ng | 0.00  |
| 25) Fluoranthene-d10        | 19.10 | 212 | 35100 | 0.35 | ng | 0.00  |
| 29) Terphenyl-d14           | 19.70 | 244 | 5320  | 0.28 | ng | 0.00  |

#### Target Compounds

|                                |       |     |        |       |    | Qvalue |
|--------------------------------|-------|-----|--------|-------|----|--------|
| 9) Naphthalene                 | 10.48 | 128 | 5239   | 0.169 | ng | 98     |
| 12) 2-Methylnaphthalene        | 12.12 | 142 | 785    | 0.145 | ng | 95     |
| 16) Acenaphthylene             | 14.04 | 152 | 5149   | 0.469 | ng | 99     |
| 17) Acenaphthene               | 14.38 | 154 | 490    | 0.079 | ng | 96     |
| 18) Fluorene                   | 15.35 | 166 | 1633   | 0.178 | ng | # 84   |
| 23) Phenanthrene               | 17.09 | 178 | 38598  | 2.274 | ng | 99     |
| 24) Anthracene                 | 17.19 | 178 | 5563   | 0.364 | ng | 97     |
| 26) Fluoranthene               | 19.13 | 202 | 75389  | 2.788 | ng | 99     |
| 28) Pyrene                     | 19.49 | 202 | 90359  | 3.708 | ng | # 96   |
| 30) Benzo(a)anthracene         | 21.23 | 228 | 48157m | 1.591 | ng |        |
| 31) Chrysene                   | 21.28 | 228 | 60215  | 1.982 | ng | 97     |
| 32) Bis(2-ethylhexyl)phthalate | 21.15 | 149 | 20911  | 0.431 | ng | 98     |
| 33) Indeno(1,2,3-cd)pyrene     | 26.22 | 276 | 31279  | 0.778 | ng | 97     |
| 35) Benzo(b)fluoranthene       | 22.93 | 252 | 62554  | 2.096 | ng | # 98   |
| 36) Benzo(k)fluoranthene       | 22.97 | 252 | 18427m | 0.553 | ng |        |
| 37) Benzo(a)pyrene             | 23.56 | 252 | 46753  | 1.563 | ng | # 95   |
| 38) Dibenzo(a,h)anthracene     | 26.23 | 278 | 9874   | 0.316 | ng | # 82   |
| 39) Benzo(a,h,i)perylene       | 27.01 | 276 | 34601  | 1.078 | ng | 99     |

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

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