

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE070219\  
 Data File : BE100311.D  
 Acq On : 2 Jul 2019 20:26  
 Operator : JU/SJ  
 Sample : K3446-14DL 2X  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 EXT-008-SW123-061819-1DL

Manual Integrations  
 APPROVED

mohammad  
 7/3/2019 10:49:09 PM

Quant Time: Jul 03 03:50:12 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 | 7.64  | 152  | 867      | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.43 | 136  | 3116     | 0.40 | ng    | -0.01    |
| 13) Acenaphthene-d10      | 14.31 | 164  | 2492     | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 17.05 | 188  | 6821     | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12          | 21.24 | 240  | 8814     | 0.40 | ng    | 0.00     |
| 34) Perylene-d12          | 23.67 | 264  | 10402    | 0.40 | ng    | 0.01     |

|                             |       |     |       |      |    |       |
|-----------------------------|-------|-----|-------|------|----|-------|
| System Monitoring Compounds |       |     |       |      |    |       |
| 4) 2-Fluorophenol           | 5.21  | 112 | 327   | 0.15 | ng | 0.00  |
| 5) Phenol-d6                | 6.83  | 99  | 484   | 0.17 | ng | -0.01 |
| 8) Nitrobenzene-d5          | 8.82  | 82  | 422   | 0.14 | ng | 0.00  |
| 11) 2-Methylnaphthalene-d10 | 12.05 | 152 | 962   | 0.16 | ng | 0.00  |
| 14) 2,4,6-Tribromophenol    | 15.81 | 330 | 294   | 0.17 | ng | -0.01 |
| 15) 2-Fluorobiphenyl        | 12.94 | 172 | 1406  | 0.14 | ng | 0.00  |
| 25) Fluoranthene-d10        | 19.10 | 212 | 14570 | 0.15 | ng | 0.00  |
| 29) Terphenyl-d14           | 19.70 | 244 | 3280  | 0.18 | ng | 0.00  |

|                                |       |     |        |        |    |      |
|--------------------------------|-------|-----|--------|--------|----|------|
| Target Compounds               |       |     |        | Qvalue |    |      |
| 9) Naphthalene                 | 10.48 | 128 | 3592   | 0.105  | ng | # 96 |
| 12) 2-Methylnaphthalene        | 12.12 | 142 | 526    | 0.087  | ng | 94   |
| 16) Acenaphthylene             | 14.04 | 152 | 2556   | 0.214  | ng | 98   |
| 17) Acenaphthene               | 14.38 | 154 | 639    | 0.094  | ng | 95   |
| 18) Fluorene                   | 15.35 | 166 | 1423   | 0.142  | ng | # 94 |
| 23) Phenanthrene               | 17.09 | 178 | 42153  | 2.550  | ng | 100  |
| 24) Anthracene                 | 17.19 | 178 | 6613   | 0.444  | ng | 97   |
| 26) Fluoranthene               | 19.13 | 202 | 98293  | 3.733  | ng | 99   |
| 28) Pyrene                     | 19.49 | 202 | 95478  | 4.092  | ng | 96   |
| 30) Benzo(a)anthracene         | 21.23 | 228 | 59152  | 2.041  | ng | 97   |
| 31) Chrysene                   | 21.28 | 228 | 53977  | 1.855  | ng | 96   |
| 32) Bis(2-ethylhexyl)phthalate | 21.15 | 149 | 120743 | 2.890  | ng | 99   |
| 33) Indeno(1,2,3-cd)pyrene     | 26.23 | 276 | 35331  | 0.918  | ng | # 97 |
| 35) Benzo(b)fluoranthene       | 22.93 | 252 | 67876  | 2.407  | ng | # 97 |
| 36) Benzo(k)fluoranthene       | 22.97 | 252 | 26326m | 0.836  | ng |      |
| 37) Benzo(a)pyrene             | 23.56 | 252 | 48542  | 1.717  | ng | # 96 |
| 38) Dibenzo(a,h)anthracene     | 26.25 | 278 | 8970   | 0.304  | ng | # 80 |
| 39) Benzo(a,h,i)perylene       | 27.03 | 276 | 35546  | 1.172  | ng | 99   |

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

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