

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE011320\  
 Data File : BE101043.D  
 Acq On : 13 Jan 2020 18:12  
 Operator : JU  
 Sample : L1103-06  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SB-18(3-5)

Manual Integrations  
 APPROVED

mohammad  
 1/14/2020 12:24:02 PM

Quant Time: Jan 14 09:55:53 2020

Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE010820.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed Jan 08 18:36:25 2020

Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.73  | 152  | 2984     | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.51 | 136  | 12809    | 0.40 | ng    | 0.01     |
| 13) Acenaphthene-d10      | 14.36 | 164  | 8971     | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 17.09 | 188  | 19933    | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12          | 21.27 | 240  | 19067    | 0.40 | ng    | -0.01    |
| 34) Perylene-d12          | 23.69 | 264  | 21432    | 0.40 | ng    | -0.01    |

#### System Monitoring Compounds

|                             |       |     |       |      |    |       |
|-----------------------------|-------|-----|-------|------|----|-------|
| 4) 2-Fluorophenol           | 5.34  | 112 | 1766  | 0.26 | ng | 0.00  |
| 5) Phenol-d6                | 6.91  | 99  | 2096  | 0.25 | ng | 0.00  |
| 8) Nitrobenzene-d5          | 8.89  | 82  | 1979  | 0.22 | ng | 0.01  |
| 11) 2-Methylnaphthalene-d10 | 12.11 | 152 | 6856  | 0.28 | ng | 0.00  |
| 14) 2,4,6-Tribromophenol    | 15.85 | 330 | 507   | 0.20 | ng | 0.00  |
| 15) 2-Fluorobiphenyl        | 13.00 | 172 | 10974 | 0.32 | ng | 0.00  |
| 25) Fluoranthene-d10        | 19.12 | 212 | 77334 | 0.28 | ng | -0.01 |
| 29) Terphenyl-d14           | 19.73 | 244 | 18537 | 0.40 | ng | 0.00  |

#### Target Compounds

|                                |       |     |       |       |    | Qvalue |
|--------------------------------|-------|-----|-------|-------|----|--------|
| 6) bis(2-Chloroethyl)ether     | 7.15  | 93  | 27    | 0.003 | ng | # 1    |
| 9) Naphthalene                 | 10.56 | 128 | 1858  | 0.013 | ng | # 81   |
| 10) Hexachlorobutadiene        | 10.87 | 225 | 19    | 0.003 | ng | # 28   |
| 12) 2-Methylnaphthalene        | 12.18 | 142 | 100   | 0.005 | ng | # 49   |
| 16) Acenaphthylene             | 14.08 | 152 | 443   | 0.012 | ng | # 81   |
| 17) Acenaphthene               | 14.41 | 154 | 54    | 0.002 | ng | # 72   |
| 18) Fluorene                   | 15.41 | 166 | 147   | 0.004 | ng | # 76   |
| 20) 4-Bromophenyl-phenylether  | 16.25 | 248 | 11    | 0.001 | ng | # 69   |
| 21) Hexachlorobenzene          | 16.38 | 284 | 31    | 0.003 | ng | # 49   |
| 23) Phenanthrene               | 17.13 | 178 | 2311  | 0.042 | ng | 96     |
| 24) Anthracene                 | 17.24 | 178 | 957   | 0.019 | ng | 95     |
| 26) Fluoranthene               | 19.15 | 202 | 9404  | 0.138 | ng | 99     |
| 28) Pyrene                     | 19.51 | 202 | 8768  | 0.124 | ng | 98     |
| 30) Benzo(a)anthracene         | 21.26 | 228 | 5382m | 0.099 | ng |        |
| 31) Chrysene                   | 21.31 | 228 | 6458  | 0.080 | ng | 95     |
| 32) Bis(2-ethylhexyl)phthalate | 21.20 | 149 | 8245  | 0.091 | ng | # 99   |
| 33) Indeno(1,2,3-cd)pyrene     | 26.23 | 276 | 2843  | 0.044 | ng | 97     |
| 35) Benzo(b)fluoranthene       | 22.96 | 252 | 6273  | 0.104 | ng | # 89   |
| 36) Benzo(k)fluoranthene       | 22.99 | 252 | 4137m | 0.047 | ng |        |
| 37) Benzo(a)pyrene             | 23.58 | 252 | 3634  | 0.062 | ng | # 81   |
| 38) Dibenzo(a,h)anthracene     | 26.24 | 278 | 690   | 0.013 | ng | # 3    |
| 39) Benzo(g,h,i)perylene       | 27.00 | 276 | 3264  | 0.050 | ng | # 85   |

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

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