

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN091919\  
 Data File : BN007755.D  
 Acq On : 19 Sep 2019 23:33  
 Operator : HP/JU  
 Sample : K4918-13  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SB-1

Manual Integrations  
 APPROVED

mohammad  
 9/20/2019 1:10:48 PM

Quant Time: Sep 20 11:16:32 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN091819.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed Sep 18 18:24:40 2019

Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.70  | 152  | 6626     | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.47 | 136  | 26335    | 0.40 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 14.32 | 164  | 18845    | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 17.07 | 188  | 37912    | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12          | 21.27 | 240  | 41136    | 0.40 | ng    | 0.00     |
| 34) Perylene-d12          | 23.48 | 264  | 47470    | 0.40 | ng    | -0.01    |

#### System Monitoring Compounds

|                             |       |     |       |      |    |      |
|-----------------------------|-------|-----|-------|------|----|------|
| 4) 2-Fluorophenol           | 5.32  | 112 | 4642  | 0.20 | ng | 0.00 |
| 5) Phenol-d6                | 6.87  | 99  | 6396  | 0.22 | ng | 0.00 |
| 8) Nitrobenzene-d5          | 8.83  | 82  | 5374  | 0.23 | ng | 0.00 |
| 11) 2-Methylnaphthalene-d10 | 12.06 | 152 | 11875 | 0.27 | ng | 0.00 |
| 14) 2,4,6-Tribromophenol    | 15.82 | 330 | 1591  | 0.16 | ng | 0.00 |
| 15) 2-Fluorobiphenyl        | 12.94 | 172 | 17439 | 0.22 | ng | 0.00 |
| 25) Fluoranthene-d10        | 19.10 | 212 | 34385 | 0.27 | ng | 0.00 |
| 29) Terphenyl-d14           | 19.71 | 244 | 28089 | 0.28 | ng | 0.00 |

#### Target Compounds

|                                |       |     |         |       |    | Qvalue |
|--------------------------------|-------|-----|---------|-------|----|--------|
| 9) Naphthalene                 | 10.52 | 128 | 12437   | 0.168 | ng | 99     |
| 12) 2-Methylnaphthalene        | 12.13 | 142 | 5758    | 0.115 | ng | 98     |
| 16) Acenaphthylene             | 14.04 | 152 | 41025   | 0.410 | ng | 98     |
| 17) Acenaphthene               | 14.38 | 154 | 11341   | 0.176 | ng | 93     |
| 18) Fluorene                   | 15.37 | 166 | 15640   | 0.189 | ng | # 94   |
| 23) Phenanthrene               | 17.11 | 178 | 373190  | 3.160 | ng | 97     |
| 24) Anthracene                 | 17.20 | 178 | 114041  | 1.069 | ng | 97     |
| 26) Fluoranthene               | 19.13 | 202 | 796718  | 5.425 | ng | 99     |
| 28) Pyrene                     | 19.50 | 202 | 860331  | 6.132 | ng | # 95   |
| 30) Benzo(a)anthracene         | 21.25 | 228 | 569554  | 3.760 | ng | 97     |
| 31) Chrysene                   | 21.30 | 228 | 524644  | 3.554 | ng | 96     |
| 32) Bis(2-ethylhexyl)phthalate | 21.20 | 149 | 40787   | 0.524 | ng | # 79   |
| 33) Indeno(1,2,3-cd)pyrene     | 25.69 | 276 | 289689  | 1.567 | ng | 97     |
| 35) Benzo(b)fluoranthene       | 22.82 | 252 | 634832  | 3.852 | ng | 99     |
| 36) Benzo(k)fluoranthene       | 22.86 | 252 | 221628m | 1.360 | ng |        |
| 37) Benzo(a)pyrene             | 23.39 | 252 | 466600  | 3.013 | ng | 98     |
| 38) Dibenzo(a,h)anthracene     | 25.70 | 278 | 80084   | 0.505 | ng | 93     |
| 39) Benzo(a,h,i)perylene       | 26.37 | 276 | 286428  | 1.827 | ng | 99     |

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

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