

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN021920\  
 Data File : BN009781.D  
 Acq On : 19 Feb 2020 17:22  
 Operator : CG/JU  
 Sample : L1468-06  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 TP9-EP2-3

Manual Integrations  
 APPROVED

mohammad  
 2/20/2020 4:28:48 PM

Quant Time: Feb 20 04:29:30 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN021920.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Feb 19 15:57:43 2020  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.42  | 152  | 1062     | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.16 | 136  | 3850     | 0.40 | ng    | -0.01    |
| 13) Acenaphthene-d10      | 14.05 | 164  | 2570     | 0.40 | ng    | -0.01    |
| 19) Phenanthrene-d10      | 16.80 | 188  | 5930     | 0.40 | ng    | -0.01    |
| 27) Chrysene-d12          | 21.02 | 240  | 6713     | 0.40 | ng    | -0.02    |
| 34) Perylene-d12          | 23.13 | 264  | 6457     | 0.40 | ng    | -0.02    |

|                             |       |     |      |      |    |       |
|-----------------------------|-------|-----|------|------|----|-------|
| System Monitoring Compounds |       |     |      |      |    |       |
| 4) 2-Fluorophenol           | 5.08  | 112 | 946  | 0.40 | ng | 0.00  |
| 5) Phenol-d6                | 6.63  | 99  | 1192 | 0.41 | ng | -0.02 |
| 8) Nitrobenzene-d5          | 8.58  | 82  | 1217 | 0.38 | ng | -0.01 |
| 11) 2-Methylnaphthalene-d10 | 11.76 | 152 | 2118 | 0.28 | ng | -0.03 |
| 14) 2,4,6-Tribromophenol    | 15.56 | 330 | 427  | 0.43 | ng | -0.02 |
| 15) 2-Fluorobiphenyl        | 12.66 | 172 | 3910 | 0.40 | ng | -0.02 |
| 25) Fluoranthene-d10        | 18.84 | 212 | 6091 | 0.30 | ng | -0.02 |
| 29) Terphenyl-d14           | 19.46 | 244 | 5742 | 0.36 | ng | -0.02 |

|                                |       |     |        |        |    |      |
|--------------------------------|-------|-----|--------|--------|----|------|
| Target Compounds               |       |     |        | Qvalue |    |      |
| 9) Naphthalene                 | 10.20 | 128 | 145448 | 13.851 | ng | # 93 |
| 12) 2-Methylnaphthalene        | 11.83 | 142 | 50408  | 7.002  | ng | 98   |
| 16) Acenaphthylene             | 13.76 | 152 | 14039  | 1.281  | ng | # 97 |
| 17) Acenaphthene               | 14.10 | 154 | 59982  | 7.786  | ng | 99   |
| 18) Fluorene                   | 15.10 | 166 | 46247  | 4.549  | ng | 100  |
| 23) Phenanthrene               | 16.84 | 178 | 264130 | 14.966 | ng | 99   |
| 24) Anthracene                 | 16.93 | 178 | 69972  | 4.690  | ng | # 96 |
| 26) Fluoranthene               | 18.87 | 202 | 484152 | 22.911 | ng | 99   |
| 28) Pyrene                     | 19.24 | 202 | 400388 | 15.707 | ng | # 95 |
| 30) Benzo(a)anthracene         | 21.00 | 228 | 258502 | 11.604 | ng | 99   |
| 31) Chrysene                   | 21.06 | 228 | 213252 | 8.274  | ng | 96   |
| 32) Bis(2-ethylhexyl)phthalate | 20.96 | 149 | 1102   | 0.101  | ng | 95   |
| 33) Indeno(1,2,3-cd)pyrene     | 25.18 | 276 | 69097  | 2.574  | ng | 98   |
| 35) Benzo(b)fluoranthene       | 22.51 | 252 | 208181 | 8.819  | ng | # 86 |
| 36) Benzo(k)fluoranthene       | 22.55 | 252 | 80536m | 3.133  | ng |      |
| 37) Benzo(a)pyrene             | 23.04 | 252 | 143984 | 6.685  | ng | # 81 |
| 38) Dibenzo(a,h)anthracene     | 25.18 | 278 | 20938  | 0.987  | ng | 99   |
| 39) Benzo(a,h,i)perylene       | 25.80 | 276 | 61286  | 2.713  | ng | 96   |

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

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