

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN100319\  
 Data File : BN007993.D  
 Acq On : 03 Oct 2019 22:47  
 Operator : JU  
 Sample : K5077-16  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 PST-024-B266-092519

Manual Integrations  
 APPROVED

mohammad  
 10/7/2019 8:27:28 AM

Quant Time: Oct 04 08:44:32 2019

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

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Thu Oct 03 18:39:49 2019

Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.69  | 152  | 4999     | 0.40  | ng    | -0.02    |
| 7) Naphthalene-d8              | 10.46 | 136  | 20671    | 0.40  | ng    | -0.01    |
| 13) Acenaphthene-d10           | 14.30 | 164  | 13413    | 0.40  | ng    | -0.02    |
| 19) Phenanthrene-d10           | 17.05 | 188  | 28531    | 0.40  | ng    | -0.02    |
| 27) Chrysene-d12               | 21.25 | 240  | 32419    | 0.40  | ng    | -0.02    |
| 34) Perylene-d12               | 23.46 | 264  | 36521    | 0.40  | ng    | -0.03    |
| System Monitoring Compounds    |       |      |          |       |       |          |
| 4) 2-Fluorophenol              | 5.30  | 112  | 5394     | 0.31  | ng    | -0.02    |
| 5) Phenol-d6                   | 6.86  | 99   | 7927     | 0.37  | ng    | 0.00     |
| 8) Nitrobenzene-d5             | 8.82  | 82   | 5914     | 0.33  | ng    | -0.01    |
| 11) 2-Methylnaphthalene-d10    | 12.04 | 152  | 12084    | 0.35  | ng    | -0.02    |
| 14) 2,4,6-Tribromophenol       | 15.81 | 330  | 2650     | 0.36  | ng    | -0.01    |
| 15) 2-Fluorobiphenyl           | 12.93 | 172  | 16535    | 0.30  | ng    | -0.01    |
| 25) Fluoranthene-d10           | 19.09 | 212  | 33473    | 0.35  | ng    | -0.02    |
| 29) Terphenyl-d14              | 19.69 | 244  | 27963    | 0.35  | ng    | -0.02    |
| Target Compounds               |       |      |          |       |       | Qvalue   |
| 9) Naphthalene                 | 10.49 | 128  | 16782    | 0.289 | ng    | 97       |
| 12) 2-Methylnaphthalene        | 12.12 | 142  | 19861    | 0.507 | ng    | 99       |
| 16) Acenaphthylene             | 14.02 | 152  | 263623   | 3.706 | ng    | 99       |
| 17) Acenaphthene               | 14.37 | 154  | 10523    | 0.229 | ng    | 92       |
| 18) Fluorene                   | 15.36 | 166  | 50195    | 0.854 | ng    | # 12     |
| 22) Pentachlorophenol          | 16.71 | 266  | 235      | 0.034 | ng    | 86       |
| 23) Phenanthrene               | 17.09 | 178  | 640452   | 7.206 | ng    | 100      |
| 24) Anthracene                 | 17.19 | 178  | 165886   | 2.067 | ng    | 100      |
| 26) Fluoranthene               | 19.12 | 202  | 753632   | 6.819 | ng    | 98       |
| 28) Pyrene                     | 19.49 | 202  | 1104853  | 9.993 | ng    | 97       |
| 30) Benzo(a)anthracene         | 21.24 | 228  | 456271m  | 3.822 | ng    |          |
| 31) Chrysene                   | 21.29 | 228  | 571748   | 4.914 | ng    | 96       |
| 32) Bis(2-ethylhexyl)phthalate | 21.17 | 149  | 48682    | 0.793 | ng    | 99       |
| 33) Indeno(1,2,3-cd)pyrene     | 25.67 | 276  | 275936   | 1.894 | ng    | # 96     |
| 35) Benzo(b)fluoranthene       | 22.81 | 252  | 533713   | 4.209 | ng    | 99       |
| 36) Benzo(k)fluoranthene       | 22.84 | 252  | 148570m  | 1.185 | ng    |          |
| 37) Benzo(a)pyrene             | 23.37 | 252  | 406441   | 3.411 | ng    | 99       |
| 38) Dibenzo(a,h)anthracene     | 25.68 | 278  | 77511    | 0.636 | ng    | # 86     |
| 39) Benzo(g,h,i)perylene       | 26.35 | 276  | 313802   | 2.601 | ng    | 99       |

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

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