

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN070119\  
 Data File : BN006672.D  
 Acq On : 01 Jul 2019 23:24  
 Operator : HP/JU  
 Sample : K3505-08  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 PST-013-SW107-062019

Manual Integrations  
 APPROVED

mohammad  
 7/2/2019 2:52:43 PM

Quant Time: Jul 02 05:49:27 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN062819.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri Jun 28 13:47:56 2019

Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.62  | 152  | 4430     | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.39 | 136  | 17563    | 0.40 | ng    | -0.01    |
| 13) Acenaphthene-d10      | 14.27 | 164  | 9649     | 0.40 | ng    | -0.01    |
| 19) Phenanthrene-d10      | 17.03 | 188  | 19932    | 0.40 | ng    | -0.01    |
| 27) Chrysene-d12          | 21.25 | 240  | 18716    | 0.40 | ng    | -0.02    |
| 34) Perylene-d12          | 23.48 | 264  | 20980    | 0.40 | ng    | -0.04    |

#### System Monitoring Compounds

|                             |       |     |       |      |    |       |
|-----------------------------|-------|-----|-------|------|----|-------|
| 4) 2-Fluorophenol           | 5.24  | 112 | 3460  | 0.32 | ng | 0.00  |
| 5) Phenol-d6                | 6.82  | 99  | 4691  | 0.33 | ng | 0.00  |
| 8) Nitrobenzene-d5          | 8.79  | 82  | 3184  | 0.27 | ng | 0.00  |
| 11) 2-Methylnaphthalene-d10 | 11.99 | 152 | 7089  | 0.26 | ng | 0.00  |
| 14) 2,4,6-Tribromophenol    | 15.78 | 330 | 1409  | 0.31 | ng | -0.01 |
| 15) 2-Fluorobiphenyl        | 12.88 | 172 | 9504  | 0.27 | ng | -0.01 |
| 25) Fluoranthene-d10        | 19.07 | 212 | 12787 | 0.22 | ng | -0.01 |
| 29) Terphenyl-d14           | 19.68 | 244 | 8736  | 0.22 | ng | 0.00  |

#### Target Compounds

|                                |       |     |         |         |    | Qvalue |
|--------------------------------|-------|-----|---------|---------|----|--------|
| 9) Naphthalene                 | 10.44 | 128 | 4291    | 0.093   | ng | # 91   |
| 12) 2-Methylnaphthalene        | 12.07 | 142 | 2479    | 0.078   | ng | # 94   |
| 16) Acenaphthylene             | 13.99 | 152 | 39782   | 0.865   | ng | 100    |
| 17) Acenaphthene               | 14.33 | 154 | 3671    | 0.121   | ng | 96     |
| 18) Fluorene                   | 15.32 | 166 | 7681    | 0.201   | ng | # 83   |
| 23) Phenanthrene               | 17.07 | 178 | 141552  | 2.498   | ng | 100    |
| 24) Anthracene                 | 17.16 | 178 | 41877   | 0.852   | ng | 99     |
| 26) Fluoranthene               | 19.10 | 202 | 349568  | 5.075   | ng | 99     |
| 28) Pyrene                     | 19.47 | 202 | 348041  | 5.314   | ng | 97     |
| 30) Benzo(a)anthracene         | 21.24 | 228 | 197128  | 3.222   | ng | 95     |
| 31) Chrysene                   | 21.29 | 228 | 180305  | 2.733   | ng | 97     |
| 32) Bis(2-ethylhexyl)phthalate | 21.16 | 149 | 4120790 | 133.803 | ng | 97     |
| 33) Indeno(1,2,3-cd)pyrene     | 25.71 | 276 | 114465  | 1.714   | ng | 97     |
| 35) Benzo(b)fluoranthene       | 22.82 | 252 | 232821  | 3.262   | ng | 99     |
| 36) Benzo(k)fluoranthene       | 22.86 | 252 | 84606m  | 1.112   | ng |        |
| 37) Benzo(a)pyrene             | 23.38 | 252 | 171552  | 2.571   | ng | 99     |
| 38) Dibenzo(a,h)anthracene     | 25.71 | 278 | 31560   | 0.541   | ng | # 84   |
| 39) Benzo(a,h,i)perylene       | 26.40 | 276 | 115187  | 1.980   | ng | 99     |

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

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