

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082419\  
 Data File : BN007366.D  
 Acq On : 24 Aug 2019 16:43  
 Operator : HP/JU  
 Sample : K4440-04  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 S302-J-2.0-2.5-082019

Manual Integrations  
 APPROVED

mohammad  
 8/31/2019 2:40:09 PM

Quant Time: Aug 25 00:23:44 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN082319.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Aug 24 00:38:17 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.40  | 152  | 5748     | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.15 | 136  | 24550    | 0.40 | ng    | -0.01    |
| 13) Acenaphthene-d10      | 14.05 | 164  | 13625    | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 16.79 | 188  | 30412    | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12          | 21.02 | 240  | 29286    | 0.40 | ng    | 0.00     |
| 34) Perylene-d12          | 23.13 | 264  | 32161    | 0.40 | ng    | 0.00     |

|                             |       |     |       |      |    |      |
|-----------------------------|-------|-----|-------|------|----|------|
| System Monitoring Compounds |       |     |       |      |    |      |
| 4) 2-Fluorophenol           | 5.04  | 112 | 5233  | 0.25 | ng | 0.00 |
| 5) Phenol-d6                | 6.59  | 99  | 6847  | 0.26 | ng | 0.00 |
| 8) Nitrobenzene-d5          | 8.53  | 82  | 5213  | 0.24 | ng | 0.00 |
| 11) 2-Methylnaphthalene-d10 | 11.76 | 152 | 9967  | 0.24 | ng | 0.00 |
| 14) 2,4,6-Tribromophenol    | 15.55 | 330 | 1839  | 0.26 | ng | 0.00 |
| 15) 2-Fluorobiphenyl        | 12.66 | 172 | 12320 | 0.22 | ng | 0.00 |
| 25) Fluoranthene-d10        | 18.84 | 212 | 19369 | 0.20 | ng | 0.00 |
| 29) Terphenyl-d14           | 19.47 | 244 | 13507 | 0.18 | ng | 0.00 |

|                                |       |     |        |       |    |        |    |
|--------------------------------|-------|-----|--------|-------|----|--------|----|
| Target Compounds               |       |     |        |       |    | Qvalue |    |
| 9) Naphthalene                 | 10.20 | 128 | 2662   | 0.038 | ng | #      | 94 |
| 12) 2-Methylnaphthalene        | 11.83 | 142 | 1799   | 0.038 | ng | #      | 95 |
| 16) Acenaphthylene             | 13.76 | 152 | 2888   | 0.036 | ng | #      | 97 |
| 23) Phenanthrene               | 16.84 | 178 | 19633  | 0.215 | ng |        | 99 |
| 24) Anthracene                 | 16.93 | 178 | 4948   | 0.054 | ng | #      | 95 |
| 26) Fluoranthene               | 18.87 | 202 | 64549  | 0.550 | ng |        | 99 |
| 28) Pyrene                     | 19.24 | 202 | 57010  | 0.484 | ng | #      | 96 |
| 30) Benzo(a)anthracene         | 21.00 | 228 | 38567  | 0.335 | ng |        | 96 |
| 31) Chrysene                   | 21.06 | 228 | 33334  | 0.300 | ng |        | 97 |
| 32) Bis(2-ethylhexyl)phthalate | 20.97 | 149 | 28961  | 0.370 | ng |        | 98 |
| 33) Indeno(1,2,3-cd)pyrene     | 25.19 | 276 | 25846  | 0.193 | ng |        | 97 |
| 35) Benzo(b)fluoranthene       | 22.51 | 252 | 52427  | 0.450 | ng |        | 97 |
| 36) Benzo(k)fluoranthene       | 22.55 | 252 | 16711m | 0.145 | ng |        |    |
| 37) Benzo(a)pyrene             | 23.03 | 252 | 33838  | 0.305 | ng | #      | 96 |
| 38) Dibenzo(a,h)anthracene     | 25.20 | 278 | 6781   | 0.061 | ng | #      | 48 |
| 39) Benzo(g,h,i)perylene       | 25.81 | 276 | 25766  | 0.234 | ng |        | 97 |

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

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