

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082319\  
 Data File : BN007349.D  
 Acq On : 24 Aug 2019 04:38  
 Operator : HP/JU  
 Sample : K4440-01DL 5X  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 S302-J-1.5-2.0-082019DL

Manual Integrations  
 APPROVED

mohammad  
 8/29/2019 7:59:50 AM

Quant Time: Aug 24 07:59:15 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  | 5454     | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.16 | 136  | 22211    | 0.40 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 14.05 | 164  | 11909    | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 16.80 | 188  | 26618    | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12          | 21.02 | 240  | 26507    | 0.40 | ng    | 0.00     |
| 34) Perylene-d12          | 23.12 | 264  | 28787    | 0.40 | ng    | 0.00     |

#### System Monitoring Compounds

|                             |       |     |      |      |    |      |
|-----------------------------|-------|-----|------|------|----|------|
| 4) 2-Fluorophenol           | 5.04  | 112 | 855  | 0.02 | ng | 0.00 |
| 5) Phenol-d6                | 6.60  | 99  | 1065 | 0.02 | ng | 0.00 |
| 8) Nitrobenzene-d5          | 8.54  | 82  | 823  | 0.04 | ng | 0.01 |
| 11) 2-Methylnaphthalene-d10 | 11.76 | 152 | 1612 | 0.04 | ng | 0.00 |
| 14) 2,4,6-Tribromophenol    | 15.55 | 330 | 272  | 0.04 | ng | 0.00 |
| 15) 2-Fluorobiphenyl        | 12.66 | 172 | 1937 | 0.04 | ng | 0.00 |
| 25) Fluoranthene-d10        | 18.84 | 212 | 3413 | 0.04 | ng | 0.00 |
| 29) Terphenyl-d14           | 19.47 | 244 | 2769 | 0.04 | ng | 0.00 |

#### Target Compounds

|                                |       |     |         |       |    | Qvalue |
|--------------------------------|-------|-----|---------|-------|----|--------|
| 16) Acenaphthylene             | 13.77 | 152 | 1707    | 0.024 | ng | 94     |
| 17) Acenaphthene               | 14.11 | 154 | 3971    | 0.096 | ng | 97     |
| 18) Fluorene                   | 15.10 | 166 | 4379    | 0.084 | ng | 99     |
| 23) Phenanthrene               | 16.84 | 178 | 100100  | 1.250 | ng | 99     |
| 24) Anthracene                 | 16.93 | 178 | 32712   | 0.406 | ng | 98     |
| 26) Fluoranthene               | 18.87 | 202 | 410968  | 3.998 | ng | 99     |
| 28) Pyrene                     | 19.24 | 202 | 341373  | 3.201 | ng | # 94   |
| 30) Benzo(a)anthracene         | 21.00 | 228 | 243280  | 2.337 | ng | 99     |
| 31) Chrysene                   | 21.06 | 228 | 166120  | 1.653 | ng | 96     |
| 32) Bis(2-ethylhexyl)phthalate | 20.97 | 149 | 8030    | 0.100 | ng | 91     |
| 33) Indeno(1,2,3-cd)pyrene     | 25.19 | 276 | 106039  | 0.876 | ng | 97     |
| 35) Benzo(b)fluoranthene       | 22.51 | 252 | 249296  | 2.390 | ng | # 95   |
| 36) Benzo(k)fluoranthene       | 22.54 | 252 | 84837m  | 0.823 | ng |        |
| 37) Benzo(a)pyrene             | 23.03 | 252 | 174440m | 1.758 | ng |        |
| 38) Dibenzo(a,h)anthracene     | 25.19 | 278 | 29609   | 0.299 | ng | 93     |
| 39) Benzo(g,h,i)perylene       | 25.81 | 276 | 92231   | 0.935 | ng | 97     |

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

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