

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE062119\  
 Data File : BE100152.D  
 Acq On : 22 Jun 2019 2:49  
 Operator : JU/SJ  
 Sample : K3428-09  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 EXT-013-SW163-061319

Manual Integrations  
 APPROVED

mohammad  
 6/25/2019 3:21:45 PM

Quant Time: Jun 22 03:35:02 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE061919.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jun 19 15:07:24 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.72  | 152  | 824      | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.52 | 136  | 3178     | 0.40 | ng    | -0.01    |
| 13) Acenaphthene-d10      | 14.40 | 164  | 2730     | 0.40 | ng    | -0.01    |
| 19) Phenanthrene-d10      | 17.15 | 188  | 7809     | 0.40 | ng    | -0.01    |
| 27) Chrysene-d12          | 21.34 | 240  | 10527    | 0.40 | ng    | 0.00     |
| 34) Perylene-d12          | 23.84 | 264  | 12396    | 0.40 | ng    | 0.00     |

|                             |       |     |      |      |    |       |
|-----------------------------|-------|-----|------|------|----|-------|
| System Monitoring Compounds |       |     |      |      |    |       |
| 4) 2-Fluorophenol           | 5.29  | 112 | 646  | 0.38 | ng | 0.00  |
| 5) Phenol-d6                | 6.90  | 99  | 1001 | 0.43 | ng | -0.03 |
| 8) Nitrobenzene-d5          | 8.90  | 82  | 1068 | 0.35 | ng | -0.01 |
| 11) 2-Methylnaphthalene-d10 | 12.14 | 152 | 186  | 0.03 | ng | -0.01 |
| 14) 2,4,6-Tribromophenol    | 15.90 | 330 | 627  | 0.42 | ng | -0.01 |
| 15) 2-Fluorobiphenyl        | 13.02 | 172 | 3013 | 0.28 | ng | -0.03 |
| 25) Fluoranthene-d10        | 19.19 | 212 | 1990 | 0.02 | ng | 0.00  |
| 29) Terphenyl-d14           | 19.79 | 244 | 5951 | 0.28 | ng | -0.02 |

|                                |       |     |         |        |    |      |
|--------------------------------|-------|-----|---------|--------|----|------|
| Target Compounds               |       |     |         | Qvalue |    |      |
| 9) Naphthalene                 | 10.57 | 128 | 11540   | 0.334  | ng | 99   |
| 12) 2-Methylnaphthalene        | 12.21 | 142 | 1940    | 0.342  | ng | 96   |
| 16) Acenaphthylene             | 14.13 | 152 | 12000   | 0.926  | ng | 98   |
| 17) Acenaphthene               | 14.47 | 154 | 3209    | 0.443  | ng | 94   |
| 18) Fluorene                   | 15.45 | 166 | 8413    | 0.780  | ng | # 90 |
| 22) Pentachlorophenol          | 16.81 | 266 | 30      | 0.260  | ng | 98   |
| 23) Phenanthrene               | 17.19 | 178 | 168254  | 8.993  | ng | 99   |
| 24) Anthracene                 | 17.28 | 178 | 29044   | 1.841  | ng | # 95 |
| 26) Fluoranthene               | 19.22 | 202 | 356751  | 11.878 | ng | 98   |
| 28) Pvrene                     | 19.58 | 202 | 358805  | 13.261 | ng | # 96 |
| 30) Benzo(a)anthracene         | 21.33 | 228 | 236603  | 7.555  | ng | 98   |
| 31) Chrysene                   | 21.38 | 228 | 205700  | 5.653  | ng | 97   |
| 32) Bis(2-ethylhexyl)phthalate | 21.24 | 149 | 31046   | 1.051  | ng | # 99 |
| 33) Indeno(1,2,3-cd)pyrene     | 26.48 | 276 | 124807  | 3.048  | ng | # 98 |
| 35) Benzo(b)fluoranthene       | 23.07 | 252 | 246303  | 6.771  | ng | # 97 |
| 36) Benzo(k)fluoranthene       | 23.12 | 252 | 88749m  | 2.145  | ng |      |
| 37) Benzo(a)pvrene             | 23.73 | 252 | 178602m | 5.087  | ng |      |
| 38) Dibenzo(a,h)anthracene     | 26.50 | 278 | 32843   | 0.913  | ng | 92   |
| 39) Benzo(g,h,i)perylene       | 27.29 | 276 | 126951  | 3.394  | ng | # 95 |

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

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