

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE101819\  
 Data File : BE100654.D  
 Acq On : 18 Oct 2019 10:33  
 Operator : JU  
 Sample : K4995-16 2X  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 EXT-SW162-091819-2

Manual Integrations  
 APPROVED

mohammad  
 10/20/2019 8:05:02 PM

Quant Time: Oct 18 15:08:38 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE101019.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Oct 10 14:01:52 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.85  | 152  | 7580     | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.64 | 136  | 32095    | 0.40 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 14.47 | 164  | 19594    | 0.40 | ng    | -0.02    |
| 19) Phenanthrene-d10      | 17.20 | 188  | 40788    | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12          | 21.37 | 240  | 45502    | 0.40 | ng    | 0.00     |
| 34) Perylene-d12          | 23.85 | 264  | 49447    | 0.40 | ng    | 0.00     |

|                             |       |     |       |      |    |       |
|-----------------------------|-------|-----|-------|------|----|-------|
| System Monitoring Compounds |       |     |       |      |    |       |
| 4) 2-Fluorophenol           | 5.46  | 112 | 2681  | 0.11 | ng | 0.01  |
| 5) Phenol-d6                | 7.02  | 99  | 3805  | 0.12 | ng | 0.01  |
| 8) Nitrobenzene-d5          | 8.99  | 82  | 2828  | 0.14 | ng | 0.00  |
| 11) 2-Methylnaphthalene-d10 | 12.22 | 152 | 5514  | 0.11 | ng | 0.00  |
| 14) 2,4,6-Tribromophenol    | 15.94 | 330 | 722   | 0.14 | ng | -0.01 |
| 15) 2-Fluorobiphenyl        | 13.10 | 172 | 7708  | 0.11 | ng | -0.02 |
| 25) Fluoranthene-d10        | 19.23 | 212 | 54076 | 0.10 | ng | 0.00  |
| 29) Terphenyl-d14           | 19.82 | 244 | 12436 | 0.13 | ng | 0.00  |

|                                |       |     |         |        |    |      |
|--------------------------------|-------|-----|---------|--------|----|------|
| Target Compounds               |       |     |         | Qvalue |    |      |
| 9) Naphthalene                 | 10.68 | 128 | 75252   | 0.223  | ng | 99   |
| 12) 2-Methylnaphthalene        | 12.30 | 142 | 8913    | 0.155  | ng | 95   |
| 16) Acenaphthylene             | 14.20 | 152 | 88853   | 1.054  | ng | 99   |
| 17) Acenaphthene               | 14.54 | 154 | 9312    | 0.171  | ng | 91   |
| 18) Fluorene                   | 15.50 | 166 | 24065   | 0.333  | ng | # 86 |
| 22) Pentachlorophenol          | 16.85 | 266 | 235     | 0.037  | ng | # 82 |
| 23) Phenanthrene               | 17.24 | 178 | 494108  | 4.404  | ng | 99   |
| 24) Anthracene                 | 17.34 | 178 | 171395  | 1.646  | ng | 98   |
| 26) Fluoranthene               | 19.25 | 202 | 1182635 | 8.077  | ng | 99   |
| 28) Pvrene                     | 19.62 | 202 | 1104449 | 8.688  | ng | # 94 |
| 30) Benzo(a)anthracene         | 21.35 | 228 | 905723  | 6.102  | ng | 94   |
| 31) Chrysene                   | 21.40 | 228 | 699481m | 4.716  | ng |      |
| 32) Bis(2-ethylhexyl)phthalate | 21.29 | 149 | 27317   | 0.088  | ng | # 99 |
| 33) Indeno(1,2,3-cd)pyrene     | 26.47 | 276 | 353136  | 1.937  | ng | 97   |
| 35) Benzo(b)fluoranthene       | 23.10 | 252 | 856192  | 5.938  | ng | 98   |
| 36) Benzo(k)fluoranthene       | 23.14 | 252 | 325169m | 2.193  | ng |      |
| 37) Benzo(a)pvrene             | 23.74 | 252 | 625612  | 4.661  | ng | 99   |
| 38) Dibenzo(a,h)anthracene     | 26.49 | 278 | 117278  | 0.845  | ng | # 94 |
| 39) Benzo(g,h,i)perylene       | 27.27 | 276 | 305466  | 2.189  | ng | 99   |

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

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