

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE012220\  
 Data File : BE101125.D  
 Acq On : 22 Jan 2020 21:36  
 Operator : CG/JU  
 Sample : L1148-11  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SB-32-(3-5)

Manual Integrations  
 APPROVED

mohammad  
 1/23/2020 1:53:59 PM

Quant Time: Jan 23 10:20:08 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE010820.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jan 08 18:36:25 2020  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.72  | 152  | 2957     | 0.40 | ng    | -0.01    |
| 7) Naphthalene-d8         | 10.50 | 136  | 14719    | 0.40 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 14.36 | 164  | 11516    | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 17.11 | 188  | 18641    | 0.40 | ng    | 0.01     |
| 27) Chrysene-d12          | 21.32 | 240  | 26663    | 0.40 | ng    | 0.04     |
| 34) Perylene-d12          | 23.75 | 264  | 29305    | 0.40 | ng    | 0.05     |

|                             |       |     |        |      |    |       |
|-----------------------------|-------|-----|--------|------|----|-------|
| System Monitoring Compounds |       |     |        |      |    |       |
| 4) 2-Fluorophenol           | 5.34  | 112 | 2673   | 0.40 | ng | 0.00  |
| 5) Phenol-d6                | 6.92  | 99  | 3298   | 0.39 | ng | 0.00  |
| 8) Nitrobenzene-d5          | 8.86  | 82  | 3913   | 0.37 | ng | -0.01 |
| 11) 2-Methylnaphthalene-d10 | 12.09 | 152 | 5367   | 0.19 | ng | -0.01 |
| 14) 2,4,6-Tribromophenol    | 15.85 | 330 | 1106   | 0.34 | ng | 0.00  |
| 15) 2-Fluorobiphenyl        | 12.99 | 172 | 9029   | 0.21 | ng | -0.01 |
| 25) Fluoranthene-d10        | 19.15 | 212 | 99385m | 0.38 | ng | 0.02  |
| 29) Terphenyl-d14           | 19.75 | 244 | 13404  | 0.20 | ng | 0.01  |

|                                |       |     |          |        |        |      |
|--------------------------------|-------|-----|----------|--------|--------|------|
| Target Compounds               |       |     |          |        | Qvalue |      |
| 9) Naphthalene                 | 10.55 | 128 | 4730903  | 28.947 | ng     | 100  |
| 12) 2-Methylnaphthalene        | 12.17 | 142 | 368217   | 14.894 | ng     | # 49 |
| 16) Acenaphthylene             | 14.08 | 152 | 1372453  | 29.261 | ng     | 100  |
| 17) Acenaphthene               | 14.43 | 154 | 150364   | 4.479  | ng     | 96   |
| 18) Fluorene                   | 15.39 | 166 | 706317   | 16.645 | ng     | 98   |
| 22) Pentachlorophenol          | 16.77 | 266 | 4132     | 1.434  | ng     | # 89 |
| 23) Phenanthrene               | 17.15 | 178 | 3819079  | 75.027 | ng     | 96   |
| 24) Anthracene                 | 17.24 | 178 | 723647m  | 15.066 | ng     |      |
| 26) Fluoranthene               | 19.21 | 202 | 4834392  | 75.837 | ng     | 96   |
| 28) Pylene                     | 19.57 | 202 | 6119091  | 61.652 | ng     | # 90 |
| 30) Benzo(a)anthracene         | 21.29 | 228 | 3617995  | 47.554 | ng     | # 92 |
| 31) Chrysene                   | 21.34 | 228 | 3333328m | 29.478 | ng     |      |
| 32) Bis(2-ethylhexyl)phthalate | 21.21 | 149 | 49363    | 0.389  | ng     | # 95 |
| 33) Indeno(1,2,3-cd)pyrene     | 26.36 | 276 | 2908157  | 32.551 | ng     | 98   |
| 35) Benzo(b)fluoranthene       | 23.02 | 252 | 4282311  | 52.104 | ng     | # 97 |
| 36) Benzo(k)fluoranthene       | 23.06 | 252 | 1352353m | 11.355 | ng     |      |
| 37) Benzo(a)pyrene             | 23.66 | 252 | 3274968  | 41.192 | ng     | 99   |
| 38) Dibenzo(a,h)anthracene     | 26.37 | 278 | 631398   | 8.635  | ng     | 98   |
| 39) Benzo(g,h,i)perylene       | 27.17 | 276 | 3410393  | 37.926 | ng     | 99   |

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

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