

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE062019\  
 Data File : BE100107.D  
 Acq On : 20 Jun 2019 14:14  
 Operator : JU/SJ  
 Sample : PB120562BS  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 PB120562BS

Manual Integrations  
 APPROVED

mohammad  
 6/21/2019 8:16:32 AM

Quant Time: Jun 21 02:02:44 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 | 7.74  | 152  | 400      | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.55 | 136  | 1468     | 0.40 | ng    | 0.01     |
| 13) Acenaphthene-d10      | 14.41 | 164  | 1294     | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 17.16 | 188  | 4325     | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12          | 21.34 | 240  | 7413     | 0.40 | ng    | 0.00     |
| 34) Perylene-d12          | 23.84 | 264  | 8377     | 0.40 | ng    | 0.00     |

#### System Monitoring Compounds

|                             |       |     |       |      |    |       |
|-----------------------------|-------|-----|-------|------|----|-------|
| 4) 2-Fluorophenol           | 5.29  | 112 | 375   | 0.45 | ng | -0.01 |
| 5) Phenol-d6                | 6.95  | 99  | 400   | 0.35 | ng | 0.02  |
| 8) Nitrobenzene-d5          | 8.93  | 82  | 461   | 0.32 | ng | 0.01  |
| 11) 2-Methylnaphthalene-d10 | 12.17 | 152 | 1154  | 0.41 | ng | 0.01  |
| 14) 2,4,6-Tribromophenol    | 15.92 | 330 | 300   | 0.42 | ng | 0.00  |
| 15) 2-Fluorobiphenyl        | 13.04 | 172 | 2073  | 0.41 | ng | 0.00  |
| 25) Fluoranthene-d10        | 19.20 | 212 | 25595 | 0.41 | ng | 0.00  |
| 29) Terphenyl-d14           | 19.80 | 244 | 5026  | 0.34 | ng | 0.00  |

#### Target Compounds

|                                |       |     |       |       |    | Qvalue |
|--------------------------------|-------|-----|-------|-------|----|--------|
| 2) 1,4-Dioxane                 | 3.19  | 88  | 271   | 0.422 | ng | 93     |
| 3) n-Nitrosodimethylamine      | 3.59  | 42  | 79    | 0.529 | ng | # 100  |
| 6) bis(2-Chloroethyl)ether     | 7.21  | 93  | 426m  | 0.396 | ng |        |
| 9) Naphthalene                 | 10.59 | 128 | 6808  | 0.427 | ng | 98     |
| 10) Hexachlorobutadiene        | 10.85 | 225 | 608   | 0.388 | ng | 96     |
| 12) 2-Methylnaphthalene        | 12.24 | 142 | 1136  | 0.433 | ng | 97     |
| 16) Acenaphthylene             | 14.14 | 152 | 2633  | 0.429 | ng | 99     |
| 17) Acenaphthene               | 14.47 | 154 | 1427  | 0.415 | ng | 96     |
| 18) Fluorene                   | 15.46 | 166 | 2313  | 0.452 | ng | 100    |
| 20) 4-Bromophenyl-phenylether  | 16.36 | 248 | 1063  | 0.413 | ng | 98     |
| 21) Hexachlorobenzene          | 16.45 | 284 | 1075  | 0.379 | ng | 99     |
| 22) Pentachlorophenol          | 16.85 | 266 | 451   | 0.732 | ng | 90     |
| 23) Phenanthrene               | 17.20 | 178 | 4310  | 0.416 | ng | 99     |
| 24) Anthracene                 | 17.30 | 178 | 3413  | 0.391 | ng | 98     |
| 26) Fluoranthene               | 19.23 | 202 | 7277  | 0.437 | ng | 100    |
| 28) Pyrene                     | 19.59 | 202 | 7441  | 0.391 | ng | 100    |
| 30) Benzo(a)anthracene         | 21.33 | 228 | 8101  | 0.367 | ng | 98     |
| 31) Chrysene                   | 21.38 | 228 | 10124 | 0.395 | ng | 99     |
| 32) Bis(2-ethylhexyl)phthalate | 21.25 | 149 | 9914  | 0.476 | ng | 100    |
| 33) Indeno(1,2,3-cd)pyrene     | 26.47 | 276 | 12490 | 0.433 | ng | # 96   |
| 35) Benzo(b)fluoranthene       | 23.07 | 252 | 9656m | 0.393 | ng |        |
| 36) Benzo(k)fluoranthene       | 23.12 | 252 | 10751 | 0.384 | ng | 99     |
| 37) Benzo(a)pyrene             | 23.72 | 252 | 9618  | 0.405 | ng | # 94   |
| 38) Dibenzo(a,h)anthracene     | 26.50 | 278 | 9871  | 0.406 | ng | 99     |
| 39) Benzo(g,h,i)perylene       | 27.28 | 276 | 10516 | 0.416 | ng | 99     |

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

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