

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE060619\  
 Data File : BE099817.D  
 Acq On : 6 Jun 2019 11:07  
 Operator : JU/SJ  
 Sample : PB120350BS  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 PB120350BS

Manual Integrations  
 APPROVED

mohammad  
 6/7/2019 2:10:27 PM

Quant Time: Jun 07 04:12:57 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE060519.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed Jun 05 14:35:58 2019

Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.82  | 152  | 1052     | 0.40 | ng    | 0.01     |
| 7) Naphthalene-d8         | 10.63 | 136  | 3362     | 0.40 | ng    | 0.01     |
| 13) Acenaphthene-d10      | 14.49 | 164  | 2148     | 0.40 | ng    | 0.01     |
| 19) Phenanthrene-d10      | 17.23 | 188  | 7231     | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12          | 21.41 | 240  | 14259    | 0.40 | ng    | 0.00     |
| 34) Perylene-d12          | 23.95 | 264  | 15862    | 0.40 | ng    | 0.01     |

#### System Monitoring Compounds

|                             |       |     |       |      |    |      |
|-----------------------------|-------|-----|-------|------|----|------|
| 4) 2-Fluorophenol           | 5.38  | 112 | 800   | 0.31 | ng | 0.02 |
| 5) Phenol-d6                | 6.99  | 99  | 954   | 0.29 | ng | 0.02 |
| 8) Nitrobenzene-d5          | 8.99  | 82  | 924   | 0.31 | ng | 0.02 |
| 11) 2-Methylnaphthalene-d10 | 12.22 | 152 | 2297  | 0.40 | ng | 0.01 |
| 14) 2,4,6-Tribromophenol    | 16.00 | 330 | 333   | 0.34 | ng | 0.02 |
| 15) 2-Fluorobiphenyl        | 13.12 | 172 | 2765  | 0.35 | ng | 0.01 |
| 25) Fluoranthene-d10        | 19.26 | 212 | 38885 | 0.36 | ng | 0.00 |
| 29) Terphenyl-d14           | 19.87 | 244 | 8644  | 0.37 | ng | 0.01 |

#### Target Compounds

|                                |       |     |       |       |    | Qvalue |
|--------------------------------|-------|-----|-------|-------|----|--------|
| 2) 1,4-Dioxane                 | 3.29  | 88  | 590   | 0.387 | ng | # 68   |
| 3) n-Nitrosodimethylamine      | 3.62  | 42  | 270   | 0.334 | ng | # 78   |
| 6) bis(2-Chloroethyl)ether     | 7.24  | 93  | 994   | 0.344 | ng | 87     |
| 9) Naphthalene                 | 10.68 | 128 | 12612 | 0.351 | ng | 99     |
| 10) Hexachlorobutadiene        | 10.95 | 225 | 950   | 0.347 | ng | 99     |
| 12) 2-Methylnaphthalene        | 12.31 | 142 | 1896  | 0.331 | ng | 92     |
| 16) Acenaphthylene             | 14.21 | 152 | 3548  | 0.342 | ng | 98     |
| 17) Acenaphthene               | 14.56 | 154 | 1975  | 0.348 | ng | 98     |
| 18) Fluorene                   | 15.53 | 166 | 2798  | 0.335 | ng | 99     |
| 20) 4-Bromophenyl-phenylether  | 16.43 | 248 | 1336  | 0.331 | ng | 92     |
| 21) Hexachlorobenzene          | 16.53 | 284 | 1464m | 0.331 | ng |        |
| 22) Pentachlorophenol          | 16.99 | 266 | 162   | 0.391 | ng | 88     |
| 23) Phenanthrene               | 17.27 | 178 | 5876  | 0.341 | ng | 98     |
| 24) Anthracene                 | 17.36 | 178 | 6185m | 0.397 | ng |        |
| 26) Fluoranthene               | 19.29 | 202 | 11561 | 0.382 | ng | 100    |
| 28) Pyrene                     | 19.65 | 202 | 12174 | 0.353 | ng | 100    |
| 30) Benzo(a)anthracene         | 21.40 | 228 | 14891 | 0.378 | ng | 99     |
| 31) Chrysene                   | 21.45 | 228 | 17137 | 0.394 | ng | 98     |
| 32) Bis(2-ethylhexyl)phthalate | 21.30 | 149 | 13315 | 0.294 | ng | 99     |
| 33) Indeno(1,2,3-cd)pyrene     | 26.65 | 276 | 18180 | 0.349 | ng | # 93   |
| 35) Benzo(b)fluoranthene       | 23.17 | 252 | 14967 | 0.341 | ng | # 97   |
| 36) Benzo(k)fluoranthene       | 23.22 | 252 | 17925 | 0.385 | ng | 100    |
| 37) Benzo(a)pyrene             | 23.84 | 252 | 15756 | 0.370 | ng | # 95   |
| 38) Dibenzo(a,h)anthracene     | 26.68 | 278 | 14697 | 0.339 | ng | 98     |
| 39) Benzo(g,h,i)perylene       | 27.47 | 276 | 16499 | 0.363 | ng | 98     |

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

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