

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE011619\  
 Data File : BE098638.D  
 Acq On : 16 Jan 2019 19:01  
 Operator : SJ/JU  
 Sample : PB116433BS  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 PB116433BS

Quant Time: Jan 17 00:16:10 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE011519.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jan 15 14:30:55 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.81  | 152  | 1060     | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.60 | 136  | 4134     | 0.40 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 14.47 | 164  | 2290     | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 17.23 | 188  | 5116     | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12          | 21.42 | 240  | 6410     | 0.40 | ng    | 0.00     |
| 34) Perylene-d12          | 23.92 | 264  | 6968     | 0.40 | ng    | 0.00     |

|                             |       |     |       |      |    |      |
|-----------------------------|-------|-----|-------|------|----|------|
| System Monitoring Compounds |       |     |       |      |    |      |
| 4) 2-Fluorophenol           | 5.41  | 112 | 688   | 0.24 | ng | 0.01 |
| 5) Phenol-d6                | 7.00  | 99  | 956   | 0.24 | ng | 0.00 |
| 8) Nitrobenzene-d5          | 8.98  | 82  | 984   | 0.30 | ng | 0.01 |
| 11) 2-Methylnaphthalene-d10 | 12.21 | 152 | 1872  | 0.28 | ng | 0.00 |
| 14) 2,4,6-Tribromophenol    | 15.98 | 330 | 251   | 0.25 | ng | 0.01 |
| 15) 2-Fluorobiphenyl        | 13.10 | 172 | 2348  | 0.25 | ng | 0.01 |
| 25) Fluoranthene-d10        | 19.26 | 212 | 16355 | 0.26 | ng | 0.00 |
| 29) Terphenyl-d14           | 19.86 | 244 | 3521  | 0.25 | ng | 0.00 |

|                                |       |     |       |        |    |      |
|--------------------------------|-------|-----|-------|--------|----|------|
| Target Compounds               |       |     |       | Qvalue |    |      |
| 2) 1,4-Dioxane                 | 3.33  | 88  | 384   | 0.163  | ng | # 13 |
| 3) n-Nitrosodimethylamine      | 3.65  | 42  | 507   | 0.353  | ng | # 90 |
| 6) bis(2-Chloroethyl)ether     | 7.24  | 93  | 766   | 0.252  | ng | 77   |
| 9) Naphthalene                 | 10.65 | 128 | 11182 | 0.272  | ng | 99   |
| 10) Hexachlorobutadiene        | 10.94 | 225 | 780   | 0.265  | ng | 99   |
| 12) 2-Methylnaphthalene        | 12.28 | 142 | 1743  | 0.255  | ng | 90   |
| 16) Acenaphthylene             | 14.20 | 152 | 2600  | 0.262  | ng | 100  |
| 17) Acenaphthene               | 14.54 | 154 | 1623  | 0.261  | ng | 99   |
| 18) Fluorene                   | 15.53 | 166 | 2132  | 0.263  | ng | 99   |
| 20) 4-Bromophenyl-phenylether  | 16.42 | 248 | 605   | 0.223  | ng | # 84 |
| 21) Hexachlorobenzene          | 16.53 | 284 | 779   | 0.238  | ng | 96   |
| 22) Pentachlorophenol          | 16.89 | 266 | 385   | 0.488  | ng | 93   |
| 23) Phenanthrene               | 17.27 | 178 | 3084  | 0.254  | ng | 100  |
| 24) Anthracene                 | 17.36 | 178 | 2509  | 0.242  | ng | 97   |
| 26) Fluoranthene               | 19.29 | 202 | 4031  | 0.258  | ng | 98   |
| 28) Pyrene                     | 19.65 | 202 | 4104  | 0.233  | ng | 99   |
| 30) Benzo(a)anthracene         | 21.39 | 228 | 4590  | 0.266  | ng | 96   |
| 31) Chrysene                   | 21.45 | 228 | 4719  | 0.264  | ng | 98   |
| 32) Bis(2-ethylhexyl)phthalate | 21.32 | 149 | 7011  | 0.192  | ng | # 99 |
| 33) Indeno(1,2,3-cd)pyrene     | 26.58 | 276 | 5846  | 0.317  | ng | # 73 |
| 35) Benzo(b)fluoranthene       | 23.15 | 252 | 5008  | 0.263  | ng | 95   |
| 36) Benzo(k)fluoranthene       | 23.21 | 252 | 5518  | 0.266  | ng | 96   |
| 37) Benzo(a)pyrene             | 23.81 | 252 | 5080  | 0.272  | ng | 98   |
| 38) Dibenzo(a,h)anthracene     | 26.60 | 278 | 4678  | 0.283  | ng | 96   |
| 39) Benzo(g,h,i)perylene       | 27.38 | 276 | 5212  | 0.288  | ng | 99   |

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

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