

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE121818\  
 Data File : BE098512.D  
 Acq On : 18 Dec 2018 12:40  
 Operator : SJ/JU  
 Sample : J6405-07MSD  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 RE105D1-20181210MSD

Quant Time: Dec 19 02:55:12 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE121018.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Dec 10 14:59:55 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.85  | 152  | 721      | 0.40 | ng    | -0.01    |
| 7) Naphthalene-d8         | 10.65 | 136  | 3785     | 0.40 | ng    | -0.01    |
| 13) Acenaphthene-d10      | 14.51 | 164  | 2684     | 0.40 | ng    | -0.01    |
| 19) Phenanthrene-d10      | 17.27 | 188  | 6401     | 0.40 | ng    | -0.01    |
| 27) Chrysene-d12          | 21.45 | 240  | 7003     | 0.40 | ng    | -0.01    |
| 34) Perylene-d12          | 23.99 | 264  | 6861     | 0.40 | ng    | -0.02    |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|-------|------|----------|------|-------|----------|
| 4) 2-Fluorophenol           | 5.44  | 112  | 408      | 0.24 | ng    | 0.00     |
| 5) Phenol-d6                | 7.04  | 99   | 300      | 0.13 | ng    | 0.00     |
| 8) Nitrobenzene-d5          | 9.03  | 82   | 1090     | 0.32 | ng    | 0.01     |
| 11) 2-Methylnaphthalene-d10 | 12.25 | 152  | 2906     | 0.47 | ng    | -0.01    |
| 14) 2,4,6-Tribromophenol    | 16.01 | 330  | 359      | 0.36 | ng    | -0.01    |
| 15) 2-Fluorobiphenyl        | 13.13 | 172  | 5041     | 0.45 | ng    | -0.01    |
| 25) Fluoranthene-d10        | 19.30 | 212  | 36500    | 0.44 | ng    | -0.01    |
| 29) Terphenyl-d14           | 19.89 | 244  | 7795     | 0.46 | ng    | -0.01    |

| Target Compounds               | R.T.  | QIon | Response | Conc  | Units | Qvalue |
|--------------------------------|-------|------|----------|-------|-------|--------|
| 2) 1,4-Dioxane                 | 3.36  | 88   | 6075     | 4.872 | ng    | 99     |
| 9) Naphthalene                 | 10.71 | 128  | 393      | 0.010 | ng    | # 62   |
| 10) Hexachlorobutadiene        | 10.98 | 225  | 15       | 0.006 | ng    | 89     |
| 12) 2-Methylnaphthalene        | 12.33 | 142  | 80       | 0.013 | ng    | # 69   |
| 16) Acenaphthylene             | 14.24 | 152  | 61       | 0.005 | ng    | # 72   |
| 17) Acenaphthene               | 14.57 | 154  | 26       | 0.003 | ng    | # 72   |
| 18) Fluorene                   | 15.57 | 166  | 77       | 0.008 | ng    | # 94   |
| 20) 4-Bromophenyl-phenylether  | 16.45 | 248  | 17       | 0.005 | ng    | # 78   |
| 21) Hexachlorobenzene          | 16.58 | 284  | 28       | 0.008 | ng    | # 42   |
| 23) Phenanthrene               | 17.30 | 178  | 152      | 0.010 | ng    | # 60   |
| 24) Anthracene                 | 17.41 | 178  | 73       | 0.005 | ng    | # 75   |
| 26) Fluoranthene               | 19.33 | 202  | 148      | 0.007 | ng    | # 91   |
| 28) Pyrene                     | 19.69 | 202  | 130      | 0.006 | ng    | # 88   |
| 30) Benzo(a)anthracene         | 21.44 | 228  | 192      | 0.010 | ng    | # 44   |
| 31) Chrysene                   | 21.49 | 228  | 225      | 0.011 | ng    | # 55   |
| 32) Bis(2-ethylhexyl)phthalate | 21.35 | 149  | 3634     | 0.090 | ng    | # 98   |
| 33) Indeno(1,2,3-cd)pyrene     | 26.68 | 276  | 11       | 0.001 | ng    | # 1    |
| 36) Benzo(k)fluoranthene       | 23.26 | 252  | 143      | 0.007 | ng    | # 1    |
| 37) Benzo(a)pyrene             | 23.89 | 252  | 311      | 0.016 | ng    | # 1    |
| 38) Dibenzo(a,h)anthracene     | 26.68 | 278  | 22       | 0.001 | ng    | # 1    |
| 39) Benzo(g,h,i)perylene       | 27.49 | 276  | 9        | 0.000 | ng    | # 1    |

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

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