

Data Path : Z:\HPCHEM1\BNA E\DATA\BE061416\  
 Data File : BE091915.D  
 Acq On : 14 Jun 2016 17:02  
 Operator : UM/SJ  
 Sample : SSTDICC0.2  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDICC0.2

Manual Integrations  
 APPROVED

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Quant Time: Jun 15 12:11:44 2016  
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE061416.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jun 14 14:51:32 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.22  | 152  | 23914    | 5.00 | ng    | 0.02     |
| 8) Naphthalene-d8         | 11.02 | 136  | 106196   | 5.00 | ng    | 0.02     |
| 15) Acenaphthene-d10      | 14.86 | 164  | 74554    | 5.00 | ng    | 0.00     |
| 24) Phenanthrene-d10      | 17.61 | 188  | 173049   | 5.00 | ng    | 0.00     |
| 31) Chrysene-d12          | 21.76 | 240  | 267623   | 5.00 | ng    | 0.00     |
| 40) Perylene-d12          | 24.17 | 264  | 203753   | 5.00 | ng    | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|-------|------|----------|------|-------|----------|
| 4) 2-Fluorophenol           | 5.74  | 112  | 749      | 0.15 | ng    | 0.02     |
| 5) Phenol-d6                | 7.37  | 99   | 879      | 0.14 | ng    | 0.02     |
| 9) Nitrobenzene-d5          | 9.39  | 82   | 1117     | 0.16 | ng    | 0.02     |
| 16) 2,4,6-Tribromophenol    | 16.36 | 330  | 220      | 0.10 | ng    | 0.02     |
| 17) 2-Fluorobiphenyl        | 13.50 | 172  | 3511     | 0.16 | ng    | 0.01     |
| 34) Terphenyl-d14           | 20.22 | 244  | 5727     | 0.12 | ng    | 0.00     |

| Target Compounds               | R.T.  | QIon | Response | Conc | Units | Qvalue |
|--------------------------------|-------|------|----------|------|-------|--------|
| 2) 1,4-Dioxane                 | 3.47  | 88   | 695      | 0.19 | ng    | 93     |
| 3) n-Nitrosodimethylamine      | 3.84  | 42   | 611      | 0.15 | ng    | # 82   |
| 6) bis(2-Chloroethyl)ether     | 7.63  | 93   | 1110     | 0.16 | ng    | 100    |
| 7) n-Nitroso-di-n-propylamine  | 9.02  | 70   | 860      | 0.16 | ng    | # 95   |
| 10) Nitrobenzene               | 9.42  | 77   | 1077     | 0.17 | ng    | # 100  |
| 11) bis(2-Chloroethoxy)methane | 10.47 | 93   | 1743m    | 0.16 | ng    |        |
| 12) Naphthalene                | 11.07 | 128  | 4354     | 0.19 | ng    | 96     |
| 13) Hexachlorobutadiene        | 11.34 | 225  | 669      | 0.20 | ng    | 98     |
| 14) 2-Methylnaphthalene        | 12.70 | 142  | 2777     | 0.19 | ng    | 96     |
| 18) Acenaphthylene             | 14.59 | 152  | 13814    | 0.41 | ng    | # 74   |
| 19) 2,6-Dinitrotoluene         | 14.47 | 165  | 1375     | 0.38 | ng    | # 10   |
| 20) Acenaphthene               | 14.92 | 154  | 3933     | 0.19 | ng    | # 1    |
| 21) 2,4-Dinitrotoluene         | 15.25 | 165  | 1867m    | 0.44 | ng    |        |
| 22) Fluorene                   | 15.91 | 166  | 3775     | 0.15 | ng    | 99     |
| 23) 4-Chlorophenyl-phenylether | 15.91 | 204  | 1896     | 0.15 | ng    | 97     |
| 25) 4-Bromophenyl-phenylether  | 16.80 | 248  | 1129     | 0.18 | ng    | 95     |
| 26) Hexachlorobenzene          | 16.92 | 284  | 1215     | 0.19 | ng    | 97     |
| 27) Pentachlorophenol          | 17.26 | 266  | 191      | 0.08 | ng    | # 86   |
| 28) Phenanthrene               | 17.64 | 178  | 7901     | 0.20 | ng    | 99     |
| 29) Anthracene                 | 17.73 | 178  | 6287     | 0.18 | ng    | 100    |
| 30) Fluoranthene               | 19.65 | 202  | 31378    | 0.73 | ng    | # 87   |
| 32) Benzidine                  | 19.86 | 184  | 1037     | 0.06 | ng    | # 72   |
| 33) Pyrene                     | 20.02 | 202  | 31967    | 0.47 | ng    | # 80   |
| 36) 3,3'-Dichlorobenzidine     | 21.70 | 252  | 1270     | 0.07 | ng    | # 91   |
| 37) Chrysene                   | 21.78 | 228  | 11888m   | 0.04 | ng    |        |
| 38) Bis(2-ethylhexyl)phthalate | 21.67 | 149  | 4842     | 0.13 | ng    | # 100  |
| 39) Indeno(1,2,3-cd)pyrene     | 26.68 | 276  | 35878    | 0.44 | ng    | 98     |
| 41) Benzo(b)fluoranthene       | 23.43 | 252  | 8844     | 0.18 | ng    | 97     |
| 42) Benzo(k)fluoranthene       | 23.48 | 252  | 8241     | 0.16 | ng    | 98     |
| 43) Benzo(a)pyrene             | 24.06 | 252  | 7431     | 0.16 | ng    | 96     |
| 44) Dibenzo(a,h)anthracene     | 26.72 | 278  | 7390     | 0.17 | ng    | 97     |
| 45) Benzo(a,h,i)perylene       | 27.47 | 276  | 31740    | 0.70 | ng    | 98     |

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

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