

Data Path : Z:\HPCHEM1\BNA\_E\DATA\BE072716\  
 Data File : BE092062.D  
 Acq On : 27 Jul 2016 18:39  
 Operator : UM/SJ  
 Sample : SSTDCCC0.4  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 SSTDCCC0.4EC

Manual Integrations  
 APPROVED

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 7/28/2016 5:01:15 PM

Quant Time: Jul 28 05:58:53 2016  
 Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\8270-SIM-BE072716.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jul 27 17:13:26 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.18  | 152  | 9940     | 5.00 | ng    | -0.02    |
| 8) Naphthalene-d8         | 10.99 | 136  | 44212    | 5.00 | ng    | 0.00     |
| 15) Acenaphthene-d10      | 14.86 | 164  | 21037    | 5.00 | ng    | 0.00     |
| 24) Phenanthrene-d10      | 17.58 | 188  | 63949    | 5.00 | ng    | 0.00     |
| 31) Chrysene-d12          | 21.76 | 240  | 64991    | 5.00 | ng    | 0.00     |
| 40) Perylene-d12          | 24.15 | 264  | 66016    | 5.00 | ng    | 0.00     |

|                             |       |     |      |      |    |       |
|-----------------------------|-------|-----|------|------|----|-------|
| System Monitoring Compounds |       |     |      |      |    |       |
| 4) 2-Fluorophenol           | 5.70  | 112 | 811  | 0.37 | ng | -0.02 |
| 5) Phenol-d6                | 7.35  | 99  | 1013 | 0.34 | ng | 0.00  |
| 9) Nitrobenzene-d5          | 9.37  | 82  | 1150 | 0.35 | ng | 0.00  |
| 16) 2,4,6-Tribromophenol    | 16.35 | 330 | 250  | 0.43 | ng | 0.00  |
| 17) 2-Fluorobiphenyl        | 13.47 | 172 | 3181 | 0.38 | ng | 0.00  |
| 34) Terphenyl-d14           | 20.20 | 244 | 3921 | 0.32 | ng | 0.00  |

|                                |       |     |        |        |    |       |
|--------------------------------|-------|-----|--------|--------|----|-------|
| Target Compounds               |       |     |        | Qvalue |    |       |
| 2) 1,4-Dioxane                 | 3.46  | 88  | 570    | 0.42   | ng | 99    |
| 3) n-Nitrosodimethylamine      | 3.82  | 42  | 636    | 0.39   | ng | # 94  |
| 6) bis(2-Chloroethyl)ether     | 7.61  | 93  | 1069   | 0.37   | ng | 94    |
| 7) n-Nitroso-di-n-propylamine  | 9.00  | 70  | 871    | 0.37   | ng | 99    |
| 10) Nitrobenzene               | 9.40  | 77  | 1191   | 0.37   | ng | 99    |
| 11) bis(2-Chloroethoxy)methane | 10.42 | 93  | 1340   | 0.36   | ng | 97    |
| 12) Naphthalene                | 11.04 | 128 | 3909   | 0.40   | ng | 99    |
| 13) Hexachlorobutadiene        | 11.32 | 225 | 603    | 0.42   | ng | # 99  |
| 14) 2-Methylnaphthalene        | 12.66 | 142 | 2477   | 0.40   | ng | 90    |
| 18) Acenaphthylene             | 14.56 | 152 | 20122  | 0.37   | ng | 99    |
| 19) 2,6-Dinitrotoluene         | 14.44 | 165 | 1896   | 0.42   | ng | # 100 |
| 20) Acenaphthene               | 14.92 | 154 | 2212   | 0.38   | ng | # 1   |
| 21) 2,4-Dinitrotoluene         | 15.22 | 165 | 1811m  | 0.36   | ng |       |
| 22) Fluorene                   | 15.90 | 166 | 3394   | 0.38   | ng | 99    |
| 23) 4-Chlorophenyl-phenylether | 15.90 | 204 | 1689   | 0.38   | ng | 88    |
| 25) 4-Bromophenyl-phenylether  | 16.78 | 248 | 1058   | 0.40   | ng | 98    |
| 26) Hexachlorobenzene          | 16.90 | 284 | 1093   | 0.40   | ng | 99    |
| 27) Pentachlorophenol          | 17.25 | 266 | 184    | 0.50   | ng | 97    |
| 28) Phenanthrene               | 17.63 | 178 | 6586   | 0.41   | ng | 100   |
| 29) Anthracene                 | 17.72 | 178 | 5787   | 0.39   | ng | 99    |
| 30) Fluoranthene               | 19.63 | 202 | 26911  | 0.37   | ng | 99    |
| 32) Benzidine                  | 19.83 | 184 | 853    | 0.35   | ng | 96    |
| 33) Pyrene                     | 19.99 | 202 | 30582  | 0.37   | ng | 99    |
| 35) Benzo(a)anthracene         | 21.73 | 228 | 11781m | 0.41   | ng |       |
| 36) 3,3'-Dichlorobenzidine     | 21.67 | 252 | 1545   | 0.43   | ng | 98    |
| 37) Chrysene                   | 21.79 | 228 | 11524m | 0.37   | ng |       |
| 38) Bis(2-ethylhexyl)phthalate | 21.64 | 149 | 24253  | 0.45   | ng | # 100 |
| 39) Indeno(1,2,3-cd)pyrene     | 26.67 | 276 | 27298  | 0.36   | ng | 100   |
| 41) Benzo(b)fluoranthene       | 23.41 | 252 | 8415   | 0.43   | ng | 98    |
| 42) Benzo(k)fluoranthene       | 23.46 | 252 | 9195   | 0.47   | ng | 96    |
| 43) Benzo(a)pyrene             | 24.05 | 252 | 6769   | 0.40   | ng | 100   |
| 44) Dibenzo(a,h)anthracene     | 26.70 | 278 | 5457   | 0.37   | ng | 95    |
| 45) Benzo(g,h,i)perylene       | 27.45 | 276 | 23077  | 0.38   | ng | 95    |

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

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