

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA E\DATA\BE120517\  
 Data File : BE094943.D  
 Acq On : 6 Dec 2017 8:06  
 Operator : SJ/JU  
 Sample : I6707-03MSD  
 Misc :  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 FT-MW01S-20171130MSD

Quant Time: Dec 06 10:01:38 2017  
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE113017.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Dec 01 13:33:28 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.47  | 152  | 7953     | 0.40 | ng    | -0.01    |
| 7) Naphthalene-d8         | 11.33 | 136  | 18113    | 0.40 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 15.06 | 164  | 10637    | 0.40 | ng    | -0.02    |
| 19) Phenanthrene-d10      | 17.77 | 188  | 25577    | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12          | 21.87 | 240  | 28423    | 0.40 | ng    | -0.02    |
| 34) Perylene-d12          | 24.55 | 264  | 22786    | 0.40 | ng    | -0.02    |

|                             |       |     |        |      |    |       |
|-----------------------------|-------|-----|--------|------|----|-------|
| System Monitoring Compounds |       |     |        |      |    |       |
| 4) 2-Fluorophenol           | 5.96  | 112 | 2308   | 0.18 | ng | 0.00  |
| 5) Phenol-d6                | 7.59  | 99  | 2140   | 0.11 | ng | 0.00  |
| 8) Nitrobenzene-d5          | 9.66  | 82  | 6244   | 0.58 | ng | 0.00  |
| 11) 2-Methylnaphthalene-d10 | 12.86 | 152 | 12056  | 0.42 | ng | 0.00  |
| 14) 2,4,6-Tribromophenol    | 16.53 | 330 | 1205   | 0.52 | ng | 0.00  |
| 15) 2-Fluorobiphenyl        | 13.71 | 172 | 21034  | 0.46 | ng | 0.00  |
| 25) Fluoranthene-d10        | 19.75 | 212 | 140751 | 0.40 | ng | 0.00  |
| 29) Terphenyl-d14           | 20.31 | 244 | 28711  | 0.55 | ng | -0.02 |

|                                |       |     |       |        |    |      |
|--------------------------------|-------|-----|-------|--------|----|------|
| Target Compounds               |       |     |       | Qvalue |    |      |
| 2) 1,4-Dioxane                 | 3.66  | 88  | 1227  | 0.147  | ng | # 59 |
| 3) n-Nitrosodimethylamine      | 4.02  | 42  | 1750  | 0.165  | ng | # 79 |
| 6) bis(2-Chloroethyl)ether     | 7.87  | 93  | 7357  | 0.398  | ng | 99   |
| 9) Naphthalene                 | 11.38 | 128 | 87850 | 0.414  | ng | 99   |
| 10) Hexachlorobutadiene        | 11.64 | 225 | 3681  | 0.411  | ng | 97   |
| 12) 2-Methylnaphthalene        | 12.93 | 142 | 21508 | 0.408  | ng | 96   |
| 16) Acenaphthylene             | 14.79 | 152 | 22564 | 0.375  | ng | 99   |
| 17) Acenaphthene               | 15.12 | 154 | 14459 | 0.372  | ng | 96   |
| 18) Fluorene                   | 16.10 | 166 | 18938 | 0.383  | ng | # 78 |
| 20) 4-Bromophenyl-phenylether  | 16.97 | 248 | 5876  | 0.412  | ng | # 85 |
| 21) Hexachlorobenzene          | 17.09 | 284 | 5645  | 0.406  | ng | # 82 |
| 22) Pentachlorophenol          | 17.41 | 266 | 2639  | 0.706  | ng | # 73 |
| 23) Phenanthrene               | 17.82 | 178 | 31894 | 0.391  | ng | 98   |
| 24) Anthracene                 | 17.91 | 178 | 34201 | 0.396  | ng | # 93 |
| 26) Fluoranthene               | 19.78 | 202 | 41046 | 0.392  | ng | 99   |
| 28) Pyrene                     | 20.13 | 202 | 42553 | 0.434  | ng | 94   |
| 30) Benzo(a)anthracene         | 21.85 | 228 | 38097 | 0.437  | ng | # 62 |
| 31) Chrysene                   | 21.92 | 228 | 39362 | 0.409  | ng | # 64 |
| 32) Bis(2-ethylhexyl)phthalate | 21.75 | 149 | 90223 | 0.625  | ng | 100  |
| 33) Indeno(1,2,3-cd)pyrene     | 27.41 | 276 | 33152 | 0.421  | ng | 99   |
| 35) Benzo(b)fluoranthene       | 23.72 | 252 | 33111 | 0.398  | ng | # 40 |
| 36) Benzo(k)fluoranthene       | 23.77 | 252 | 33549 | 0.396  | ng | # 40 |
| 37) Benzo(a)pyrene             | 24.43 | 252 | 30480 | 0.418  | ng | # 34 |
| 38) Dibenzo(a,h)anthracene     | 27.44 | 278 | 27508 | 0.408  | ng | # 43 |
| 39) Benzo(g,h,i)perylene       | 28.30 | 276 | 28435 | 0.423  | ng | # 53 |

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

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