

Data Path : Z:\HPCHEM1\BNA\_E\DATA\BE103116\  
 Data File : BE092487.D  
 Acq On : 31 Oct 2016 19:44  
 Operator : UM/SJ  
 Sample : H5475-01MSD  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 WOOLSTON-TS-004MSD

Manual Integrations  
 APPROVED

umangi  
 11/1/2016 4:15:40 PM

Quant Time: Nov 01 11:15:08 2016  
 Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\8270-SIM-BE102516.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Oct 25 15:25:33 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.16  | 152  | 11577    | 5.00 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.95 | 136  | 53711    | 5.00 | ng    | 0.00     |
| 12) Acenaphthene-d10      | 14.81 | 164  | 35679    | 5.00 | ng    | 0.00     |
| 18) Phenanthrene-d10      | 17.58 | 188  | 68204    | 5.00 | ng    | 0.00     |
| 24) Chrysene-d12          | 21.75 | 240  | 94049    | 5.00 | ng    | 0.00     |
| 31) Perylene-d12          | 24.12 | 264  | 78440    | 5.00 | ng    | 0.01     |

|                             |       |     |       |       |    |       |
|-----------------------------|-------|-----|-------|-------|----|-------|
| System Monitoring Compounds |       |     |       |       |    |       |
| 4) 2-Fluorophenol           | 5.67  | 112 | 29360 | 13.57 | ng | -0.02 |
| 5) Phenol-d6                | 7.34  | 99  | 43930 | 13.49 | ng | -0.02 |
| 8) Nitrobenzene-d5          | 9.32  | 82  | 19962 | 5.21  | ng | -0.05 |
| 13) 2,4,6-Tribromophenol    | 16.31 | 330 | 12850 | 13.21 | ng | -0.01 |
| 14) 2-Fluorobiphenyl        | 13.43 | 172 | 42078 | 4.84  | ng | -0.01 |
| 26) Terphenyl-d14           | 20.17 | 244 | 57904 | 4.98  | ng | -0.02 |

|                                |       |     |         |       |    |        |
|--------------------------------|-------|-----|---------|-------|----|--------|
| Target Compounds               |       |     |         |       |    | Qvalue |
| 2) 1,4-Dioxane                 | 3.41  | 88  | 4637    | 3.73  | ng | # 55   |
| 3) n-Nitrosodimethylamine      | 3.74  | 42  | 8953    | 4.61  | ng | # 96   |
| 6) bis(2-Chloroethyl)ether     | 7.59  | 93  | 14298   | 4.35  | ng | # 27   |
| 9) Naphthalene                 | 10.99 | 128 | 51888   | 4.47  | ng | # 95   |
| 10) Hexachlorobutadiene        | 11.28 | 225 | 7754    | 4.35  | ng | 100    |
| 11) 2-Methylnaphthalene        | 12.62 | 142 | 35865   | 4.78  | ng | # 85   |
| 15) Acenaphthylene             | 14.53 | 152 | 245018  | 4.80  | ng | 100    |
| 16) Acenaphthene               | 14.88 | 154 | 36659   | 4.50  | ng | 95     |
| 17) Fluorene                   | 15.86 | 166 | 49374   | 5.07  | ng | 100    |
| 19) Hexachlorobenzene          | 16.89 | 284 | 14436   | 4.73  | ng | # 62   |
| 20) Pentachlorophenol          | 17.23 | 266 | 19398   | 22.86 | ng | 85     |
| 21) Phenanthrene               | 17.60 | 178 | 86714   | 4.92  | ng | # 95   |
| 22) Anthracene                 | 17.70 | 178 | 89915   | 5.67  | ng | 99     |
| 23) Fluoranthene               | 19.61 | 202 | 397589  | 5.69  | ng | 97     |
| 25) Pyrene                     | 19.97 | 202 | 405625  | 4.95  | ng | 98     |
| 27) Benzo(a)anthracene         | 21.72 | 228 | 452177m | 5.20  | ng |        |
| 28) Chrysene                   | 21.77 | 228 | 357209m | 3.91  | ng |        |
| 29) Bis(2-ethylhexyl)phthalate | 21.63 | 149 | 64968   | 6.18  | ng | # 73   |
| 30) Indeno(1,2,3-cd)pyrene     | 26.63 | 276 | 400944  | 4.97  | ng | # 94   |
| 32) Benzo(b)fluoranthene       | 23.38 | 252 | 91513   | 4.68  | ng | 97     |
| 33) Benzo(k)fluoranthene       | 23.43 | 252 | 89404   | 4.62  | ng | # 74   |
| 34) Benzo(a)pyrene             | 24.01 | 252 | 91032   | 5.15  | ng | 98     |
| 35) Dibenzo(a,h)anthracene     | 26.65 | 278 | 84653   | 5.13  | ng | # 94   |
| 36) Benzo(g,h,i)perylene       | 27.42 | 276 | 342473  | 4.81  | ng | 99     |

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

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