

Data Path : Z:\HPCHEM1\BNA\_E\DATA\BE101717\  
 Data File : BE094432.D  
 Acq On : 17 Oct 2017 16:48  
 Operator : SJ/JU  
 Sample : I5275-02  
 Misc : LOQ 0.2 PPM  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 LOQ-SOIL-02-QT4-2017

Manual Integrations  
 APPROVED

Sohil  
 10/18/2017 7:21:17 PM

Quant Time: Oct 17 20:32:27 2017

Quant Method : Z:\HPCHEM1\BNA\_E\Methods\8270-SIM-BE101617.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Mon Oct 16 14:54:40 2017

Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.91  | 152  | 1233     | 0.40 | ng    | -0.01    |
| 7) Naphthalene-d8         | 10.71 | 136  | 6363     | 0.40 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 14.52 | 164  | 3993     | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 17.27 | 188  | 7015     | 0.40 | ng    | 0.00     |
| 27) Chrysene-d12          | 21.43 | 240  | 9800     | 0.40 | ng    | 0.00     |
| 34) Perylene-d12          | 23.96 | 264  | 9262     | 0.40 | ng    | 0.00     |

#### System Monitoring Compounds

|                             |       |     |       |      |    |      |
|-----------------------------|-------|-----|-------|------|----|------|
| 4) 2-Fluorophenol           | 5.52  | 112 | 1440  | 0.35 | ng | 0.00 |
| 5) Phenol-d6                | 7.13  | 99  | 2101  | 0.32 | ng | 0.00 |
| 8) Nitrobenzene-d5          | 9.08  | 82  | 1968  | 0.36 | ng | 0.00 |
| 11) 2-Methylnaphthalene-d10 | 12.29 | 152 | 3747  | 0.38 | ng | 0.00 |
| 14) 2,4,6-Tribromophenol    | 16.03 | 330 | 438   | 0.29 | ng | 0.00 |
| 15) 2-Fluorobiphenyl        | 13.16 | 172 | 5247  | 0.37 | ng | 0.02 |
| 25) Fluoranthene-d10        | 19.29 | 212 | 39926 | 0.35 | ng | 0.00 |
| 29) Terphenyl-d14           | 19.87 | 244 | 6905  | 0.35 | ng | 0.00 |

#### Target Compounds

|                                |       |     |       |       |    | Qvalue |
|--------------------------------|-------|-----|-------|-------|----|--------|
| 2) 1,4-Dioxane                 | 3.41  | 88  | 464   | 0.178 | ng | # 92   |
| 3) n-Nitrosodimethylamine      | 3.75  | 42  | 365   | 0.170 | ng | # 87   |
| 6) bis(2-Chloroethyl)ether     | 7.33  | 93  | 937   | 0.195 | ng | 87     |
| 9) Naphthalene                 | 10.76 | 128 | 14610 | 0.205 | ng | 99     |
| 10) Hexachlorobutadiene        | 11.02 | 225 | 575   | 0.202 | ng | 98     |
| 12) 2-Methylnaphthalene        | 12.37 | 142 | 2466  | 0.210 | ng | 99     |
| 16) Acenaphthylene             | 14.24 | 152 | 4168  | 0.192 | ng | 100    |
| 17) Acenaphthene               | 14.58 | 154 | 2684  | 0.197 | ng | 98     |
| 18) Fluorene                   | 15.58 | 166 | 3459  | 0.197 | ng | 97     |
| 20) 4-Bromophenyl-phenylether  | 16.45 | 248 | 706   | 0.201 | ng | # 58   |
| 21) Hexachlorobenzene          | 16.58 | 284 | 1226  | 0.193 | ng | # 57   |
| 22) Pentachlorophenol          | 17.01 | 266 | 74    | 0.257 | ng | 98     |
| 23) Phenanthrene               | 17.30 | 178 | 5202m | 0.188 | ng |        |
| 24) Anthracene                 | 17.40 | 178 | 4639m | 0.218 | ng |        |
| 26) Fluoranthene               | 19.32 | 202 | 6484  | 0.189 | ng | 100    |
| 28) Pyrene                     | 19.67 | 202 | 6966  | 0.188 | ng | 100    |
| 30) Benzo(a)anthracene         | 21.40 | 228 | 6512  | 0.192 | ng | # 67   |
| 31) Chrysene                   | 21.46 | 228 | 6594  | 0.202 | ng | # 69   |
| 32) Bis(2-ethylhexyl)phthalate | 21.29 | 149 | 17758 | 0.182 | ng | 100    |
| 33) Indeno(1,2,3-cd)pyrene     | 26.65 | 276 | 6321  | 0.192 | ng | 99     |
| 35) Benzo(b)fluoranthene       | 23.18 | 252 | 6205  | 0.198 | ng | # 48   |
| 36) Benzo(k)fluoranthene       | 23.23 | 252 | 6342  | 0.205 | ng | # 49   |
| 37) Benzo(a)pyrene             | 23.84 | 252 | 5774  | 0.196 | ng | # 45   |
| 38) Dibenzo(a,h)anthracene     | 26.65 | 278 | 5513  | 0.197 | ng | # 56   |
| 39) Benzo(g,h,i)perylene       | 27.48 | 276 | 5218  | 0.194 | ng | # 63   |

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

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