

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_E\DATA\BE072618\  
 Data File : BE097104.D  
 Acq On : 26 Jul 2018 15:58  
 Operator : SJ/JU  
 Sample : J3762-03  
 Misc : MDL 0.1PPM  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 MDL-SOIL-03-QT3-2018

Manual Integrations  
 APPROVED

Sohil  
 7/27/2018 11:39:49 AM

Quant Time: Jul 27 04:14:06 2018

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_E\METHODS\8270-SIM-BE072418.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Jul 24 13:24:10 2018

Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.39  | 152  | 1174     | 0.40 | ng    | 0.00     |
| 7) Naphthalene-d8         | 10.15 | 136  | 5733     | 0.40 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 14.01 | 164  | 3410     | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 16.78 | 188  | 9505     | 0.40 | ng    | 0.01     |
| 27) Chrysene-d12          | 20.98 | 240  | 7012     | 0.40 | ng    | 0.00     |
| 34) Perylene-d12          | 23.22 | 264  | 5402     | 0.40 | ng    | 0.00     |

#### System Monitoring Compounds

|                             |       |     |       |      |    |      |
|-----------------------------|-------|-----|-------|------|----|------|
| 4) 2-Fluorophenol           | 5.05  | 112 | 1066  | 0.32 | ng | 0.00 |
| 5) Phenol-d6                | 6.60  | 99  | 1432  | 0.30 | ng | 0.00 |
| 8) Nitrobenzene-d5          | 8.53  | 82  | 1746  | 0.35 | ng | 0.00 |
| 11) 2-Methylnaphthalene-d10 | 11.73 | 152 | 3184  | 0.37 | ng | 0.00 |
| 14) 2,4,6-Tribromophenol    | 15.53 | 330 | 271   | 0.24 | ng | 0.01 |
| 15) 2-Fluorobiphenyl        | 12.63 | 172 | 4694  | 0.40 | ng | 0.00 |
| 25) Fluoranthene-d10        | 18.82 | 212 | 35018 | 0.37 | ng | 0.00 |
| 29) Terphenyl-d14           | 19.43 | 244 | 5416  | 0.40 | ng | 0.00 |

#### Target Compounds

|                                |       |     |       |       |    | Qvalue |
|--------------------------------|-------|-----|-------|-------|----|--------|
| 2) 1,4-Dioxane                 | 3.09  | 88  | 220   | 0.118 | ng | # 82   |
| 3) n-Nitrosodimethylamine      | 3.39  | 42  | 196   | 0.094 | ng | # 76   |
| 6) bis(2-Chloroethyl)ether     | 6.84  | 93  | 469   | 0.106 | ng | # 72   |
| 9) Naphthalene                 | 10.20 | 128 | 4870  | 0.095 | ng | # 97   |
| 10) Hexachlorobutadiene        | 10.48 | 225 | 239   | 0.104 | ng | # 90   |
| 12) 2-Methylnaphthalene        | 11.81 | 142 | 783   | 0.089 | ng | # 97   |
| 16) Acenaphthylene             | 13.74 | 152 | 1415  | 0.092 | ng | # 98   |
| 17) Acenaphthene               | 14.08 | 154 | 829   | 0.093 | ng | # 89   |
| 18) Fluorene                   | 15.07 | 166 | 1024  | 0.087 | ng | # 80   |
| 20) 4-Bromophenyl-phenylether  | 15.98 | 248 | 409   | 0.089 | ng | # 86   |
| 21) Hexachlorobenzene          | 16.09 | 284 | 510   | 0.103 | ng | # 83   |
| 22) Pentachlorophenol          | 16.46 | 266 | 65    | 0.090 | ng | # 93   |
| 23) Phenanthrene               | 16.81 | 178 | 2103  | 0.093 | ng | # 98   |
| 24) Anthracene                 | 16.90 | 178 | 1573  | 0.078 | ng | # 95   |
| 26) Fluoranthene               | 18.84 | 202 | 2118  | 0.083 | ng | # 99   |
| 28) Pyrene                     | 19.21 | 202 | 1927  | 0.100 | ng | # 99   |
| 30) Benzo(a)anthracene         | 20.97 | 228 | 1352m | 0.078 | ng | # 95   |
| 31) Chrysene                   | 21.02 | 228 | 1795  | 0.096 | ng | # 95   |
| 32) Bis(2-ethylhexyl)phthalate | 20.92 | 149 | 1336  | 0.065 | ng | # 98   |
| 33) Indeno(1,2,3-cd)pyrene     | 25.53 | 276 | 927   | 0.055 | ng | # 70   |
| 35) Benzo(b)fluoranthene       | 22.54 | 252 | 1112  | 0.081 | ng | # 93   |
| 36) Benzo(k)fluoranthene       | 22.59 | 252 | 1356  | 0.085 | ng | # 78   |
| 37) Benzo(a)pyrene             | 23.12 | 252 | 964   | 0.075 | ng | # 71   |
| 38) Dibenzo(a,h)anthracene     | 25.56 | 278 | 677   | 0.053 | ng | # 58   |
| 39) Benzo(g,h,i)perylene       | 26.23 | 276 | 991   | 0.073 | ng | # 72   |

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

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