

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM072318\  
 Data File : BM016032.D  
 Acq On : 23 Jul 2018 19:00  
 Operator : SJ/JU  
 Sample : J3762-01  
 Misc : LOD 2 PPM  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT3-2018

Quant Time: Jul 24 07:31:47 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM072318.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jul 23 16:08:38 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.23  | 152  | 39280    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 11.05 | 136  | 143898   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 14.86 | 164  | 74986    | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 17.59 | 188  | 161607   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 21.70 | 240  | 179692   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 24.07 | 264  | 192188   | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |         |        |    |      |
|--------------------------|-------|-----|---------|--------|----|------|
| 5) 2-Fluorophenol        | 5.74  | 112 | 301262  | 127.40 | ng | 0.00 |
| 7) Phenol-d6             | 7.39  | 99  | 364545  | 118.05 | ng | 0.00 |
| 23) Nitrobenzene-d5      | 9.42  | 82  | 278436  | 90.00  | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 16.34 | 330 | 122703  | 129.02 | ng | 0.00 |
| 44) 2-Fluorobiphenyl     | 13.48 | 172 | 554461  | 89.97  | ng | 0.00 |
| 78) Terphenyl-d14        | 20.16 | 244 | 1033034 | 120.34 | ng | 0.00 |

## Target Compounds

|                                |       |     |      |       |    | Qvalue |
|--------------------------------|-------|-----|------|-------|----|--------|
| 17) 2-Methylphenol             | 8.70  | 107 | 2901 | 1.374 | ng | # 82   |
| 19) n-Nitroso-di-n-propylamine | 9.05  | 70  | 2665 | 1.181 | ng | # 63   |
| 20) 3+4-Methylphenols          | 9.04  | 107 | 2705 | 0.891 | ng | # 82   |
| 22) Acetophenone               | 9.09  | 105 | 6029 | 1.664 | ng | # 86   |
| 25) Isophorone                 | 9.99  | 82  | 7347 | 1.736 | ng | # 90   |
| 26) 2-Nitrophenol              | 10.21 | 139 | 941  | 0.724 | ng | # 54   |
| 27) 2,4-Dimethylphenol         | 10.24 | 122 | 3040 | 1.678 | ng | # 79   |
| 28) bis(2-Chloroethoxy)methane | 10.47 | 93  | 4296 | 1.562 | ng | # 78   |
| 29) 2,4-Dichlorophenol         | 10.75 | 162 | 2516 | 1.169 | ng | # 77   |
| 30) 1,2,4-Trichlorobenzene     | 10.92 | 180 | 4429 | 1.694 | ng | # 96   |
| 36) 4-Chloro-3-methylphenol    | 12.36 | 107 | 2667 | 1.127 | ng | # 67   |
| 42) 2,4,6-Trichlorophenol      | 13.32 | 196 | 1984 | 1.242 | ng | # 90   |
| 43) 2,4,5-Trichlorophenol      | 13.42 | 196 | 1939 | 1.177 | ng | # 87   |
| 56) 2,4-Dinitrotoluene         | 15.26 | 165 | 2003 | 1.061 | ng | # 35   |
| 60) 4-Chlorophenyl-phenylether | 15.89 | 204 | 5269 | 1.631 | ng | # 83   |
| 61) 4-Nitroaniline             | 15.97 | 138 | 549  | 0.401 | ng | # 21   |
| 76) Benzidine                  | 19.81 | 184 | 2731 | 0.544 | ng | # 76   |
| 81) 3,3'-Dichlorobenzidine     | 21.62 | 252 | 6138 | 1.377 | ng | # 95   |

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

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