

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM050219\  
 Data File : BM020105.D  
 Acq On : 02 May 2019 17:09  
 Operator : JU/SJ  
 Sample : K2551-12DL 5X  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 PT-BNA-SOILD

Quant Time: May 06 05:50:39 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM043019.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed May 01 03:58:37 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.79  | 152  | 124038   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 10.58 | 136  | 484853   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 14.43 | 164  | 304175   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 17.17 | 188  | 744807   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 21.36 | 240  | 782410   | 20.00 | ng    | 0.00     |
| 87) Perylene-d12          | 23.64 | 264  | 854338   | 20.00 | ng    | -0.01    |

## System Monitoring Compounds

|                          |       |     |        |       |    |      |
|--------------------------|-------|-----|--------|-------|----|------|
| 5) 2-Fluorophenol        | 5.36  | 112 | 200046 | 26.36 | ng | 0.00 |
| 7) Phenol-d6             | 6.95  | 99  | 302598 | 29.19 | ng | 0.00 |
| 23) Nitrobenzene-d5      | 8.95  | 82  | 231047 | 18.81 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 15.92 | 330 | 137858 | 29.20 | ng | 0.00 |
| 45) 2-Fluorobiphenyl     | 13.05 | 172 | 504141 | 20.39 | ng | 0.00 |
| 79) Terphenyl-d14        | 19.80 | 244 | 942630 | 21.01 | ng | 0.00 |

## Target Compounds

|                                |       |     |         |        |    | Qvalue |
|--------------------------------|-------|-----|---------|--------|----|--------|
| 11) bis(2-Chloroethyl)ether    | 7.22  | 93  | 180016  | 22.193 | ng | 97     |
| 12) 1,3-Dichlorobenzene        | 7.67  | 146 | 214651  | 22.328 | ng | 97     |
| 13) 1,4-Dichlorobenzene        | 7.82  | 146 | 583792  | 60.114 | ng | 96     |
| 14) 1,2-Dichlorobenzene        | 8.14  | 146 | 580327  | 62.723 | ng | 98     |
| 18) Hexachloroethane           | 8.86  | 117 | 101202  | 24.993 | ng | 98     |
| 19) n-Nitroso-di-n-propylamine | 8.59  | 70  | 202417  | 22.822 | ng | 96     |
| 24) Nitrobenzene               | 9.00  | 77  | 796893  | 62.583 | ng | 98     |
| 25) Isophorone                 | 9.51  | 82  | 1065673 | 50.319 | ng | 99     |
| 26) 2-Nitrophenol              | 9.70  | 139 | 86805   | 22.581 | ng | 98     |
| 28) bis(2-Chloroethoxy)methane | 10.00 | 93  | 254736  | 22.085 | ng | 100    |
| 30) 1,2,4-Trichlorobenzene     | 10.45 | 180 | 512853  | 51.647 | ng | 99     |
| 31) Naphthalene                | 10.63 | 128 | 570519  | 22.675 | ng | 99     |
| 36) 4-Chloro-3-methylphenol    | 11.86 | 107 | 261488  | 27.572 | ng | 95     |
| 44) 2,4,5-Trichlorophenol      | 12.92 | 196 | 229483  | 30.372 | ng | 98     |
| 47) 2-Chloronaphthalene        | 13.30 | 162 | 732552  | 36.646 | ng | 99     |
| 50) Dimethylphthalate          | 13.89 | 163 | 1543712 | 59.712 | ng | 99     |
| 51) 2,6-Dinitrotoluene         | 14.02 | 165 | 129210  | 23.730 | ng | 100    |
| 52) Acenaphthene               | 14.49 | 154 | 357409  | 19.482 | ng | 98     |
| 55) Dibenzofuran               | 14.83 | 168 | 426443  | 13.781 | ng | 100    |
| 57) 2,4-Dinitrotoluene         | 14.80 | 165 | 302145  | 40.837 | ng | 98     |
| 58) Fluorene                   | 15.48 | 166 | 789276  | 31.057 | ng | 100    |
| 61) 4-Chlorophenyl-phenylether | 15.47 | 204 | 610083  | 42.368 | ng | 96     |
| 67) 4-Bromophenyl-phenylether  | 16.37 | 248 | 350094  | 38.332 | ng | 98     |
| 68) Hexachlorobenzene          | 16.47 | 284 | 166422  | 15.835 | ng | 97     |
| 71) Phenanthrene               | 17.22 | 178 | 1025108 | 24.933 | ng | 99     |
| 80) Butylbenzylphthalate       | 20.50 | 149 | 961200  | 50.318 | ng | 100    |
| 81) Benzo(a)anthracene         | 21.34 | 228 | 1542985 | 28.121 | ng | 100    |
| 84) Bis(2-ethylhexyl)phthalate | 21.27 | 149 | 2043884 | 68.952 | ng | 99     |
| 85) Di-n-octyl phthalate       | 22.16 | 149 | 555258  | 11.270 | ng | 99     |
| 90) Benzo(a)pyrene             | 23.54 | 252 | 1039841 | 20.292 | ng | 99     |
| 91) Dibenzo(a,h)anthracene     | 25.99 | 278 | 1040628 | 19.527 | ng | 99     |
| 92) Benzo(a,h,i)perylene       | 26.68 | 276 | 545761  | 10.787 | ng | 99     |

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

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