

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY102723\  
 Data File : VY016117.D  
 Acq On : 27 Oct 2023 20:27  
 Operator : SY/MD  
 Sample : 05107-09  
 Misc : 5.07g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 1079

Quant Time: Oct 30 06:14:39 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y102623S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Oct 27 04:12:29 2023  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.795  | 168  | 188271   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.697  | 114  | 302522   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.496 | 117  | 249813   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.428 | 152  | 97594    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |            |      |
|-----------------------------|--------|-------|----------|----------|------------|------|
| System Monitoring Compounds |        |       |          |          |            |      |
| 33) 1,2-Dichloroethane-d4   | 8.149  | 65    | 106320   | 56.792   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | = 113.580% |      |
| 35) Dibromofluoromethane    | 7.722  | 113   | 94461    | 49.461   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | = 98.920%  |      |
| 50) Toluene-d8              | 10.185 | 98    | 405522   | 57.324   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | = 114.640% |      |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 116463   | 47.993   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | = 95.980%  |      |

|                            |        |     |          |          |        |        |
|----------------------------|--------|-----|----------|----------|--------|--------|
| Target Compounds           |        |     |          |          |        | Qvalue |
| 16) Acetone                | 3.954  | 43  | 49804    | 98.150   | ug/l   | 92     |
| 17) Carbon Disulfide       | 4.198  | 76  | 25409    | 5.710    | ug/l   | 98     |
| 20) Methylene Chloride     | 4.722  | 84  | 24184    | 7.254    | ug/l # | 83     |
| 31) Cyclohexane            | 7.789  | 56  | 625676   | 212.439  | ug/l   | 92     |
| 39) Methylcyclohexane      | 9.191  | 83  | 1500124  | 462.554  | ug/l   | 92     |
| 40) Benzene                | 8.167  | 78  | 16000375 | 2122.887 | ug/l   | 91     |
| 51) 4-Methyl-2-Pentanone   | 10.075 | 43  | 111766   | 83.022   | ug/l   | 89     |
| 52) Toluene                | 10.252 | 92  | 12467663 | 2576.022 | ug/l # | 74     |
| 67) Ethyl Benzene          | 11.593 | 91  | 3215888  | 368.804  | ug/l   | 97     |
| 68) m/p-Xylenes            | 11.703 | 106 | 6224098  | 1844.465 | ug/l   | 86     |
| 69) o-Xylene               | 12.032 | 106 | 3113698  | 963.827  | ug/l   | 93     |
| 73) Isopropylbenzene       | 12.331 | 105 | 380241   | 55.362   | ug/l   | 99     |
| 78) n-propylbenzene        | 12.672 | 91  | 658919   | 79.233   | ug/l   | 99     |
| 80) 1,3,5-Trimethylbenzene | 12.812 | 105 | 2455906  | 430.677  | ug/l   | 97     |
| 84) 1,2,4-Trimethylbenzene | 13.123 | 105 | 4891466  | 868.531  | ug/l   | 96     |
| 85) sec-Butylbenzene       | 13.257 | 105 | 171003   | 22.651   | ug/l # | 54     |
| 86) p-Isopropyltoluene     | 13.373 | 119 | 211571   | 33.585   | ug/l   | 98     |
| 89) n-Butylbenzene         | 13.696 | 91  | 106326   | 18.094   | ug/l # | 56     |
| 95) Naphthalene            | 15.233 | 128 | 18885856 | 5462.010 | ug/l # | 88     |

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

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