

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD090920\  
 Data File : VD066579.D  
 Acq On : 09 Sep 2020 13:24  
 Operator : VA/SY  
 Sample : L3876-09  
 Misc : 5.07G/5.00ml/MSVOA D/SOIL  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 1495-96RE

Quant Time: Sep 09 14:21:32 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D090320S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Sep 04 01:57:04 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.98  | 168  | 240388   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.86  | 114  | 459490   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.64 | 117  | 193484   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.58 | 152  | 15987    | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 8.33   | 65  | 202932   | 69.77 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 139.54% |      |
| 35) Dibromofluoromethane  | 7.91   | 113 | 184228   | 59.43 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 118.86% |      |
| 50) Toluene-d8            | 10.34  | 98  | 360889   | 32.57 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 65.14%  |      |
| 62) 4-Bromofluorobenzene  | 12.63  | 95  | 43193    | 11.76 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 23.52%  |      |

## Target Compounds

|                            |       |     |          |           |        | Qvalue |
|----------------------------|-------|-----|----------|-----------|--------|--------|
| 11) Tert butyl alcohol     | 5.22  | 59  | 1319308  | 8806.649  | ug/l   | 96     |
| 16) Acetone                | 4.16  | 43  | 6623     | 12.376    | ug/l # | 83     |
| 17) Carbon Disulfide       | 4.41  | 76  | 16065    | 2.018     | ug/l # | 84     |
| 20) Methylene Chloride     | 4.96  | 84  | 29031    | 3.845     | ug/l   | 93     |
| 39) Methylcyclohexane      | 9.35  | 83  | 9522     | 1.783     | ug/l   | 96     |
| 41) Methacrylonitrile      | 7.48  | 41  | 26376561 | 28616.844 | ug/l # | 43     |
| 51) 4-Methyl-2-Pentanone   | 10.23 | 43  | 4377     | 2.378     | ug/l   | 98     |
| 52) Toluene                | 10.40 | 92  | 121075   | 14.605    | ug/l   | 99     |
| 67) Ethyl Benzene          | 11.74 | 91  | 11530    | 1.572     | ug/l   | 99     |
| 68) m/p-Xylenes            | 11.85 | 106 | 11088    | 4.073     | ug/l   | 79     |
| 69) o-Xylene               | 12.18 | 106 | 4811     | 1.972     | ug/l   | 90     |
| 73) Isopropylbenzene       | 12.48 | 105 | 10920    | 9.226     | ug/l   | 98     |
| 78) n-propylbenzene        | 12.83 | 91  | 7923     | 5.522     | ug/l   | 94     |
| 80) 1,3,5-Trimethylbenzene | 12.96 | 105 | 9419     | 9.454     | ug/l   | 98     |
| 84) 1,2,4-Trimethylbenzene | 13.27 | 105 | 16888    | 17.026    | ug/l   | 99     |
| 85) sec-Butylbenzene       | 13.41 | 105 | 8794     | 7.503     | ug/l # | 77     |
| 86) p-Isopropyltoluene     | 13.51 | 119 | 11391    | 10.797    | ug/l   | 91     |
| 89) n-Butylbenzene         | 13.84 | 91  | 4779     | 4.649     | ug/l # | 72     |
| 95) Naphthalene            | 15.41 | 128 | 12001    | 24.990    | ug/l # | 94     |

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

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