

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_F\DATA\VF111418\  
 Data File : VF060729.D  
 Acq On : 14 Nov 2018 17:30  
 Operator : VA/AP  
 Sample : J5770-01  
 Misc : 7.12g/5mL/MSVOA-F/SOIL  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 OR-01-111218-A

Quant Time: Nov 15 07:17:38 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_F\METHODS\82F111318S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Nov 14 03:11:14 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 4.85  | 168  | 255508   | 50.00 | ug/l  | -0.04    |
| 34) 1,4-Difluorobenzene    | 5.58  | 114  | 421999   | 50.00 | ug/l  | -0.04    |
| 63) Chlorobenzene-d5       | 9.75  | 117  | 398185   | 50.00 | ug/l  | -0.04    |
| 72) 1,4-Dichlorobenzene-d4 | 12.53 | 152  | 206446   | 50.00 | ug/l  | -0.03    |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|-------|--------|----------|
| 33) 1,2-Dichloroethane-d4   | 4.82  | 65   | 115227   | 39.54 | ug/l   | -0.04    |
| Spiked Amount               |       |      | Recovery | =     | 79.08% |          |
| 35) Dibromofluoromethane    | 4.09  | 113  | 130057   | 41.00 | ug/l   | -0.04    |
| Spiked Amount               |       |      | Recovery | =     | 82.00% |          |
| 50) Toluene-d8              | 7.53  | 98   | 328411   | 39.58 | ug/l   | -0.04    |
| Spiked Amount               |       |      | Recovery | =     | 79.16% |          |
| 62) 4-Bromofluorobenzene    | 11.40 | 95   | 164651   | 43.32 | ug/l   | -0.02    |
| Spiked Amount               |       |      | Recovery | =     | 86.64% |          |

| Target Compounds           | R.T.  | QIon | Response | Conc  | Units | Qvalue |
|----------------------------|-------|------|----------|-------|-------|--------|
| 16) Acetone                | 2.23  | 43   | 22545    | 36.19 | ug/l  | # 88   |
| 30) Chloroform             | 3.83  | 83   | 16257    | 2.37  | ug/l  | 90     |
| 39) Methylcyclohexane      | 5.43  | 83   | 9554     | 1.68  | ug/l  | 88     |
| 40) Benzene                | 4.61  | 78   | 29699    | 2.72  | ug/l  | 99     |
| 52) Toluene                | 7.60  | 92   | 11062    | 1.51  | ug/l  | 97     |
| 56) Ethyl methacrylate     | 8.60  | 69   | 8514     | 3.59  | ug/l  | 95     |
| 68) m/p-Xylenes            | 10.11 | 106  | 13780    | 2.55  | ug/l  | 93     |
| 69) o-Xylene               | 10.70 | 106  | 11420    | 1.88  | ug/l  | 81     |
| 80) 1,3,5-Trimethylbenzene | 11.81 | 105  | 20514    | 1.55  | ug/l  | 98     |
| 84) 1,2,4-Trimethylbenzene | 12.19 | 105  | 26995    | 1.98  | ug/l  | 91     |
| 95) Naphthalene            | 14.45 | 128  | 265280   | 31.21 | ug/l  | 100    |

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

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