

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF012819\  
 Data File : VF061538.D  
 Acq On : 28 Jan 2019 13:42  
 Operator : VA/AP  
 Sample : K1011-09  
 Misc : 6.57g/5mL/MSVOA-F/SOIL  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 OR-01-012519-A

Manual Integrations  
 APPROVED

MMDadoda  
 1/29/2019 12:19:04 PM

Quant Time: Jan 29 04:36:46 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_F\METHODS\82F011519S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jan 16 04:51:59 2019  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|--------|--------|----------|
| 1) Pentafluorobenzene       | 4.86  | 168  | 217051   | 50.00  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 5.58  | 114  | 405458   | 50.00  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 9.77  | 117  | 295051   | 50.00  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.55 | 152  | 117001   | 50.00  | ug/l   | 0.00     |
| System Monitoring Compounds |       |      |          |        |        |          |
| 33) 1,2-Dichloroethane-d4   | 4.83  | 65   | 113417   | 42.32  | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 84.64% |          |
| 35) Dibromofluoromethane    | 4.10  | 113  | 129870   | 40.59  | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 81.18% |          |
| 50) Toluene-d8              | 7.55  | 98   | 304768   | 34.77  | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 69.54% |          |
| 62) 4-Bromofluorobenzene    | 11.40 | 95   | 122107   | 29.81  | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 59.62% |          |
| Target Compounds            |       |      |          |        |        |          |
| 16) Acetone                 | 2.23  | 43   | 49580    | 92.226 | ug/l # | 90       |
| 20) Methylene Chloride      | 2.24  | 84   | 13151m   | 5.648  | ug/l   |          |
| 25) 2-Butanone              | 4.32  | 43   | 10413    | 11.648 | ug/l # | 87       |
| 52) Toluene                 | 7.62  | 92   | 40384    | 5.862  | ug/l   | 97       |
| 68) m/p-Xylenes             | 10.12 | 106  | 11906    | 3.020  | ug/l   | 100      |
| 69) o-Xylene                | 10.70 | 106  | 8324     | 1.948  | ug/l   | 97       |
| 95) Naphthalene             | 14.45 | 128  | 9388     | 1.876  | ug/l # | 94       |

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

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