

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_F\DATA\VF122118\  
 Data File : VF061127.D  
 Acq On : 21 Dec 2018 15:46  
 Operator : VA/AP  
 Sample : J6199-09RE  
 Misc : 5.68g/5mL/MSVOA-F/SOIL  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_F  
 ClientSampleId :  
 SU-02-121818-ARE

Manual Integrations  
 APPROVED

MMDadoda  
 12/26/2018 10:51:19 AM

Quant Time: Dec 21 16:50:18 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_F\METHODS\82F121918S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Dec 20 00:56:59 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|--------|--------|----------|
| 1) Pentafluorobenzene       | 4.90  | 168  | 189752   | 50.00  | ug/l   | 0.03     |
| 34) 1,4-Difluorobenzene     | 5.63  | 114  | 352522   | 50.00  | ug/l   | 0.04     |
| 63) Chlorobenzene-d5        | 9.82  | 117  | 251609   | 50.00  | ug/l   | 0.04     |
| 72) 1,4-Dichlorobenzene-d4  | 12.58 | 152  | 105168   | 50.00  | ug/l   | 0.03     |
| System Monitoring Compounds |       |      |          |        |        |          |
| 33) 1,2-Dichloroethane-d4   | 4.88  | 65   | 15333    | 6.28   | ug/l   | 0.04     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 12.56% |          |
| 35) Dibromofluoromethane    | 4.15  | 113  | 15562    | 5.51   | ug/l   | 0.04     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 11.02% |          |
| 50) Toluene-d8              | 7.59  | 98   | 33729    | 4.21   | ug/l   | 0.03     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 8.42%  |          |
| 62) 4-Bromofluorobenzene    | 11.44 | 95   | 15765    | 4.27   | ug/l   | 0.03     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 8.54%  |          |
| Target Compounds            |       |      |          |        |        |          |
| 16) Acetone                 | 2.27  | 43   | 8750     | 17.934 | ug/l   | 94       |
| 20) Methylene Chloride      | 2.30  | 84   | 32283m   | 17.815 | ug/l   |          |
| 52) Toluene                 | 7.66  | 92   | 34543    | 5.703  | ug/l   | 95       |
| 95) Naphthalene             | 14.48 | 128  | 6330     | 1.401  | ug/l # | 86       |

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

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