

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092118\  
 Data File : VD060071.D  
 Acq On : 21 Sep 2018 15:07  
 Operator : VA/AP  
 Sample : J5017-05  
 Misc : 5.00/5ml/MSVOA D/SOIL  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 RA-091918-S-EW-059

Manual Integrations  
 APPROVED

apatel  
 9/24/2018 2:07:01 PM

Quant Time: Sep 24 14:13:56 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D091318S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Sep 13 16:17:40 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|--------|--------|----------|
| 1) Pentafluorobenzene       | 6.40   | 168  | 1211645  | 50.00  | ug/l   | 0.02     |
| 34) 1,4-Difluorobenzene     | 7.44   | 114  | 1697344  | 50.00  | ug/l   | 0.02     |
| 63) Chlorobenzene-d5        | 11.28  | 117  | 1277627  | 50.00  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.37  | 152  | 525808   | 50.00  | ug/l   | 0.00     |
| System Monitoring Compounds |        |      |          |        |        |          |
| 33) 1,2-Dichloroethane-d4   | 6.78   | 65   | 380700   | 40.29  | ug/l   | 0.02     |
| Spiked Amount               | 50.000 |      | Recovery | =      | 80.58% |          |
| 35) Dibromofluoromethane    | 6.32   | 113  | 519453   | 39.17  | ug/l   | 0.02     |
| Spiked Amount               | 50.000 |      | Recovery | =      | 78.34% |          |
| 50) Toluene-d8              | 9.45   | 98   | 1285328  | 34.97  | ug/l   | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =      | 69.94% |          |
| 62) 4-Bromofluorobenzene    | 12.42  | 95   | 452744   | 32.25  | ug/l   | 0.00     |
| Spiked Amount               | 50.000 |      | Recovery | =      | 64.50% |          |
| Target Compounds            |        |      |          |        |        |          |
|                             |        |      |          |        | Qvalue |          |
| 16) Acetone                 | 3.15   | 43   | 87128    | 47.760 | ug/l   | 97       |
| 20) Methylene Chloride      | 3.71   | 84   | 159418   | 5.928  | ug/l   | 99       |
| 25) 2-Butanone              | 5.61   | 43   | 48175    | 9.786  | ug/l   | 99       |
| 39) Methylcyclohexane       | 8.03   | 83   | 86709    | 4.546  | ug/l   | 97       |
| 68) m/p-Xylenes             | 11.56  | 106  | 20047    | 1.228  | ug/l   | 92       |
| 69) o-Xylene                | 11.93  | 106  | 20172    | 1.247  | ug/l   | 92       |
| 73) Isopropylbenzene        | 12.27  | 105  | 59367    | 1.722  | ug/l   | 100      |
| 78) n-propylbenzene         | 12.63  | 91   | 90008    | 2.076  | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene  | 12.79  | 105  | 94458    | 3.574  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene  | 13.09  | 105  | 337248   | 11.957 | ug/l   | 98       |
| 86) p-Isopropyltoluene      | 13.34  | 119  | 82457    | 2.805  | ug/l # | 88       |
| 89) n-Butylbenzene          | 13.65  | 91   | 132452m  | 2.286  | ug/l   |          |

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

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