

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD122818\  
 Data File : VD060750.D  
 Acq On : 28 Dec 2018 16:59  
 Operator : VA/AP  
 Sample : J6590-01  
 Misc : 5.85g/5ml/MSVOA D/SOIL  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 AOC2-06A

Manual Integrations  
 APPROVED

apatel  
 1/2/2019 1:14:47 PM

Quant Time: Dec 29 03:06:27 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_D\METHOD\82D122018S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Dec 21 17:37:47 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 6.43  | 168  | 337509   | 50.00 | ug/l  | 0.02     |
| 34) 1,4-Difluorobenzene    | 7.48  | 114  | 1369941  | 50.00 | ug/l  | 0.04     |
| 63) Chlorobenzene-d5       | 11.32 | 117  | 943251   | 50.00 | ug/l  | 0.04     |
| 72) 1,4-Dichlorobenzene-d4 | 13.40 | 152  | 349314   | 50.00 | ug/l  | 0.02     |

## System Monitoring Compounds

|                           |        |     |          |        |         |      |
|---------------------------|--------|-----|----------|--------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 6.82   | 65  | 336622   | 144.32 | ug/l    | 0.03 |
| Spiked Amount             | 50.000 |     | Recovery | =      | 288.64% |      |
| 35) Dibromofluoromethane  | 6.35   | 113 | 515569   | 51.42  | ug/l    | 0.02 |
| Spiked Amount             | 50.000 |     | Recovery | =      | 102.84% |      |
| 50) Toluene-d8            | 9.52   | 98  | 463082   | 15.48  | ug/l    | 0.06 |
| Spiked Amount             | 50.000 |     | Recovery | =      | 30.96%  |      |
| 62) 4-Bromofluorobenzene  | 12.44  | 95  | 843825m  | 80.53  | ug/l    | 0.02 |
| Spiked Amount             | 50.000 |     | Recovery | =      | 161.06% |      |

## Target Compounds

|                            |       |     |          |           |        | Qvalue |
|----------------------------|-------|-----|----------|-----------|--------|--------|
| 16) Acetone                | 3.14  | 43  | 5014029  | 12309.630 | ug/l # | 62     |
| 25) 2-Butanone             | 5.62  | 43  | 5299762  | 6799.383  | ug/l # | 62     |
| 39) Methylcyclohexane      | 8.13  | 83  | 14455658 | 898.499   | ug/l # | 46     |
| 51) 4-Methyl-2-Pentanone   | 9.31  | 43  | 30098912 | 6488.837  | ug/l # | 47     |
| 59) 2-Hexanone             | 10.51 | 43  | 9358841  | 2882.457  | ug/l # | 35     |
| 67) Ethyl Benzene          | 11.47 | 91  | 4339446  | 121.586   | ug/l   | 96     |
| 68) m/p-Xylenes            | 11.60 | 106 | 1861952  | 142.753   | ug/l   | 98     |
| 69) o-Xylene               | 11.97 | 106 | 283292   | 22.893    | ug/l   | 87     |
| 73) Isopropylbenzene       | 12.30 | 105 | 7887258  | 317.130   | ug/l   | 99     |
| 78) n-propylbenzene        | 12.68 | 91  | 19958350 | 627.708   | ug/l # | 76     |
| 80) 1,3,5-Trimethylbenzene | 12.79 | 105 | 30555984 | 1591.053  | ug/l   | 81     |
| 84) 1,2,4-Trimethylbenzene | 13.14 | 105 | 17835817 | 901.722   | ug/l   | 83     |
| 85) sec-Butylbenzene       | 13.25 | 105 | 5899081  | 221.316   | ug/l   | 96     |
| 86) p-Isopropyltoluene     | 13.37 | 119 | 3682196  | 171.138   | ug/l   | 92     |
| 89) n-Butylbenzene         | 13.69 | 91  | 9078364  | 412.895   | ug/l   | 95     |
| 95) Naphthalene            | 14.97 | 128 | 19565    | 2.140     | ug/l # | 79     |

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

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