

Data File : VW006925.D  
Acq On : 16 Nov 2018 19:04  
Operator : SY/AP  
Sample : J5979-06  
Misc : 5.00G/10ML/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :

Quant Time: Nov 17 01:49:26 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM111418S.M  
Quant Title : VOC Analysis  
QLast Update : Fri Nov 16 23:51:03 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.85  | 114  | 144148   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 115393   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 36360    | 25.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 32692    | 25.54    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 102.16% |
| 7) Chloroethane-d5             | 2.89   | 69    | 26241    | 28.22    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 112.88% |
| 10) 1,1-Dichloroethene-d2      | 4.03   | 63    | 63344    | 18.53    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 74.12%  |
| 20) 2-Butanone-d5              | 7.09   | 46    | 18769    | 26.61    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 53.22%  |
| 24) Chloroform-d               | 7.65   | 84    | 80560    | 25.24    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 100.96% |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 48470    | 26.91    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 107.64% |
| 29) Benzene-d6                 | 8.28   | 84    | 164132   | 27.21    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 108.84% |
| 33) 1,2-Dichloropropane-d6     | 9.28   | 67    | 51115    | 27.68    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 110.72% |
| 37) Toluene-d8                 | 10.33  | 98    | 152886   | 24.75    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 99.00%  |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 16488    | 20.79    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 83.16%  |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 14941    | 32.48    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 64.96%  |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 34488    | 21.58    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 86.32%  |
| 61) 1,2-Dichlorobenzene-d4     | 13.86  | 152   | 31288    | 22.72    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 90.88%  |

| Target Compounds       |      |    |       |        |      | Qvalue |
|------------------------|------|----|-------|--------|------|--------|
| 13) Acetone            | 4.14 | 43 | 9629  | 21.192 | ug/L | 72     |
| 16) Methylene chloride | 4.92 | 84 | 4102m | 1.627  | ug/L |        |
| 21) 2-Butanone         | 7.17 | 43 | 6021m | 7.680  | ug/L |        |

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

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