

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_V\DATA\VV121918\  
 Data File : VV009061.D  
 Acq On : 19 Dec 2018 21:29  
 Operator : SY/MD  
 Sample : J6471-01  
 Misc : 5.64G/10ML/MSVOA\_V/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 F9H10

Quant Time: Dec 20 03:57:20 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOM2VLM120618S.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Dec 20 03:44:50 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.66  | 114  | 211847   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.90  | 117  | 176087   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 59855    | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 46119    | 21.04    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 84.16%  |
| 7) Chloroethane-d5             | 1.58   | 69    | 51253    | 31.65    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 126.60% |
| 10) 1,1-Dichloroethene-d2      | 2.13   | 63    | 100237   | 18.29    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 73.16%  |
| 20) 2-Butanone-d5              | 3.94   | 46    | 22465    | 28.15    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 56.30%  |
| 24) Chloroform-d               | 4.40   | 84    | 121022   | 23.76    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 95.04%  |
| 26) 1,2-Dichloroethane-d4      | 5.08   | 65    | 70261    | 25.28    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 101.12% |
| 29) Benzene-d6                 | 5.10   | 84    | 238915   | 24.29    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 97.16%  |
| 33) 1,2-Dichloropropane-d6     | 6.12   | 67    | 70945    | 25.77    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 103.08% |
| 37) Toluene-d8                 | 7.36   | 98    | 204749   | 22.50    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 90.00%  |
| 38) trans-1,3-Dichloropropene- | 7.66   | 79    | 27343    | 22.60    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 90.40%  |
| 39) 2-Hexanone-d5              | 8.14   | 63    | 14254    | 28.26    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 56.52%  |
| 48) 1,1,2,2-Tetrachloroethane- | 10.26  | 84    | 49292    | 21.34    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 85.36%  |
| 61) 1,2-Dichlorobenzene-d4     | 11.68  | 152   | 51329    | 22.85    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 91.40%  |

| Target Compounds       |      |    |      |            | Qvalue |
|------------------------|------|----|------|------------|--------|
| 13) Acetone            | 2.20 | 43 | 4439 | 3.775 ug/L | 92     |
| 16) Methylene chloride | 2.53 | 84 | 7597 | 2.130 ug/L | 94     |

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

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