

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072718\  
 Data File : VW004234.D  
 Acq On : 26 Jul 2018 18:02  
 Operator : SY/AP  
 Sample : J4169-02  
 Misc : 5.46G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 BEY57

Quant Time: Jul 27 03:43:21 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM072618S.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Jul 27 02:54:01 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.85  | 114  | 316154   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 298287   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.57 | 152  | 119753   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.34   | 65    | 77705    | 24.41    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 97.64%  |
| 7) Chloroethane-d5             | 2.89   | 69    | 56037    | 24.21    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 96.84%  |
| 10) 1,1-Dichloroethene-d2      | 4.00   | 63    | 139158   | 18.32    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 73.28%  |
| 20) 2-Butanone-d5              | 7.08   | 46    | 93714    | 52.01    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 104.02% |
| 24) Chloroform-d               | 7.65   | 84    | 204198   | 25.23    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 100.92% |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 128380   | 26.37    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 105.48% |
| 29) Benzene-d6                 | 8.27   | 84    | 398196   | 25.19    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 100.76% |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 135217   | 25.72    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 102.88% |
| 37) Toluene-d8                 | 10.33  | 98    | 360494   | 24.13    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 96.52%  |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 58164    | 24.37    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 97.48%  |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 72409    | 52.40    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 104.80% |
| 48) 1,1,2,2-Tetrachloroethane- | 12.70  | 84    | 133440   | 24.85    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 99.40%  |
| 61) 1,2-Dichlorobenzene-d4     | 13.86  | 152   | 117388   | 26.22    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 104.88% |

| Target Compounds      |       |     |        |       |      | Ovalue |
|-----------------------|-------|-----|--------|-------|------|--------|
| 13) Acetone           | 4.12  | 43  | 19020  | 10.45 | ug/L | 95     |
| 21) 2-Butanone        | 7.18  | 43  | 6833   | 2.98  | ug/L | 92     |
| 35) Trichloroethene   | 9.09  | 95  | 26027  | 5.77  | ug/L | 99     |
| 47) Tetrachloroethene | 10.87 | 164 | 184550 | 51.14 | ug/L | 97     |

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

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