

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_W\DATA\VW072420\  
 Data File : VW015943.D  
 Acq On : 24 Jul 2020 12:28  
 Operator : SY/VA  
 Sample : L3388-16  
 Misc : 5.03G/10ML/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 C0AE3

Quant Time: Jul 25 05:43:04 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM072020S.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Jul 25 05:14:30 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.85  | 114  | 475549   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 404994   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 142594   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |        |
|--------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 2.36   | 65    | 148751   | 22.17    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 88.68% |
| 7) Chloroethane-d5             | 2.90   | 69    | 117829   | 21.62    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 86.48% |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 221106   | 16.30    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 65.20% |
| 20) 2-Butanone-d5              | 7.09   | 46    | 62837    | 35.65    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 71.30% |
| 24) Chloroform-d               | 7.65   | 84    | 275607   | 20.64    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 82.56% |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 147542   | 20.12    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 80.48% |
| 29) Benzene-d6                 | 8.28   | 84    | 571966   | 23.20    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 92.80% |
| 33) 1,2-Dichloropropane-d6     | 9.28   | 67    | 171551   | 23.21    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 92.84% |
| 37) Toluene-d8                 | 10.33  | 98    | 486161   | 21.77    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 87.08% |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 62874    | 19.96    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 79.84% |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 48335    | 39.28    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 78.56% |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 111809   | 19.68    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 78.72% |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 118814   | 21.37    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 85.48% |

| Target Compounds       |       |    |       |            | Qvalue |
|------------------------|-------|----|-------|------------|--------|
| 13) Acetone            | 4.14  | 43 | 7322  | 4.946 ug/L | 98     |
| 16) Methylene chloride | 4.92  | 84 | 20032 | 2.571 ug/L | 95     |
| 53) Ethylbenzene       | 11.73 | 91 | 12708 | 0.438 ug/L | 89     |

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

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