

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW102219\  
 Data File : VW013656.D  
 Acq On : 22 Oct 2019 15:37  
 Operator : SY/VA  
 Sample : K5422-10  
 Misc : 4.93G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 C0AC1

Manual Integrations  
 APPROVED

MMDadoda  
 10/26/2019 1:03:19 AM

Quant Time: Oct 22 16:30:36 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM101819S.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Oct 22 14:36:27 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 306598   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 267865   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 123410   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.36   | 65    | 107471   | 28.57    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 114.28% |
| 7) Chloroethane-d5             | 2.89   | 69    | 92691    | 26.40    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 105.60% |
| 10) 1,1-Dichloroethene-d2      | 4.03   | 63    | 168080   | 20.23    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 80.92%  |
| 20) 2-Butanone-d5              | 7.09   | 46    | 47072    | 34.99    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 69.98%  |
| 24) Chloroform-d               | 7.65   | 84    | 221740   | 25.85    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 103.40% |
| 26) 1,2-Dichloroethane-d4      | 8.30   | 65    | 106875   | 23.82    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 95.28%  |
| 29) Benzene-d6                 | 8.27   | 84    | 480980   | 29.89    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 119.56% |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 139948   | 29.12    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 116.48% |
| 37) Toluene-d8                 | 10.32  | 98    | 423970   | 28.56    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 114.24% |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 48885    | 22.55    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 90.20%  |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 36961    | 40.23    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 80.46%  |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 87102    | 22.13    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 88.52%  |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 113536   | 26.03    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 104.12% |

| Target Compounds     |      |    |        |            | Ovalue |
|----------------------|------|----|--------|------------|--------|
| 13) Acetone          | 4.13 | 43 | 13639m | 9.134 ug/L |        |
| 14) Carbon disulfide | 4.38 | 76 | 9049   | 0.649 ug/L | 98     |

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

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