

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW102919\  
 Data File : VW013793.D  
 Acq On : 29 Oct 2019 15:09  
 Operator : SY/VA  
 Sample : K5535-10  
 Misc : 5.00G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 BEK32

Manual Integrations  
 APPROVED

MMDadoda  
 10/30/2019 11:11:42 AM

Quant Time: Oct 30 06:37:58 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM101819S.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Oct 30 06:58:53 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 310141   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 274477   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 112952   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 101556   | 26.69    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 106.76% |
| 7) Chloroethane-d5             | 2.89   | 69    | 83446    | 23.49    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 93.96%  |
| 10) 1,1-Dichloroethene-d2      | 4.02   | 63    | 150402   | 17.90    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 71.60%  |
| 20) 2-Butanone-d5              | 7.07   | 46    | 59467    | 43.69    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 87.38%  |
| 24) Chloroform-d               | 7.65   | 84    | 206649   | 23.81    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 95.24%  |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 107963   | 23.79    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 95.16%  |
| 29) Benzene-d6                 | 8.27   | 84    | 435424   | 26.40    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 105.60% |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 130487   | 26.49    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 105.96% |
| 37) Toluene-d8                 | 10.32  | 98    | 381839   | 25.11    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 100.44% |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 50947    | 22.93    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 91.72%  |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 46396    | 49.28    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 98.56%  |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 96816    | 24.00    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 96.00%  |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 97300    | 24.38    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 97.52%  |

| Target Compounds       |       |     |        |            | Ovalue |
|------------------------|-------|-----|--------|------------|--------|
| 16) Methylene chloride | 4.92  | 84  | 11213m | 1.888 ug/L |        |
| 54) m,p-Xylene         | 11.84 | 106 | 4254   | 0.471 ug/L | 72     |

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

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