

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW102519\  
 Data File : VW013744.D  
 Acq On : 25 Oct 2019 13:29  
 Operator : SY/VA  
 Sample : K5535-11  
 Misc : 6.46G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 BEK33

Quant Time: Oct 26 04:49:31 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM101819S.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Oct 26 03:37:49 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 339502   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 263734   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 78989    | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 115851   | 27.81    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 111.24% |
| 7) Chloroethane-d5             | 2.89   | 69    | 95430    | 24.54    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 98.16%  |
| 10) 1,1-Dichloroethene-d2      | 4.02   | 63    | 171764   | 18.67    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 74.68%  |
| 20) 2-Butanone-d5              | 7.08   | 46    | 40634    | 27.27    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 54.54%  |
| 24) Chloroform-d               | 7.65   | 84    | 221008   | 23.26    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 93.04%  |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 106222   | 21.38    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 85.52%  |
| 29) Benzene-d6                 | 8.27   | 84    | 477286   | 30.12    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 120.48% |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 136014   | 28.74    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 114.96% |
| 37) Toluene-d8                 | 10.32  | 98    | 402030   | 27.51    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 110.04% |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 47111    | 22.07    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 88.28%  |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 31208    | 34.50    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 69.00%  |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 74140    | 19.13    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 76.52%  |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 64359    | 23.06    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 92.24%  |

## Target Compounds

|                  |       |     |       |             | Ovalue |
|------------------|-------|-----|-------|-------------|--------|
| 13) Acetone      | 4.13  | 43  | 14575 | 8.815 ug/L  | 96     |
| 34) Benzene      | 8.32  | 78  | 8226  | 0.435 ug/L  | 100    |
| 44) Toluene      | 10.39 | 91  | 21293 | 1.047 ug/L  | 91     |
| 53) Ethylbenzene | 11.73 | 91  | 44661 | 1.988 ug/L  | 99     |
| 54) m,p-Xylene   | 11.83 | 106 | 89925 | 10.359 ug/L | 98     |
| 55) o-xylene     | 12.16 | 106 | 31872 | 3.869 ug/L  | 99     |

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

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