

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV050719\  
 Data File : VV010718.D  
 Acq On : 08 May 2019 06:51  
 Operator : SY/MD  
 Sample : K2634-05  
 Misc : 5.10G/10ML/MSVOA V/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 GAJB4

Quant Time: May 08 09:09:59 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOM2VLM050719S.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed May 08 04:57:22 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.66  | 114  | 54651    | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.89  | 117  | 59098    | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.29 | 152  | 26982    | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.31   | 65    | 8738     | 10.29    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 41.16%  |
| 7) Chloroethane-d5             | 1.56   | 69    | 10626    | 15.21    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 60.84%  |
| 10) 1,1-Dichloroethene-d2      | 2.12   | 63    | 13862    | 7.53     | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 30.12%# |
| 20) 2-Butanone-d5              | 3.93   | 46    | 13066    | 51.29    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 102.58% |
| 24) Chloroform-d               | 4.39   | 84    | 33925    | 22.77    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 91.08%  |
| 26) 1,2-Dichloroethane-d4      | 5.08   | 65    | 24090    | 25.89    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 103.56% |
| 29) Benzene-d6                 | 5.09   | 84    | 61322    | 19.71    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 78.84%  |
| 33) 1,2-Dichloropropane-d6     | 6.11   | 67    | 23950    | 24.16    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 96.64%  |
| 37) Toluene-d8                 | 7.36   | 98    | 53827    | 18.07    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 72.28%  |
| 38) trans-1,3-Dichloropropene- | 7.66   | 79    | 8339     | 18.45    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 73.80%  |
| 39) 2-Hexanone-d5              | 8.13   | 63    | 7724     | 37.24    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 74.48%  |
| 48) 1,1,2,2-Tetrachloroethane- | 10.26  | 84    | 20475    | 21.98    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 87.92%  |
| 61) 1,2-Dichlorobenzene-d4     | 11.67  | 152   | 23019    | 22.03    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 88.12%  |

| Target Compounds       |      |     |      |            | Ovalue |
|------------------------|------|-----|------|------------|--------|
| 16) Methylene chloride | 2.52 | 84  | 2367 | 2.801 ug/L | 91     |
| 54) m,p-Xylene         | 9.18 | 106 | 1911 | 1.120 ug/L | 95     |
| 55) o-xylene           | 9.59 | 106 | 2999 | 1.771 ug/L | 90     |

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

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