

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV041819\  
 Data File : VV010367.D  
 Acq On : 18 Apr 2019 23:32  
 Operator : SY/MD  
 Sample : K2402-14RE  
 Misc : 5.10G/10mL/MSVOA V/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 GAHJ4RE

Quant Time: Apr 19 08:53:04 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOM2VLM041819S.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Apr 19 06:08:59 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.66  | 114  | 109510   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.89  | 117  | 135161   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 62298    | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 7224     | 5.19     | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 20.76%# |
| 7) Chloroethane-d5             | 1.58   | 69    | 15600    | 13.36    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 53.44%  |
| 10) 1,1-Dichloroethene-d2      | 2.13   | 63    | 20960    | 6.25     | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 25.00%# |
| 20) 2-Butanone-d5              | 3.94   | 46    | 22049    | 50.91    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 101.82% |
| 24) Chloroform-d               | 4.40   | 84    | 66431    | 23.07    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 92.28%  |
| 26) 1,2-Dichloroethane-d4      | 5.08   | 65    | 51837    | 30.50    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 122.00% |
| 29) Benzene-d6                 | 5.10   | 84    | 103145   | 14.91    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 59.64%  |
| 33) 1,2-Dichloropropane-d6     | 6.12   | 67    | 44271    | 21.86    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 87.44%  |
| 37) Toluene-d8                 | 7.36   | 98    | 94086    | 14.15    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 56.60%  |
| 38) trans-1,3-Dichloropropene- | 7.66   | 79    | 15560    | 15.62    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 62.48%  |
| 39) 2-Hexanone-d5              | 8.13   | 63    | 12581    | 27.91    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 55.82%  |
| 48) 1,1,2,2-Tetrachloroethane- | 10.26  | 84    | 51857    | 25.61    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 102.44% |
| 61) 1,2-Dichlorobenzene-d4     | 11.67  | 152   | 55226    | 22.55    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 90.20%  |

| Target Compounds       |      |    |       |            | Ovalue |
|------------------------|------|----|-------|------------|--------|
| 13) Acetone            | 2.19 | 43 | 2209  | 4.833 ug/L | 76     |
| 16) Methylene chloride | 2.53 | 84 | 10091 | 5.769 ug/L | 96     |

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

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