

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV041819\  
 Data File : VV010372.D  
 Acq On : 19 Apr 2019 03:47  
 Operator : SY/MD  
 Sample : K2402-08MS  
 Misc : 5.03G/10mL/MSVOA V/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 GAHH9MS

Quant Time: Apr 19 09:27:50 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOM2VLM041819S.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Apr 19 09:02:02 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T. | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 0.00 | 114  | 0        | 0.00  | ug/L  | -5.66    |
| 28) Chlorobenzene-d5       | 8.95 | 117  | 80       | 25.00 | ug/L  | 0.05     |
| 60) 1,4-Dichlorobenzene-d4 | 0.00 | 152  | 0        | 0.00  | ug/L  | -11.30   |

## System Monitoring Compounds

|                                |        |       |          |          |      |          |
|--------------------------------|--------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 0.00   | 65    | 0        | 0.00     | ug/L |          |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 0.00%#   |
| 7) Chloroethane-d5             | 0.00   | 69    | 0        | 0.00     | ug/L |          |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 0.00%#   |
| 10) 1,1-Dichloroethene-d2      | 2.13   | 63    | 51       | 0.00     | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 0.00%#   |
| 20) 2-Butanone-d5              | 3.93   | 46    | 55       | 0.00     | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 0.00%#   |
| 24) Chloroform-d               | 0.00   | 84    | 0        | 0.00     | ug/L |          |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 0.00%#   |
| 26) 1,2-Dichloroethane-d4      | 5.10   | 65    | 57       | 0.00     | ug/L | 0.02     |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 0.00%#   |
| 29) Benzene-d6                 | 5.12   | 84    | 42       | 10.26    | ug/L | 0.03     |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 41.04%   |
| 33) 1,2-Dichloropropane-d6     | 0.00   | 67    | 0        | 0.00     | ug/L |          |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 0.00%#   |
| 37) Toluene-d8                 | 0.00   | 98    | 0        | 0.00     | ug/L |          |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 0.00%#   |
| 38) trans-1,3-Dichloropropene- | 0.00   | 79    | 0        | 0.00     | ug/L |          |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 0.00%#   |
| 39) 2-Hexanone-d5              | 0.00   | 63    | 0        | 0.00     | ug/L |          |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 0.00%#   |
| 48) 1,1,2,2-Tetrachloroethane- | 10.26  | 84    | 98       | 81.76    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 327.04%# |
| 61) 1,2-Dichlorobenzene-d4     | 0.00   | 152   | 0        | 0.00     | ug/L |          |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 0.00%#   |

## Target Compounds

|                          |      |     |    |                | Ovalue |
|--------------------------|------|-----|----|----------------|--------|
| 30) Cyclohexane          | 4.54 | 56  | 75 | 51.153 ug/L #  | 14     |
| 34) Benzene              | 5.20 | 78  | 43 | 11.015 ug/L    | 100    |
| 43) 4-Methyl-2-pentanone | 7.26 | 43  | 48 | 61.359 ug/L #  | 45     |
| 49) 2-Hexanone           | 7.96 | 43  | 64 | 116.881 ug/L # | 37     |
| 50) Dibromochloromethane | 8.06 | 129 | 44 | 39.728 ug/L #  | 12     |
| 53) Ethylbenzene         | 8.89 | 91  | 43 | 8.600 ug/L #   | 42     |

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

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