

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV092519\  
 Data File : VV012972.D  
 Acq On : 25 Sep 2019 13:08  
 Operator : SY/MD  
 Sample : K4958-04RE  
 Misc : 3.61G/10ML/MSVOA V/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 ESNY2RE

Quant Time: Sep 26 02:26:53 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOM2VLM092319S.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Sep 26 01:10:53 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.66  | 114  | 721234   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.89  | 117  | 493871   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.29 | 152  | 98358    | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 214887   | 19.20    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 76.80%  |
| 7) Chloroethane-d5             | 1.58   | 69    | 203508   | 22.49    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 89.96%  |
| 10) 1,1-Dichloroethene-d2      | 2.13   | 63    | 276399   | 14.85    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 59.40%  |
| 20) 2-Butanone-d5              | 3.95   | 46    | 60359    | 15.62    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 31.24%  |
| 24) Chloroform-d               | 4.40   | 84    | 412265   | 20.81    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 83.24%  |
| 26) 1,2-Dichloroethane-d4      | 5.08   | 65    | 220585   | 19.15    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 76.60%  |
| 29) Benzene-d6                 | 5.10   | 84    | 806889   | 29.26    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 117.04% |
| 33) 1,2-Dichloropropane-d6     | 6.11   | 67    | 258027   | 29.85    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 119.40% |
| 37) Toluene-d8                 | 7.36   | 98    | 565493   | 22.59    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 90.36%  |
| 38) trans-1,3-Dichloropropene- | 7.66   | 79    | 55991    | 15.30    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 61.20%  |
| 39) 2-Hexanone-d5              | 8.13   | 63    | 33056    | 19.01    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 38.02%  |
| 48) 1,1,2,2-Tetrachloroethane- | 10.26  | 84    | 133840   | 16.30    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 65.20%  |
| 61) 1,2-Dichlorobenzene-d4     | 11.67  | 152   | 65764    | 17.21    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 68.84%# |

| Target Compounds       |      |    |       |              | Ovalue |
|------------------------|------|----|-------|--------------|--------|
| 13) Acetone            | 2.20 | 43 | 32093 | 7.815 ug/L   | 98     |
| 16) Methylene chloride | 2.54 | 84 | 27655 | 2.565 ug/L   | 96     |
| 21) 2-Butanone         | 4.01 | 43 | 36411 | 7.618 ug/L # | 58     |

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV092519\  
Data File : VV012972.D  
Acq On : 25 Sep 2019 13:08  
Operator : SY/MD  
Sample : K4958-04RE  
Misc : 3.61G/10ML/MSVOA V/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
ESNY2RE

Quant Time: Sep 26 02:26:53 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOM2VLM092319S.M  
Quant Title : VOC Analysis  
QLast Update : Thu Sep 26 01:10:53 2019  
Response via : Initial Calibration

