

Data File : VU030840.D  
Acq On : 07 Apr 2019 06:51  
Operator : JC/SP  
Sample : K2249-14  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 50 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :

Quant Time: Apr 08 09:25:26 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM040519WMA.M  
Quant Title : VOC Analysis  
QLast Update : Mon Apr 08 07:03:53 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.88  | 114  | 479357   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 463885   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 219303   | 50.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40    | 65    | 219689   | 51.34    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 102.68% |
| 7) Chloroethane-d5             | 1.68    | 69    | 164518   | 50.66    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 101.32% |
| 11) 1,1-Dichloroethene-d2      | 2.27    | 63    | 364525   | 47.10    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 94.20%  |
| 21) 2-Butanone-d5              | 4.17    | 46    | 348115   | 102.65   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 102.65% |
| 24) Chloroform-d               | 4.64    | 84    | 315362   | 48.25    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 96.50%  |
| 26) 1,2-Dichloroethane-d4      | 5.30    | 65    | 225686   | 50.60    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 101.20% |
| 32) Benzene-d6                 | 5.33    | 84    | 669590   | 49.44    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 98.88%  |
| 36) 1,2-Dichloropropane-d6     | 6.32    | 67    | 232128   | 50.02    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 100.04% |
| 41) Toluene-d8                 | 7.56    | 98    | 569846   | 47.47    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 94.94%  |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 90607    | 42.82    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 85.64%  |
| 47) 2-Hexanone-d5              | 8.31    | 63    | 192515   | 90.76    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 90.76%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43   | 84    | 313292   | 50.05    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 100.10% |
| 64) 1,2-Dichlorobenzene-d4     | 11.85   | 152   | 210380   | 48.78    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 97.56%  |

#### Target Compounds

|                              |      |     |         |          |      | Qvalue |
|------------------------------|------|-----|---------|----------|------|--------|
| 5) Vinyl chloride            | 1.40 | 62  | 807608  | 153.184  | ug/L | 98     |
| 8) Chloroethane              | 1.69 | 64  | 482019  | 160.299  | ug/L | 99     |
| 12) 1,1-Dichloroethene       | 2.28 | 96  | 114211m | 34.468   | ug/L |        |
| 13) Acetone                  | 2.32 | 43  | 15201   | 4.380    | ug/L | 100    |
| 15) Methyl Acetate           | 2.62 | 43  | 7003    | 1.301    | ug/L | 94     |
| 17) trans-1,2-Dichloroethene | 2.98 | 96  | 42764   | 12.155   | ug/L | 99     |
| 19) 1,1-Dichloroethane       | 3.44 | 63  | 7193808 | 990.790  | ug/L | 98     |
| 20) cis-1,2-Dichloroethene   | 4.22 | 96  | 6846383 | 1762.367 | ug/L | 98     |
| 27) 1,2-Dichloroethane       | 5.41 | 62  | 16126   | 2.895    | ug/L | 99     |
| 30) 1,1,1-Trichloroethane    | 4.91 | 97  | 3021037 | 534.380  | ug/L | 100    |
| 33) Benzene                  | 5.39 | 78  | 19118   | 1.259    | ug/L | 100    |
| 34) Trichloroethene          | 6.19 | 95  | 7457    | 2.003    | ug/L | 95     |
| 35) Methylcyclohexane        | 6.41 | 83  | 3927m   | 0.683    | ug/L |        |
| 40) 4-Methyl-2-pentanone     | 7.47 | 43  | 8328    | 1.205    | ug/L | 96     |
| 42) Toluene                  | 7.63 | 91  | 532629  | 34.373   | ug/L | 99     |
| 46) Tetrachloroethene        | 8.22 | 164 | 16334   | 6.034    | ug/L | 88     |
| 52) Ethylbenzene             | 9.25 | 91  | 360474  | 21.342   | ug/L | 100    |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_U\DATA\VU040719\  
Quantitation Report (QT Reviewed)

Data File : VU030840.D  
Acq On : 07 Apr 2019 06:51  
Operator : JC/SP  
Sample : K2249-14  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 50 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :

Quant Time: Apr 08 09:25:26 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM040519WMA.M  
Quant Title : VOC Analysis  
QLast Update : Mon Apr 08 07:03:53 2019  
Response via : Initial Calibration

| Internal Standards   | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------|-------|------|----------|--------|-------|----------|
| 53) m,p-Xylene       | 9.37  | 106  | 427140   | 72.509 | ug/L  | 95       |
| 54) o-xylene         | 9.77  | 106  | 255448   | 43.595 | ug/L  | 99       |
| 56) Isopropylbenzene | 10.16 | 105  | 42179    | 2.734  | ug/L  | 99       |

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

Data File : VU030840.D  
Acq On : 07 Apr 2019 06:51  
Operator : JC/SP  
Sample : K2249-14  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 50 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampled :

Quant Time: Apr 08 09:25:26 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM040519WMA.M  
Quant Title : VOC Analysis  
QLast Update : Mon Apr 08 07:03:53 2019  
Response via : Initial Calibration

