

Data File : VU037061.D  
Acq On : 05 Mar 2020 00:51  
Operator : JC/MD  
Sample : L1780-09  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 33 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :

Quant Time: Mar 05 03:59:17 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM022420WMA.M  
Quant Title : VOC Analysis  
QLast Update : Thu Mar 05 02:52:45 2020  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.29  | 114  | 288366   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.47  | 117  | 297148   | 50.00 | ug/L  | 0.04     |
| 60) 1,4-Dichlorobenzene-d4 | 11.83 | 152  | 137230   | 50.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.61    | 65    | 91928    | 37.96    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 75.92%  |
| 7) Chloroethane-d5             | 1.92    | 69    | 91079    | 45.46    | ug/L | 0.01    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 90.92%  |
| 11) 1,1-Dichloroethene-d2      | 2.58    | 63    | 130532   | 32.19    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 64.38%  |
| 21) 2-Butanone-d5              | 4.67    | 46    | 154789   | 95.29    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 95.29%  |
| 24) Chloroform-d               | 5.10    | 84    | 170976   | 46.24    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 92.48%  |
| 26) 1,2-Dichloroethane-d4      | 5.75    | 65    | 58269    | 23.28    | ug/L | 0.01    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 46.56%# |
| 32) Benzene-d6                 | 5.80    | 84    | 408934   | 47.59    | ug/L | 0.04    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 95.18%  |
| 36) 1,2-Dichloropropane-d6     | 6.73    | 67    | 125820   | 45.19    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 90.38%  |
| 41) Toluene-d8                 | 7.92    | 98    | 352942   | 44.27    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 88.54%  |
| 43) trans-1,3-Dichloropropene- | 8.20    | 79    | 53418    | 41.29    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 82.58%  |
| 47) 2-Hexanone-d5              | 8.66    | 63    | 111140   | 81.65    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 81.65%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.77   | 84    | 170536   | 43.45    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 86.90%  |
| 64) 1,2-Dichlorobenzene-d4     | 12.21   | 152   | 119741   | 44.64    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 89.28%  |

#### Target Compounds

|                              |       |     |           |               | Qvalue |
|------------------------------|-------|-----|-----------|---------------|--------|
| 3) Chloromethane             | 1.53  | 50  | 3772      | 1.340 ug/L    | 90     |
| 12) 1,1-Dichloroethene       | 2.60  | 96  | 12203     | 6.552 ug/L #  | 1      |
| 13) Acetone                  | 2.66  | 43  | 4256      | 2.547 ug/L    | 95     |
| 17) trans-1,2-Dichloroethene | 3.38  | 96  | 2536      | 1.267 ug/L    | 93     |
| 20) cis-1,2-Dichloroethene   | 4.71  | 96  | 3858      | 1.724 ug/L    | 99     |
| 29) Cyclohexane              | 5.43  | 56  | 10013     | 2.539 ug/L    | 99     |
| 33) Benzene                  | 5.80  | 78  | 57795532m | 6156.737 ug/L |        |
| 34) Trichloroethene          | 6.58  | 95  | 4809      | 2.084 ug/L    | 93     |
| 42) Toluene                  | 8.00  | 91  | 9826      | 0.982 ug/L    | 96     |
| 51) Chlorobenzene            | 9.47  | 112 | 42071457m | 7099.597 ug/L |        |
| 62) 1,3-Dichlorobenzene      | 11.76 | 146 | 871313    | 195.725 ug/L  | 99     |
| 63) 1,4-Dichlorobenzene      | 11.86 | 146 | 16079108m | 3655.803 ug/L |        |
| 65) 1,2-Dichlorobenzene      | 12.24 | 146 | 8426326   | 1895.724 ug/L | 97     |
| 68) 1,2,4-trichlorobenzene   | 13.87 | 180 | 96276     | 45.476 ug/L   | 99     |
| 70) 1,2,3-Trichlorobenzene   | 14.36 | 180 | 4958      | 2.344 ug/L    | 98     |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_U\DATA\VU030420\  
Quantitation Report (QT Reviewed)

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| Internal Standards                                                   | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------------------------------------------------|------|------|----------|------|-------|----------|
| -----                                                                |      |      |          |      |       |          |
| (#)=qualifier out of range (m)=manual integration (+)=signals summed |      |      |          |      |       |          |

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