

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV120220\  
 Data File : VV019453.D  
 Acq On : 02 Dec 2020 17:02  
 Operator : SY/MD  
 Sample : L4921-05DL 500X  
 Misc : 5.0mL/MSVOA V/WATER  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 C0FW4DL

Quant Time: Dec 03 07:05:56 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM112320WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Dec 03 05:50:19 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.64  | 114  | 361845   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.87  | 117  | 363069   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.27 | 152  | 174612   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32    | 65    | 137854   | 38.14    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 76.28%  |
| 7) Chloroethane-d5             | 1.58    | 69    | 131291   | 44.64    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 89.28%  |
| 11) 1,1-Dichloroethene-d2      | 2.12    | 63    | 229434   | 35.67    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 71.34%  |
| 21) 2-Butanone-d5              | 3.90    | 46    | 237644   | 107.89   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 107.89% |
| 24) Chloroform-d               | 4.37    | 84    | 283878   | 48.59    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 97.18%  |
| 26) 1,2-Dichloroethane-d4      | 5.05    | 65    | 197824   | 51.73    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 103.46% |
| 32) Benzene-d6                 | 5.07    | 84    | 548785   | 51.12    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 102.24% |
| 36) 1,2-Dichloropropane-d6     | 6.09    | 67    | 188455   | 52.77    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 105.54% |
| 41) Toluene-d8                 | 7.33    | 98    | 466203   | 48.48    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 96.96%  |
| 43) trans-1,3-Dichloropropene- | 7.64    | 79    | 83843    | 48.60    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 97.20%  |
| 47) 2-Hexanone-d5              | 8.10    | 63    | 133012   | 94.52    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 94.52%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.23   | 84    | 217973   | 47.15    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 94.30%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.64   | 152   | 182407   | 53.79    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 107.58% |

## Target Compounds

|                            |       |     |        |        | Ovalue   |
|----------------------------|-------|-----|--------|--------|----------|
| 33) Benzene                | 5.13  | 78  | 66046  | 6.079  | ug/L 100 |
| 51) Chlorobenzene          | 8.90  | 112 | 277133 | 37.271 | ug/L 100 |
| 62) 1,3-Dichlorobenzene    | 11.20 | 146 | 13220  | 2.602  | ug/L 98  |
| 63) 1,4-Dichlorobenzene    | 11.29 | 146 | 105175 | 19.699 | ug/L 97  |
| 65) 1,2-Dichlorobenzene    | 11.66 | 146 | 136768 | 26.224 | ug/L 96  |
| 68) 1,2,4-trichlorobenzene | 13.29 | 180 | 16690  | 5.098  | ug/L 99  |
| 70) 1,2,3-Trichlorobenzene | 13.77 | 180 | 4930   | 1.441  | ug/L 91  |

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

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