

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV020120\  
 Data File : VV014474.D  
 Acq On : 01 Feb 2020 00:57  
 Operator : SY/MD  
 Sample : L1323-11 10X  
 Misc : 5.00µ/5.0mL/100uL/5.0mL/MSVOA\_V/MEOH  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 GAT49

Quant Time: Feb 01 03:59:27 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM020120WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Feb 01 02:36:06 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.66  | 114  | 453280   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.89  | 117  | 423544   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.29 | 152  | 203659   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32    | 65    | 107328   | 42.64    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 85.28%  |
| 7) Chloroethane-d5             | 1.57    | 69    | 75306    | 48.11    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 96.22%  |
| 11) 1,1-Dichloroethene-d2      | 2.13    | 63    | 122350   | 36.41    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 72.82%  |
| 21) 2-Butanone-d5              | 3.92    | 46    | 196180   | 115.82   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 115.82% |
| 24) Chloroform-d               | 4.40    | 84    | 238503   | 44.76    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 89.52%  |
| 26) 1,2-Dichloroethane-d4      | 5.08    | 65    | 157983   | 49.23    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 98.46%  |
| 32) Benzene-d6                 | 5.09    | 84    | 531166   | 47.63    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 95.26%  |
| 36) 1,2-Dichloropropane-d6     | 6.11    | 67    | 169352   | 48.00    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 96.00%  |
| 41) Toluene-d8                 | 7.35    | 98    | 495127   | 48.09    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 96.18%  |
| 43) trans-1,3-Dichloropropene- | 7.66    | 79    | 84715    | 47.24    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 94.48%  |
| 47) 2-Hexanone-d5              | 8.12    | 63    | 161236   | 116.80   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 116.80% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.25   | 84    | 202505   | 44.55    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 89.10%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.67   | 152   | 180145   | 48.03    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 96.06%  |

## Target Compounds

|                       |      |     |         |         | Ovalue    |
|-----------------------|------|-----|---------|---------|-----------|
| 13) Acetone           | 2.18 | 43  | 3979    | 2.753   | ug/L 97   |
| 25) Chloroform        | 4.42 | 83  | 11668   | 2.123   | ug/L 98   |
| 29) Cyclohexane       | 4.73 | 56  | 3842    | 0.743   | ug/L # 82 |
| 33) Benzene           | 5.14 | 78  | 156853  | 12.551  | ug/L 100  |
| 35) Methylcyclohexane | 6.17 | 83  | 4046    | 0.771   | ug/L # 77 |
| 42) Toluene           | 7.43 | 91  | 1604241 | 122.626 | ug/L 99   |
| 52) Ethylbenzene      | 9.05 | 91  | 405325  | 27.605  | ug/L 99   |
| 53) m,p-Xylene        | 9.18 | 106 | 1132304 | 206.521 | ug/L 99   |
| 54) o-xylene          | 9.58 | 106 | 485200  | 89.311  | ug/L 100  |
| 55) Styrene           | 9.60 | 104 | 1839410 | 201.744 | ug/L 99   |
| 56) Isopropylbenzene  | 9.97 | 105 | 12079   | 0.870   | ug/L 98   |

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

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