

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL111021\  
 Data File : VL038012.D  
 Acq On : 10 Nov 2021 16:48  
 Operator : SY/AP  
 Sample : M4598-03DUPDL 10X  
 Misc : 400mL/MSVOA L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA L  
 ClientSampleId :  
 356-2DLDUP

Manual Integrations  
 APPROVED

Reviewed By : Semsettin Yesilyurt 11/11/2021  
 Supervised By : Mahesh Dadoda 11/17/2021

Quant Time: Nov 11 04:57:45 2021  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL110121A  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:  
 QLast Update : Tue Nov 02 05:54:07 2021  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.66  | 49   | 1551710  | 10.00 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 7.16  | 114  | 4430032  | 10.00 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 12.07 | 117  | 3895151  | 10.00 | ppbv  | 0.00     |

## System Monitoring Compounds

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| 68) 1-Bromo-4-Fluorobenzene | 14.40  | 95    | 2861272  | 10.11    | ppbv | 0.00    |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 101.10% |

## Target Compounds

|                              |       |     |         |        | Ovalue    |
|------------------------------|-------|-----|---------|--------|-----------|
| 3) Chlorodifluoromethane     | 2.99  | 51  | 734271m | 2.542  | ppbv      |
| 9) Propene                   | 3.01  | 41  | 177886  | 1.718  | ppbv 90   |
| 13) Ethanol                  | 3.60  | 45  | 152415m | 14.587 | ppbv      |
| 15) Acetone                  | 3.84  | 43  | 1554753 | 12.125 | ppbv # 81 |
| 17) tert-Butyl alcohol       | 4.29  | 59  | 75218m  | 0.564  | ppbv      |
| 19) Isopropyl Alcohol        | 3.97  | 45  | 100157  | 1.221  | ppbv # 85 |
| 20) Methylene Chloride       | 4.34  | 84  | 69113   | 0.982  | ppbv # 82 |
| 22) trans-1,2-Dichloroethene | 4.88  | 96  | 77044   | 0.993  | ppbv # 87 |
| 26) Hexane                   | 5.67  | 57  | 72371m  | 0.401  | ppbv      |
| 27) Carbon Disulfide         | 4.55  | 76  | 136551  | 0.767  | ppbv # 88 |
| 31) cis-1,2-Dichloroethene   | 5.54  | 61  | 24262m  | 0.147  | ppbv      |
| 34) 2-Butanone               | 5.23  | 43  | 927529  | 5.650  | ppbv 99   |
| 38) Trichloroethene          | 7.82  | 130 | 238935  | 1.596  | ppbv 97   |
| 51) 2-Hexanone               | 10.13 | 43  | 60234m  | 0.663  | ppbv      |
| 52) Tetrachloroethene        | 11.21 | 164 | 611624  | 4.469  | ppbv 97   |
| 53) Toluene                  | 9.79  | 91  | 397326  | 1.027  | ppbv 97   |
| 58) Ethyl Benzene            | 12.69 | 91  | 81145m  | 0.170  | ppbv      |
| 59) m/p-Xylene               | 12.95 | 91  | 253053m | 0.598  | ppbv      |
| 60) o-Xylene                 | 13.67 | 91  | 99298m  | 0.249  | ppbv      |
| 74) 1,2,4-Trimethylbenzene   | 16.74 | 105 | 60692m  | 0.135  | ppbv      |

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

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