

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_L\DATA\VL012722\  
 Data File : VL038303.D  
 Acq On : 27 Jan 2022 19:20  
 Operator : SY/AP  
 Sample : N1308-01  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 IA-1

Manual Integrations  
 APPROVED

Reviewed By : Semsettin Yesilyurt 01/28/2022  
 Supervised By : Mahesh Dadoda 01/28/2022

Quant Time: Jan 28 06:06:08 2022  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_L\METHODS\VL012422A  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:  
 QLast Update : Mon Jan 24 14:12:48 2022  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.65  | 49   | 788930   | 10.00 | ppbv  | -0.02    |
| 33) 1,4-Difluorobenzene | 7.15  | 114  | 1965516  | 10.00 | ppbv  | -0.03    |
| 55) Chlorobenzene-d5    | 12.06 | 117  | 1567176  | 10.00 | ppbv  | -0.03    |

## System Monitoring Compounds

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| 68) 1-Bromo-4-Fluorobenzene | 14.39  | 95    | 1229897  | 10.34    | ppbv | -0.03   |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 103.40% |

## Target Compounds

|                            | R.T.  | QIon | Response | Conc    | Units  | Qvalue |
|----------------------------|-------|------|----------|---------|--------|--------|
| 2) Dichlorodifluoromethane | 3.04  | 85   | 30854    | 0.184   | ppbv # | 85     |
| 3) Chlorodifluoromethane   | 2.98  | 51   | 43362m   | 0.276   | ppbv   |        |
| 4) Chloromethane           | 3.13  | 50   | 22535    | 0.417   | ppbv   | 96     |
| 9) Propene                 | 3.02  | 41   | 81677m   | 1.598   | ppbv   |        |
| 10) Heptane                | 8.10  | 43   | 34828m   | 0.265   | ppbv   |        |
| 11) Trichlorofluoromethane | 3.94  | 101  | 25662    | 0.196   | ppbv   | 99     |
| 13) Ethanol                | 3.59  | 45   | 2966153  | 540.427 | ppbv   | 98     |
| 15) Acetone                | 3.84  | 43   | 917820   | 13.197  | ppbv   | 98     |
| 19) Isopropyl Alcohol      | 3.96  | 45   | 92995m   | 2.137   | ppbv   |        |
| 20) Methylene Chloride     | 4.33  | 84   | 927290   | 22.925  | ppbv   | 94     |
| 26) Hexane                 | 5.67  | 57   | 130705   | 1.443   | ppbv # | 55     |
| 29) Chloroform             | 5.73  | 83   | 15298m   | 0.103   | ppbv   |        |
| 34) 2-Butanone             | 5.23  | 43   | 104855   | 1.631   | ppbv   | 100    |
| 35) Carbon Tetrachloride   | 7.00  | 117  | 9333m    | 0.068   | ppbv   |        |
| 36) Benzene                | 6.87  | 78   | 84397    | 0.485   | ppbv   | 95     |
| 37) 1,2-Dichloroethane     | 6.29  | 62   | 22388    | 0.225   | ppbv   | 100    |
| 44) 2,2,4-Trimethylpentane | 7.85  | 57   | 61163    | 0.200   | ppbv # | 81     |
| 52) Tetrachloroethene      | 11.19 | 164  | 4780m    | 0.080   | ppbv   |        |
| 53) Toluene                | 9.78  | 91   | 331480   | 1.723   | ppbv   | 97     |
| 58) Ethyl Benzene          | 12.68 | 91   | 33480    | 0.145   | ppbv   | 89     |
| 59) m/p-Xylene             | 12.94 | 91   | 84464m   | 0.430   | ppbv   |        |
| 60) o-Xylene               | 13.66 | 91   | 39520m   | 0.216   | ppbv   |        |
| 61) Styrene                | 13.50 | 104  | 22502m   | 0.264   | ppbv   |        |
| 74) 1,2,4-Trimethylbenzene | 16.73 | 105  | 24721m   | 0.137   | ppbv   |        |

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

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