

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL041422\  
 Data File : VL038939.D  
 Acq On : 15 Apr 2022 8:41  
 Operator : SY/AP  
 Sample : N2418-01  
 Misc : 400mL/MSVOA L  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA L  
 ClientSampleId :  
 AA-1

Manual Integrations  
 APPROVED

Reviewed By : Semsettin Yesilyurt 04/15/2022  
 Supervised By : Mahesh Dadoda 04/18/2022

Quant Time: Apr 15 09:57:27 2022  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL040522A  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:  
 QLast Update : Wed Apr 06 06:12:53 2022  
 Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------|-------|------|----------|-------|-------|----------|
| 1) Bromochloromethane   | 5.65  | 49   | 1125136  | 10.00 | ppbv  | -0.01    |
| 33) 1,4-Difluorobenzene | 7.16  | 114  | 2904039  | 10.00 | ppbv  | -0.01    |
| 55) Chlorobenzene-d5    | 12.07 | 117  | 2623768  | 10.00 | ppbv  | -0.01    |

## System Monitoring Compounds

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| 68) 1-Bromo-4-Fluorobenzene | 14.39  | 95    | 2084771  | 10.48    | ppbv | -0.01   |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 104.80% |

## Target Compounds

|                            | R.T.  | QIon | Response | Conc    | Units  | Ovalue |
|----------------------------|-------|------|----------|---------|--------|--------|
| 2) Dichlorodifluoromethane | 3.04  | 85   | 111103   | 0.696   | ppbv   | 88     |
| 3) Chlorodifluoromethane   | 2.98  | 51   | 64903m   | 0.473   | ppbv   |        |
| 4) Chloromethane           | 3.14  | 50   | 45332m   | 0.638   | ppbv   |        |
| 9) Propene                 | 3.02  | 41   | 197463m  | 2.718   | ppbv   |        |
| 10) Heptane                | 8.10  | 43   | 96930m   | 0.530   | ppbv   |        |
| 11) Trichlorofluoromethane | 3.94  | 101  | 42572m   | 0.332   | ppbv   |        |
| 13) Ethanol                | 3.59  | 45   | 445913   | 100.999 | ppbv # | 100    |
| 15) Acetone                | 3.84  | 43   | 1198154  | 10.696  | ppbv # | 86     |
| 20) Methylene Chloride     | 4.34  | 84   | 108138m  | 2.662   | ppbv   |        |
| 25) Ethyl Acetate          | 5.66  | 43   | 413774   | 1.456   | ppbv # | 95     |
| 26) Hexane                 | 5.67  | 57   | 288571   | 2.231   | ppbv # | 67     |
| 30) Cyclohexane            | 7.11  | 84   | 31650m   | 0.278   | ppbv   |        |
| 34) 2-Butanone             | 5.23  | 43   | 196838   | 1.715   | ppbv # | 90     |
| 35) Carbon Tetrachloride   | 7.00  | 117  | 9450m    | 0.054   | ppbv   |        |
| 36) Benzene                | 6.87  | 78   | 187749   | 0.711   | ppbv # | 93     |
| 44) 2,2,4-Trimethylpentane | 7.85  | 57   | 282034m  | 0.631   | ppbv   |        |
| 50) 4-Methyl-2-Pentanone   | 8.74  | 43   | 52573m   | 0.204   | ppbv   |        |
| 52) Tetrachloroethene      | 11.20 | 164  | 48111m   | 0.521   | ppbv   |        |
| 53) Toluene                | 9.79  | 91   | 2042119  | 6.696   | ppbv   | 99     |
| 58) Ethyl Benzene          | 12.69 | 91   | 536179   | 1.368   | ppbv # | 87     |
| 59) m/p-Xylene             | 12.94 | 91   | 1430710  | 4.344   | ppbv   | 100    |
| 60) o-Xylene               | 13.67 | 91   | 531691   | 1.725   | ppbv   | 95     |
| 61) Styrene                | 13.51 | 104  | 75875    | 0.404   | ppbv   | 93     |
| 72) 4-Ethyltoluene         | 15.82 | 105  | 69711    | 0.189   | ppbv # | 91     |
| 73) 1,3,5-Trimethylbenzene | 15.98 | 105  | 60779m   | 0.184   | ppbv   |        |
| 74) 1,2,4-Trimethylbenzene | 16.74 | 105  | 211818   | 0.606   | ppbv # | 65     |

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

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