

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL021422\  
 Data File : VL038348.D  
 Acq On : 14 Feb 2022 20:06  
 Operator : SY/AP  
 Sample : N1442-02  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 IA1

Manual Integrations  
 APPROVED

Reviewed By :Semsettin Yesilyurt 02/15/2022  
 Supervised By :Mahesh Dadoda 02/18/2022

Quant Time: Feb 15 00:41:54 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_L\METHODS\VL012422AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Mon Jan 24 2022

QLast Update : Mon Jan 24 14:12:48 2022

Response via : Initial Calibration

| Compound                | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------|--------|------|----------|--------|-------|----------|
| -----                   |        |      |          |        |       |          |
| Internal Standards      |        |      |          |        |       |          |
| 1) Bromochloromethane   | 5.645  | 49   | 796337   | 10.000 | ppbv  | -0.03    |
| 33) 1,4-Difluorobenzene | 7.147  | 114  | 2042257  | 10.000 | ppbv  | -0.03    |
| 55) Chlorobenzene-d5    | 12.053 | 117  | 1772075  | 10.000 | ppbv  | #-0.03   |

System Monitoring Compounds

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| 68) 1-Bromo-4-Fluorobenzene | 14.381 | 95    | 1402550  | 10.428   | ppbv | -0.03    |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 104.300% |

Target Compounds

|                            |        |     |          |         |        | Qvalue |
|----------------------------|--------|-----|----------|---------|--------|--------|
| 3) Chlorodifluoromethane   | 2.980  | 51  | 10095662 | 63.683  | ppbv   | 94     |
| 4) Chloromethane           | 3.131  | 50  | 27415    | 0.503   | ppbv   | 100    |
| 9) Propene                 | 3.012  | 41  | 146205m  | 2.833   | ppbv   |        |
| 10) Heptane                | 8.089  | 43  | 14369m   | 0.108   | ppbv   |        |
| 11) Trichlorofluoromethane | 3.935  | 101 | 26565    | 0.201   | ppbv   | 100    |
| 13) Ethanol                | 3.587  | 45  | 2868908  | 517.847 | ppbv   | 98     |
| 15) Acetone                | 3.832  | 43  | 1100389  | 15.675  | ppbv   | 96     |
| 17) tert-Butyl alcohol     | 4.288  | 59  | 16803    | 0.218   | ppbv # | 70     |
| 19) Isopropyl Alcohol      | 3.947  | 45  | 1682379  | 38.310  | ppbv # | 97     |
| 20) Methylene Chloride     | 4.327  | 84  | 34878    | 0.854   | ppbv   | 94     |
| 25) Ethyl Acetate          | 5.645  | 43  | 847668   | 4.313   | ppbv # | 90     |
| 29) Chloroform             | 5.729  | 83  | 37725    | 0.253   | ppbv   | 85     |
| 34) 2-Butanone             | 5.221  | 43  | 52764    | 0.790   | ppbv   | 95     |
| 35) Carbon Tetrachloride   | 6.989  | 117 | 10026m   | 0.070   | ppbv   |        |
| 36) Benzene                | 6.864  | 78  | 87948    | 0.487   | ppbv   | 98     |
| 52) Tetrachloroethene      | 11.192 | 164 | 127318   | 2.045   | ppbv   | 96     |
| 53) Toluene                | 9.777  | 91  | 121409m  | 0.607   | ppbv   |        |
| 58) Ethyl Benzene          | 12.680 | 91  | 24758m   | 0.095   | ppbv   |        |
| 59) m/p-Xylene             | 12.934 | 91  | 72061    | 0.324   | ppbv   | 94     |
| 60) o-Xylene               | 13.661 | 91  | 30248m   | 0.146   | ppbv   |        |
| 61) Styrene                | 13.497 | 104 | 14384m   | 0.149   | ppbv   |        |

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

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