

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL042524\  
 Data File : VL041173.D  
 Acq On : 25 Apr 2024 16:36  
 Operator : SY/MD  
 Sample : P2253-04  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 IA2

Manual Integrations  
 APPROVED

Reviewed By :Semsettin Yesilyurt 04/26/2024  
 Supervised By :Mahesh Dadoda 04/26/2024

Quant Time: Apr 26 03:14:49 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL040424AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 2

QLast Update : Fri Apr 26 03:09:28 2024

Response via : Initial Calibration

| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Bromochloromethane       | 5.182  | 49    | 1163646  | 10.000   | ppbv   | 0.00     |
| 33) 1,4-Difluorobenzene     | 6.635  | 114   | 3023210  | 10.000   | ppbv   | 0.00     |
| 55) Chlorobenzene-d5        | 11.439 | 117   | 2674108  | 10.000   | ppbv   | 0.00     |
|                             |        |       |          |          |        |          |
| System Monitoring Compounds |        |       |          |          |        |          |
| 68) 1-Bromo-4-Fluorobenzene | 13.751 | 95    | 2040569  | 9.490    | ppbv   | 0.00     |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =      | 94.900%  |
|                             |        |       |          |          |        |          |
| Target Compounds            |        |       |          |          |        | Qvalue   |
| 2) Dichlorodifluoromethane  | 2.735  | 85    | 59851    | 0.301    | ppbv   | 98       |
| 3) Chlorodifluoromethane    | 2.677  | 51    | 76233    | 0.425    | ppbv # | 88       |
| 4) Chloromethane            | 2.816  | 50    | 39961    | 0.589    | ppbv   | 97       |
| 9) Propene                  | 2.710  | 41    | 187123m  | 3.282    | ppbv   |          |
| 10) Heptane                 | 7.558  | 43    | 51823m   | 0.383    | ppbv   |          |
| 11) Trichlorofluoromethane  | 3.562  | 101   | 39368    | 0.218    | ppbv   | 97       |
| 13) Ethanol                 | 3.237  | 45    | 442219   | 32.609   | ppbv   | 100      |
| 19) Isopropyl Alcohol       | 3.578  | 45    | 197675   | 2.583    | ppbv # | 97       |
| 20) Methylene Chloride      | 3.928  | 84    | 180971   | 3.482    | ppbv   | 94       |
| 26) Hexane                  | 5.201  | 57    | 315016   | 2.967    | ppbv # | 42       |
| 29) Chloroform              | 5.256  | 83    | 11899    | 0.066    | ppbv   | 88       |
| 30) Cyclohexane             | 6.587  | 84    | 33537m   | 0.388    | ppbv   |          |
| 34) 2-Butanone              | 4.783  | 43    | 38833    | 0.304    | ppbv # | 89       |
| 35) Carbon Tetrachloride    | 6.478  | 117   | 12493m   | 0.073    | ppbv   |          |
| 36) Benzene                 | 6.352  | 78    | 220088   | 0.991    | ppbv   | 94       |
| 44) 2,2,4-Trimethylpentane  | 7.311  | 57    | 201944   | 0.549    | ppbv # | 85       |
| 52) Tetrachloroethene       | 10.590 | 164   | 8355m    | 0.118    | ppbv   |          |
| 53) Toluene                 | 9.198  | 91    | 384895   | 1.647    | ppbv   | 100      |
| 58) Ethyl Benzene           | 12.063 | 91    | 65839m   | 0.225    | ppbv   |          |
| 59) m/p-Xylene              | 12.326 | 91    | 213923m  | 0.809    | ppbv   |          |
| 60) o-Xylene                | 13.040 | 91    | 77686    | 0.310    | ppbv   | 97       |
| 73) 1,3,5-Trimethylbenzene  | 15.330 | 105   | 22676m   | 0.092    | ppbv   |          |
| 74) 1,2,4-Trimethylbenzene  | 16.082 | 105   | 102646   | 0.363    | ppbv # | 69       |
| -----                       |        |       |          |          |        |          |

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

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