

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050922\
 Data File : VL038994.D
 Acq On : 9 May 2022 19:43
 Operator : SY/AP
 Sample : N2724-02DL 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA1DL

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 05/10/2022
 Supervised By : Mahesh Dadoda 05/11/2022

Quant Time: May 10 05:46:24 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL050522AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu May 05 10:12:15 2022

QLast Update : Thu May 05 10:12:15 2022

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	5.648	49	1174819	10.000	ppbv	-0.02
33) 1,4-Difluorobenzene	7.153	114	2717658	10.000	ppbv	-0.02
55) Chlorobenzene-d5	12.053	117	2279757	10.000	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 14.381 95 1886178 10.447 ppbv -0.02
 Spiked Amount 10.000 Range 65 - 135 Recovery = 104.500%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.041	85	30225m	0.164	ppbv	
3) Chlorodifluoromethane	2.976	51	18044m	0.124	ppbv	
4) Chloromethane	3.134	50	8080m	0.111	ppbv	
9) Propene	3.018	41	25087m	0.394	ppbv	
10) Heptane	8.095	43	28808	0.184	ppbv #	83
13) Ethanol	3.600	45	83670m	18.571	ppbv	
15) Acetone	3.841	43	550235m	4.965	ppbv	
19) Isopropyl Alcohol	3.970	45	57199m	1.086	ppbv	
20) Methylene Chloride	4.336	84	75026	1.796	ppbv #	96
26) Hexane	5.671	57	176609	1.499	ppbv #	39
30) Cyclohexane	7.111	84	20616m	0.209	ppbv	
34) 2-Butanone	5.243	43	19031	0.137	ppbv #	89
36) Benzene	6.873	78	88677	0.381	ppbv	96
53) Toluene	9.780	91	367408	1.409	ppbv	99
58) Ethyl Benzene	12.674	91	57016m	0.174	ppbv	
59) m/p-Xylene	12.934	91	196767m	0.703	ppbv	
60) o-Xylene	13.658	91	56173	0.213	ppbv	94
72) 4-Ethyltoluene	15.809	105	30885m	0.103	ppbv	
74) 1,2,4-Trimethylbenzene	16.735	105	76962m	0.260	ppbv	

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

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Chromatogram plot showing Abundance vs Time (min). The y-axis ranges from 0 to 4,400,000. The x-axis ranges from 0 to 26.00 minutes. Major peaks are labeled with chemical names and their retention times.

Chemical Name	Retention Time (min)
Chlorodifluoromethane	~1.5
Chloromethane	~2.5
1,1,1-Trifluoroethane	~3.0
Ethanol	~3.5
Isopropyl Alcohol	~4.0
Acetone	~4.5
Methylene Chloride	~5.0
2-Butanone	~5.5
Hexane	~5.8
Bromochloromethane	~6.0
Benzene	~7.0
Cyclohexane	~7.2
1,4-Difluorobenzene	~7.5
Heptane	~8.0
Toluene	~10.0
Chlorobenzene-d5	~12.5
Ethyl Benzene	~13.0
m/p-Xylene	~13.5
o-Xylene	~14.0
1-Bromo-4-Fluorobenzene	~14.5
4-Ethyltoluene	~16.0
1,2,4-Trimethylbenzene	~17.0