

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110325\
 Data File : VL043141.D
 Acq On : 03 Nov 2025 10:55
 Operator : SY/MD
 Sample : CAN 10158
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 CAN 10158

Quant Time: Nov 04 03:07:32 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Oct 15 02:12:58 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.790	49	117982	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.959	114	386858	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.882	117	339091	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.377	95	253826	9.630	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.300%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.700	85	54	0.003	ppbv #	43
3) Chlorodifluoromethane	1.483	51	57	0.003	ppbv #	1
4) Chloromethane	1.534	50	40	0.006	ppbv #	43
5) Vinyl Chloride	1.528	62	38	0.006	ppbv #	44
6) Bromomethane	1.628	94	31	0.009	ppbv #	4
7) Chloroethane	1.790	64	41	0.015	ppbv #	85
8) Dichlorotetrafluoroethane	1.700	85	54	0.004	ppbv	94
9) Propene	1.360	41	41	0.005	ppbv	95
10) Heptane	4.965	43	61	0.003	ppbv #	27
11) Trichlorofluoromethane	1.871	101	23	0.001	ppbv #	1
12) 1,1,2-Trichlorotrifluo...	2.030	101	27	0.002	ppbv #	61
14) Bromoethene	1.742	108	33	0.007	ppbv #	1
16) 1,3-Butadiene	1.619	39	57	0.008	ppbv #	13
17) tert-Butyl alcohol	2.046	59	327	0.015	ppbv #	92
18) 1,1-Dichloroethene	1.997	96	36	0.006	ppbv #	1
19) Isopropyl Alcohol	1.894	45	164	0.017	ppbv #	1
21) Allyl Chloride	2.098	41	198	0.017	ppbv #	21
22) trans-1,2-Dichloroethene	2.331	96	47	0.007	ppbv #	1
24) 1,1-Dichloroethane	2.402	63	62	0.005	ppbv #	87
25) Ethyl Acetate	2.826	43	33	0.001	ppbv #	1
26) Hexane	2.826	57	136	0.007	ppbv #	8
27) Carbon Disulfide	2.056	76	20	0.001	ppbv #	1
28) Methyl tert-Butyl Ether	2.379	73	24	0.003	ppbv #	1
29) Chloroform	2.845	83	78	0.003	ppbv #	19
30) Cyclohexane	3.829	84	37	0.002	ppbv #	1
31) cis-1,2-Dichloroethene	2.638	61	29	0.002	ppbv #	24
36) Benzene	3.658	78	121	0.003	ppbv #	57
37) 1,2-Dichloroethane	2.936	62	24	0.001	ppbv #	79
41) Tetrahydrofuran	3.075	42	98	0.007	ppbv #	53
42) Bromodichloromethane	4.480	83	27	0.001	ppbv #	25
43) Methyl Methacrylate	4.742	69	22	0.001	ppbv #	1
44) 2,2,4-Trimethylpentane	4.638	57	22	0.000	ppbv #	1
45) t-1,3-Dichloropropene	5.985	75	20	0.001	ppbv #	43
46) cis-1,3-Dichloropropene	5.985	75	20	0.001	ppbv #	27
47) 1,1,2-Trichloroethane	6.878	97	27	0.002	ppbv #	17
50) 4-Methyl-2-Pentanone	5.755	43	54	0.002	ppbv #	38
51) 2-Hexanone	7.458	43	60	0.002	ppbv #	27
52) Tetrachloroethene	8.568	164	24	0.002	ppbv #	1
53) Toluene	6.923	91	110	0.003	ppbv #	45
56) 1,1,1,2-Tetrachloroethane	9.105	131	23	0.001	ppbv #	9
57) Chlorobenzene	8.888	112	46	0.001	ppbv #	66
58) Ethyl Benzene	9.539	91	91	0.002	ppbv	100
59) m/p-Xylene	9.529	91	77	0.002	ppbv #	29

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
60) o-Xylene	9.963	91	51	0.001	ppbv	#	32
61) Styrene	9.390	104	65	0.003	ppbv	#	62
62) Isopropylbenzene	10.542	105	47	0.001	ppbv	#	50
63) 1,1,2,2-Tetrachloroethane	10.348	83	38	0.001	ppbv	#	84
64) n-propylbenzene	11.222	120	41	0.002	ppbv	#	1
65) tert-Butylbenzene	11.529	119	22	0.000	ppbv	#	19
66) Benzyl Chloride	11.743	91	32	0.004	ppbv	#	1
67) sec-Butylbenzene	11.769	105	71	0.001	ppbv	#	1
69) p-Isopropyltoluene	11.892	119	34	0.000	ppbv	#	49
70) n-Butylbenzene	11.840	91	44	0.001	ppbv	#	84
71) 2-Chlorotoluene	10.992	91	66	0.001	ppbv	#	45
72) 4-Ethyltoluene	11.118	105	56	0.001	ppbv	#	55
73) 1,3,5-Trimethylbenzene	11.206	105	47	0.001	ppbv	#	28
74) 1,2,4-Trimethylbenzene	11.539	105	351	0.007	ppbv	#	31
75) 1,3-Dichlorobenzene	11.390	146	24	0.001	ppbv	#	1
76) 1,4-Dichlorobenzene	11.390	146	24	0.001	ppbv	#	15
77) 1,2-Dichlorobenzene	12.270	146	29	0.001	ppbv	#	23
78) Hexachloro-1,3-Butadiene	13.882	225	47	0.002	ppbv	#	56
79) Naphthalene	13.520	128	93	0.002	ppbv	#	69
80) Naphthalene,2-methyl-	14.546	142	10	0.001	ppbv	#	1
81) 1,2,4-Trichlorobenzene	13.471	180	73	0.003	ppbv	#	73

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

