

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL012725\
 Data File : VL041955.D
 Acq On : 27 Jan 2025 16:42
 Operator : SY/MD
 Sample : QC012125 CAN 10268
 Misc : 400mL/MSVOA_L
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 QC012125 CAN 10268

Quant Time: Jan 28 02:39:50 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011425AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Jan 14 23:15:42 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.797	49	136545	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.975	114	361060	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.898	117	313747	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	10.390	95	235713	9.538	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.400%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.583	85	47	0.003	ppbv #	44
3) Chlorodifluoromethane	1.570	51	33	0.002	ppbv #	61
4) Chloromethane	1.538	50	51	0.007	ppbv	92
5) Vinyl Chloride	1.900	62	32	0.005	ppbv #	42
6) Bromomethane	1.658	94	32	0.009	ppbv #	6
7) Chloroethane	1.755	64	25	0.009	ppbv #	43
8) Dichlorotetrafluoroethane	1.583	85	47	0.003	ppbv #	54
10) Heptane	4.985	43	22	0.001	ppbv #	1
11) Trichlorofluoromethane	2.107	101	30	0.002	ppbv #	17
12) 1,1,2-Trichlorotrifluo...	2.140	101	23	0.002	ppbv #	15
14) Bromoethene	1.803	108	48	0.009	ppbv #	1
16) 1,3-Butadiene	1.615	39	102	0.014	ppbv #	1
17) tert-Butyl alcohol	1.946	59	46	0.002	ppbv #	50
18) 1,1-Dichloroethene	2.085	96	33	0.005	ppbv #	1
20) Methylene Chloride	2.065	84	1020	0.157	ppbv #	83
21) Allyl Chloride	2.098	41	105	0.009	ppbv #	21
22) trans-1,2-Dichloroethene	2.379	96	66	0.009	ppbv #	1
23) Vinyl Acetate	2.467	43	145	0.018	ppbv #	1
24) 1,1-Dichloroethane	2.256	63	55	0.004	ppbv #	87
25) Ethyl Acetate	2.845	43	19	0.000	ppbv #	74
26) Hexane	2.418	57	29	0.002	ppbv #	1
27) Carbon Disulfide	2.156	76	36	0.002	ppbv #	1
28) Methyl tert-Butyl Ether	2.302	73	23	0.002	ppbv #	1
29) Chloroform	3.120	83	30	0.001	ppbv #	19
31) cis-1,2-Dichloroethene	2.460	61	30	0.002	ppbv #	26
32) 1,1,1-Trichloroethane	3.412	97	30	0.001	ppbv #	52
34) 2-Butanone	2.570	43	133	0.006	ppbv #	52
36) Benzene	3.674	78	86	0.003	ppbv #	55
40) 1,4-Dioxane	4.661	88	36	0.006	ppbv #	90
41) Tetrahydrofuran	3.072	42	57	0.005	ppbv #	36
42) Bromodichloromethane	4.499	83	53	0.002	ppbv #	24
43) Methyl Methacrylate	4.441	69	22	0.002	ppbv #	1
44) 2,2,4-Trimethylpentane	4.480	57	21	0.000	ppbv #	1
46) cis-1,3-Dichloropropene	5.713	75	41	0.003	ppbv #	25
47) 1,1,2-Trichloroethane	6.535	97	31	0.003	ppbv #	16
49) Bromoform	9.312	173	34	0.002	ppbv #	27
50) 4-Methyl-2-Pentanone	5.910	43	33	0.001	ppbv	95
51) 2-Hexanone	7.522	43	34	0.001	ppbv #	27
52) Tetrachloroethene	8.108	164	47	0.004	ppbv #	1
53) Toluene	6.635	91	22	0.001	ppbv #	21
54) 1,2-Dibromoethane	7.283	107	29	0.002	ppbv #	2
57) Chlorobenzene	8.937	112	32	0.001	ppbv #	51
58) Ethyl Benzene	8.969	91	31	0.001	ppbv #	46

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

59) m/p-Xylene	9.791	91	23	0.001	ppbv	#	31
60) o-Xylene	10.015	91	32	0.001	ppbv	#	33
62) Isopropylbenzene	10.393	105	189	0.003	ppbv	#	50
63) 1,1,2,2-Tetrachloroethane	10.387	83	84	0.003	ppbv	#	36
64) n-propylbenzene	11.212	120	99	0.006	ppbv	#	1
65) tert-Butylbenzene	11.678	119	56	0.001	ppbv	#	18
66) Benzyl Chloride	11.575	91	24	0.007	ppbv	#	1
67) sec-Butylbenzene	11.778	105	22	0.000	ppbv	#	1
69) p-Isopropyltoluene	11.785	119	77	0.001	ppbv	#	60
70) n-Butylbenzene	12.332	91	42	0.001	ppbv	#	67
71) 2-Chlorotoluene	10.765	91	44	0.001	ppbv	#	1
72) 4-Ethyltoluene	11.212	105	57	0.001	ppbv	#	1
73) 1,3,5-Trimethylbenzene	11.212	105	57	0.001	ppbv	#	1
74) 1,2,4-Trimethylbenzene	11.549	105	27	0.001	ppbv	#	55
78) Hexachloro-1,3-Butadiene	13.898	225	41	0.002	ppbv	#	53
79) Naphthalene	13.455	128	42	0.001	ppbv	#	69
81) 1,2,4-Trichlorobenzene	13.455	180	70	0.003	ppbv	#	55

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

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