

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110121\
 Data File : VL037959.D
 Acq On : 2 Nov 2021 4:43
 Operator : SY/AP
 Sample : M4068-14 LOQ 0.5
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT4-2021

Quant Time: Nov 02 08:01:02 2021

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL110121AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Nov 02 08:01:02 2021

QLast Update : Tue Nov 02 05:54:07 2021

Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 11/05/2021
 Supervised By : Mahesh Dadoda 11/10/2021

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

Internal Standards						
1) Bromochloromethane	5.655	49	1342194	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	7.160	114	4072949	10.000	ppbv	-0.01
55) Chlorobenzene-d5	12.066	117	3543534	10.000	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 14.394 95 2567413 9.967 ppbv -0.01
 Spiked Amount 10.000 Range 65 - 135 Recovery = 99.700%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.044	85	124881	0.660	ppbv	100
3) Chlorodifluoromethane	2.986	51	148663	0.595	ppbv	100
4) Chloromethane	3.134	50	58220m	0.613	ppbv	
5) Vinyl Chloride	3.256	62	52091m	0.569	ppbv	
6) Bromomethane	3.475	94	26881m	0.544	ppbv	
7) Chloroethane	3.552	64	17298	0.524	ppbv	92
8) Dichlorotetrafluoroethane	3.186	85	135570	0.622	ppbv	99
9) Propene	3.009	41	40188	0.449	ppbv	95
10) Heptane	8.108	43	94781	0.455	ppbv	94
11) Trichlorofluoromethane	3.948	101	102197	0.543	ppbv	94
12) 1,1,2-Trichlorotrifluoro...	4.475	101	82430	0.562	ppbv	96
13) Ethanol	3.626	45	4454	0.493	ppbv #	32
14) Bromoethene	3.735	108	30813	0.480	ppbv #	85
15) Acetone	3.870	43	67304m	0.607	ppbv	
16) 1,3-Butadiene	3.330	39	47938m	0.549	ppbv	
17) tert-Butyl alcohol	4.301	59	62525m	0.542	ppbv	
18) 1,1-Dichloroethene	4.282	96	34904	0.517	ppbv	91
19) Isopropyl Alcohol	3.993	45	40843m	0.576	ppbv	
20) Methylene Chloride	4.337	84	40337m	0.662	ppbv	
21) Allyl Chloride	4.407	41	55213	0.540	ppbv	93
22) trans-1,2-Dichloroethene	4.874	96	34494m	0.514	ppbv	
23) Vinyl Acetate	5.079	43	73029m	0.437	ppbv	
24) 1,1-Dichloroethane	4.999	63	80810m	0.586	ppbv	
25) Ethyl Acetate	5.677	43	159866	0.485	ppbv	97
26) Hexane	5.681	57	76220m	0.488	ppbv	
27) Carbon Disulfide	4.546	76	65576m	0.426	ppbv	
28) Methyl tert-Butyl Ether	5.041	73	66711m	0.508	ppbv	
29) Chloroform	5.739	83	131566	0.565	ppbv	96
30) Cyclohexane	7.124	84	67954m	0.509	ppbv	
31) cis-1,2-Dichloroethene	5.536	61	65755m	0.462	ppbv	
32) 1,1,1-Trichloroethane	6.497	97	116721m	0.510	ppbv	
34) 2-Butanone	5.250	43	71974m	0.477	ppbv	
35) Carbon Tetrachloride	7.005	117	117019	0.475	ppbv	85
36) Benzene	6.880	78	154899	0.467	ppbv	97
37) 1,2-Dichloroethane	6.301	62	74990m	0.476	ppbv	
38) Trichloroethene	7.825	130	59211m	0.430	ppbv	
39) 1,2-Dichloropropane	7.603	63	65631m	0.526	ppbv	
40) 1,4-Dioxane	7.864	88	15335m	0.467	ppbv	
41) Tetrahydrofuran	6.073	42	27391m	0.371	ppbv	
42) Bromodichloromethane	7.774	83	108086	0.453	ppbv	86
43) Methyl Methacrylate	8.005	69	42910m	0.394	ppbv	
44) 2,2,4-Trimethylpentane	7.854	57	261668	0.464	ppbv	92
45) t-1,3-Dichloropropene	9.262	75	26658m	0.333	ppbv	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.687	75	38056m	0.346	ppbv	
47) 1,1,2-Trichloroethane	9.459	97	70547m	0.503	ppbv	
48) Dibromochloromethane	10.282	129	87925m	0.443	ppbv	
49) Bromoform	13.021	173	59654	0.380	ppbv	97
50) 4-Methyl-2-Pentanone	8.761	43	76450m	0.386	ppbv	
51) 2-Hexanone	10.150	43	29818m	0.357	ppbv	
52) Tetrachloroethene	11.201	164	57039m	0.453	ppbv	
53) Toluene	9.783	91	138590m	0.390	ppbv	
54) 1,2-Dibromoethane	10.590	107	80440m	0.445	ppbv	
56) 1,1,1,2-Tetrachloroethane	12.108	131	78923m	0.552	ppbv	
57) Chlorobenzene	12.124	112	160919	0.569	ppbv	91
58) Ethyl Benzene	12.693	91	183614m	0.424	ppbv	
59) m/p-Xylene	12.973	91	360960m	0.937	ppbv	
60) o-Xylene	13.674	91	166814	0.459	ppbv	100
61) Styrene	13.507	104	52324m	0.314	ppbv	
62) Isopropylbenzene	14.648	105	262878	0.511	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.655	83	160841m	0.515	ppbv	
64) n-propylbenzene	15.539	120	62749m	0.476	ppbv	
65) tert-Butylbenzene	16.728	119	222184	0.489	ppbv	94
66) Benzyl Chloride	16.973	91	9939m	0.419	ppbv	
67) sec-Butylbenzene	17.275	105	295049	0.471	ppbv	100
69) p-Isopropyltoluene	17.642	119	227856m	0.454	ppbv	
70) n-Butylbenzene	18.539	91	204474m	0.443	ppbv	
71) 2-Chlorotoluene	15.436	91	171633	0.476	ppbv	98
72) 4-Ethyltoluene	15.822	105	174187	0.419	ppbv #	96
73) 1,3,5-Trimethylbenzene	15.979	105	159242	0.409	ppbv	95
74) 1,2,4-Trimethylbenzene	16.741	105	199832	0.490	ppbv #	91
75) 1,3-Dichlorobenzene	16.976	146	127101	0.500	ppbv	90
76) 1,4-Dichlorobenzene	17.117	146	107171	0.436	ppbv	87
77) 1,2-Dichlorobenzene	17.789	146	128946m	0.540	ppbv	
78) Hexachloro-1,3-Butadiene	23.355	225	120356m	0.589	ppbv	
79) Naphthalene	22.169	128	61917m	0.263	ppbv	
80) Naphthalene,2-methyl-	24.976	142	4854	0.106	ppbv #	48
81) 1,2,4-Trichlorobenzene	21.911	180	56578m	0.370	ppbv	

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

