

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110121\
 Data File : VL037960.D
 Acq On : 2 Nov 2021 5:20
 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 08:01:24 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 08:01:24 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	1383268	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	7.160	114	4078709	10.000	ppbv	-0.01
55) Chlorobenzene-d5	12.066	117	3560131	10.000	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 14.397 95 2658024 10.271 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 102.700%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.047	85	139387	0.715	ppbv	94
3) Chlorodifluoromethane	2.989	51	150420	0.584	ppbv	98
4) Chloromethane	3.141	50	58130	0.594	ppbv	93
5) Vinyl Chloride	3.256	62	52540	0.557	ppbv	92
6) Bromomethane	3.475	94	28422m	0.558	ppbv	
7) Chloroethane	3.559	64	19130m	0.562	ppbv	
8) Dichlorotetrafluoroethane	3.186	85	125451	0.559	ppbv	96
9) Propene	3.015	41	45870	0.497	ppbv	94
10) Heptane	8.108	43	94807	0.441	ppbv	97
11) Trichlorofluoromethane	3.948	101	103744	0.535	ppbv	98
12) 1,1,2-Trichlorotrifluo...	4.478	101	88377	0.584	ppbv	93
13) Ethanol	3.626	45	5655m	0.607	ppbv	
14) Bromoethene	3.732	108	31933m	0.483	ppbv	
15) Acetone	3.861	43	64135m	0.561	ppbv	
16) 1,3-Butadiene	3.324	39	44164	0.490	ppbv	97
17) tert-Butyl alcohol	4.308	59	65854m	0.554	ppbv	
18) 1,1-Dichloroethene	4.282	96	36478m	0.524	ppbv	
19) Isopropyl Alcohol	3.983	45	41329m	0.565	ppbv	
20) Methylene Chloride	4.333	84	38547	0.614	ppbv	98
21) Allyl Chloride	4.404	41	56171m	0.533	ppbv	
22) trans-1,2-Dichloroethene	4.877	96	34574	0.500	ppbv #	80
23) Vinyl Acetate	5.076	43	70793	0.411	ppbv #	87
24) 1,1-Dichloroethane	5.002	63	78984m	0.555	ppbv	
25) Ethyl Acetate	5.681	43	158563	0.467	ppbv	97
26) Hexane	5.674	57	77586	0.482	ppbv	82
27) Carbon Disulfide	4.546	76	75358m	0.475	ppbv	
28) Methyl tert-Butyl Ether	5.044	73	70199m	0.519	ppbv	
29) Chloroform	5.739	83	129216	0.539	ppbv	92
30) Cyclohexane	7.121	84	69826m	0.508	ppbv	
31) cis-1,2-Dichloroethene	5.539	61	69986m	0.477	ppbv	
32) 1,1,1-Trichloroethane	6.497	97	111466	0.473	ppbv	94
34) 2-Butanone	5.263	43	70322m	0.465	ppbv	
35) Carbon Tetrachloride	7.002	117	115464m	0.468	ppbv	
36) Benzene	6.877	78	156278	0.470	ppbv	97
37) 1,2-Dichloroethane	6.292	62	82692	0.524	ppbv	99
38) Trichloroethene	7.822	130	65792m	0.477	ppbv	
39) 1,2-Dichloropropane	7.600	63	63457	0.508	ppbv	88
40) 1,4-Dioxane	7.864	88	19065m	0.579	ppbv	
41) Tetrahydrofuran	6.092	42	30859m	0.417	ppbv	
42) Bromodichloromethane	7.777	83	107178	0.449	ppbv	87
43) Methyl Methacrylate	8.009	69	40069	0.368	ppbv	93
44) 2,2,4-Trimethylpentane	7.857	57	267195	0.473	ppbv #	91
45) t-1,3-Dichloropropene	9.266	75	25880m	0.323	ppbv	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.687	75	38304m	0.348	ppbv	
47) 1,1,2-Trichloroethane	9.459	97	72771m	0.518	ppbv	
48) Dibromochloromethane	10.288	129	87064	0.438	ppbv	97
49) Bromoform	13.024	173	66694m	0.424	ppbv	
50) 4-Methyl-2-Pentanone	8.751	43	80472m	0.405	ppbv	
51) 2-Hexanone	10.147	43	27178m	0.325	ppbv	
52) Tetrachloroethene	11.208	164	56569m	0.449	ppbv	
53) Toluene	9.793	91	134720	0.378	ppbv	97
54) 1,2-Dibromoethane	10.590	107	80756	0.446	ppbv	92
56) 1,1,1,2-Tetrachloroethane	12.108	131	79075	0.550	ppbv #	1
57) Chlorobenzene	12.131	112	166846m	0.587	ppbv	
58) Ethyl Benzene	12.693	91	185076m	0.425	ppbv	
59) m/p-Xylene	12.979	91	378746m	0.979	ppbv	
60) o-Xylene	13.671	91	169546	0.465	ppbv	98
61) Styrene	13.507	104	57541m	0.343	ppbv	
62) Isopropylbenzene	14.648	105	264281	0.512	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.655	83	158435	0.505	ppbv	98
64) n-propylbenzene	15.542	120	64833	0.490	ppbv	85
65) tert-Butylbenzene	16.725	119	226434m	0.496	ppbv	
66) Benzyl Chloride	16.976	91	10206m	0.428	ppbv	
67) sec-Butylbenzene	17.275	105	296178	0.471	ppbv	98
69) p-Isopropyltoluene	17.632	119	217127	0.430	ppbv	95
70) n-Butylbenzene	18.532	91	201873	0.435	ppbv	97
71) 2-Chlorotoluene	15.439	91	165190m	0.456	ppbv	
72) 4-Ethyltoluene	15.825	105	189150m	0.453	ppbv	
73) 1,3,5-Trimethylbenzene	15.976	105	164791	0.421	ppbv	98
74) 1,2,4-Trimethylbenzene	16.741	105	204661m	0.499	ppbv	
75) 1,3-Dichlorobenzene	16.979	146	138240m	0.541	ppbv	
76) 1,4-Dichlorobenzene	17.114	146	126269m	0.511	ppbv	
77) 1,2-Dichlorobenzene	17.799	146	124952m	0.521	ppbv	
78) Hexachloro-1,3-Butadiene	23.355	225	117698m	0.574	ppbv	
79) Naphthalene	22.178	128	62766m	0.266	ppbv	
80) Naphthalene,2-methyl-	24.989	142	2356	0.051	ppbv #	72
81) 1,2,4-Trichlorobenzene	21.915	180	54435m	0.354	ppbv	

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

