

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110221\
 Data File : VL037975.D
 Acq On : 2 Nov 2021 20:13
 Operator : SY/AP
 Sample : M4068-14 0.5 PPB LOQ
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

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

Quant Time: Nov 02 21:19:25 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 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 11/09/2021

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

Internal Standards						
1) Bromochloromethane	5.655	49	1391741	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	7.160	114	4054000	10.000	ppbv	-0.01
55) Chlorobenzene-d5	12.066	117	3506127	10.000	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 14.394 95 2572624 10.094 ppbv -0.01
 Spiked Amount 10.000 Range 65 - 135 Recovery = 100.900%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.047	85	125531	0.640	ppbv	99
3) Chlorodifluoromethane	2.986	51	149277	0.576	ppbv	99
4) Chloromethane	3.140	50	50915	0.517	ppbv	98
5) Vinyl Chloride	3.253	62	49284	0.519	ppbv #	85
6) Bromomethane	3.468	94	26476	0.516	ppbv	93
7) Chloroethane	3.552	64	18471m	0.539	ppbv	
8) Dichlorotetrafluoroethane	3.186	85	128676	0.570	ppbv	100
9) Propene	3.009	41	50545	0.544	ppbv	97
10) Heptane	8.108	43	99899	0.462	ppbv	92
11) Trichlorofluoromethane	3.944	101	110439	0.566	ppbv	100
12) 1,1,2-Trichlorotrifluo...	4.478	101	81040	0.532	ppbv	91
13) Ethanol	3.620	45	5112	0.545	ppbv #	38
14) Bromoethene	3.739	108	37604m	0.565	ppbv	
15) Acetone	3.861	43	70001m	0.609	ppbv	
16) 1,3-Butadiene	3.324	39	52597	0.580	ppbv	93
17) tert-Butyl alcohol	4.314	59	73137m	0.612	ppbv	
18) 1,1-Dichloroethene	4.282	96	33923	0.484	ppbv	91
19) Isopropyl Alcohol	3.986	45	40843m	0.555	ppbv	
20) Methylene Chloride	4.337	84	39248m	0.622	ppbv	
21) Allyl Chloride	4.404	41	61861m	0.583	ppbv	
22) trans-1,2-Dichloroethene	4.877	96	32991	0.474	ppbv #	84
23) Vinyl Acetate	5.076	43	78640m	0.454	ppbv	
24) 1,1-Dichloroethane	4.999	63	81403	0.569	ppbv	98
25) Ethyl Acetate	5.681	43	168268	0.493	ppbv #	94
26) Hexane	5.674	57	74210	0.459	ppbv #	77
27) Carbon Disulfide	4.546	76	79973m	0.501	ppbv	
28) Methyl tert-Butyl Ether	5.041	73	73939m	0.543	ppbv	
29) Chloroform	5.735	83	130478	0.541	ppbv	93
30) Cyclohexane	7.118	84	61918	0.448	ppbv	85
31) cis-1,2-Dichloroethene	5.536	61	74481m	0.504	ppbv	
32) 1,1,1-Trichloroethane	6.497	97	116034	0.489	ppbv	99
34) 2-Butanone	5.253	43	85769m	0.571	ppbv	
35) Carbon Tetrachloride	7.002	117	111093	0.453	ppbv	97
36) Benzene	6.873	78	177547	0.538	ppbv #	95
37) 1,2-Dichloroethane	6.291	62	85920m	0.547	ppbv	
38) Trichloroethene	7.819	130	66796	0.487	ppbv	87
39) 1,2-Dichloropropane	7.597	63	69958m	0.563	ppbv	
40) 1,4-Dioxane	7.851	88	17074m	0.522	ppbv	
41) Tetrahydrofuran	6.073	42	37318m	0.508	ppbv	
42) Bromodichloromethane	7.780	83	113903	0.480	ppbv	91
43) Methyl Methacrylate	8.008	69	50594m	0.467	ppbv	
44) 2,2,4-Trimethylpentane	7.854	57	291272	0.519	ppbv	96
45) t-1,3-Dichloropropene	9.259	75	31611m	0.397	ppbv	

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46) cis-1,3-Dichloropropene	8.693	75	47458m	0.434	ppbv	
47) 1,1,2-Trichloroethane	9.455	97	76254m	0.546	ppbv	
48) Dibromochloromethane	10.291	129	90175m	0.456	ppbv	
49) Bromoform	13.024	173	70501m	0.451	ppbv	
50) 4-Methyl-2-Pentanone	8.754	43	85303m	0.432	ppbv	
51) 2-Hexanone	10.156	43	34581m	0.416	ppbv	
52) Tetrachloroethene	11.204	164	61856m	0.494	ppbv	
53) Toluene	9.787	91	157885	0.446	ppbv	98
54) 1,2-Dibromoethane	10.590	107	88013	0.489	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.102	131	81798m	0.578	ppbv	
57) Chlorobenzene	12.127	112	153785	0.550	ppbv	96
58) Ethyl Benzene	12.690	91	198563	0.463	ppbv	97
59) m/p-Xylene	12.970	91	380199m	0.998	ppbv	
60) o-Xylene	13.671	91	174704	0.486	ppbv	99
61) Styrene	13.507	104	66876m	0.405	ppbv	
62) Isopropylbenzene	14.645	105	267881	0.527	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.655	83	157102	0.508	ppbv	95
64) n-propylbenzene	15.535	120	65083m	0.499	ppbv	
65) tert-Butylbenzene	16.725	119	223987	0.498	ppbv	92
66) Benzyl Chloride	16.973	91	12660m	0.539	ppbv	
67) sec-Butylbenzene	17.275	105	304971	0.492	ppbv	99
69) p-Isopropyltoluene	17.635	119	230192	0.463	ppbv	96
70) n-Butylbenzene	18.535	91	216773	0.475	ppbv	98
71) 2-Chlorotoluene	15.429	91	173159	0.486	ppbv	100
72) 4-Ethyltoluene	15.815	105	193997m	0.471	ppbv	
73) 1,3,5-Trimethylbenzene	15.979	105	176647	0.458	ppbv	97
74) 1,2,4-Trimethylbenzene	16.738	105	199651	0.494	ppbv #	88
75) 1,3-Dichlorobenzene	16.976	146	137395m	0.546	ppbv	
76) 1,4-Dichlorobenzene	17.117	146	121437m	0.499	ppbv	
77) 1,2-Dichlorobenzene	17.789	146	132465m	0.561	ppbv	
78) Hexachloro-1,3-Butadiene	23.352	225	120242	0.595	ppbv	95
79) Naphthalene	22.178	128	82994m	0.357	ppbv	
80) Naphthalene,2-methyl-	24.972	142	9352m	0.206	ppbv	
81) 1,2,4-Trichlorobenzene	21.905	180	65790m	0.434	ppbv	

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

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