

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110221\
 Data File : VL037966.D
 Acq On : 2 Nov 2021 12:54
 Operator : SY/AP
 Sample : M4068-14 0.5LOQ
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

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

Quant Time: Nov 02 13:49:27 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 13:49:27 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	5.658	49	1362439	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	7.160	114	4049656	10.000	ppbv	-0.01
55) Chlorobenzene-d5	12.066	117	3497815	10.000	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 14.394 95 2631420 10.350 ppbv -0.01
 Spiked Amount 10.000 Range 65 - 135 Recovery = 103.500%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.044	85	138409	0.721	ppbv	99
3) Chlorodifluoromethane	2.986	51	148262	0.585	ppbv	99
4) Chloromethane	3.134	50	50188	0.521	ppbv	95
5) Vinyl Chloride	3.250	62	46372m	0.499	ppbv	
6) Bromomethane	3.472	94	27968m	0.557	ppbv	
7) Chloroethane	3.558	64	17442	0.520	ppbv	91
8) Dichlorotetrafluoroethane	3.185	85	127201	0.575	ppbv	98
9) Propene	3.012	41	37247	0.410	ppbv	83
10) Heptane	8.105	43	103509m	0.489	ppbv	
11) Trichlorofluoromethane	3.941	101	96970	0.507	ppbv	94
12) 1,1,2-Trichlorotrifluoro...	4.475	101	83589	0.561	ppbv	90
13) Ethanol	3.620	45	3992	0.435	ppbv #	32
14) Bromoethene	3.738	108	32300	0.496	ppbv #	88
15) Acetone	3.867	43	55476	0.493	ppbv	95
16) 1,3-Butadiene	3.327	39	41018	0.462	ppbv	87
17) tert-Butyl alcohol	4.308	59	59084m	0.505	ppbv	
18) 1,1-Dichloroethene	4.282	96	36785	0.536	ppbv #	88
19) Isopropyl Alcohol	3.986	45	29995	0.417	ppbv #	85
20) Methylene Chloride	4.333	84	34884	0.564	ppbv	92
21) Allyl Chloride	4.404	41	59424m	0.572	ppbv	
22) trans-1,2-Dichloroethene	4.877	96	31717	0.465	ppbv	93
23) Vinyl Acetate	5.079	43	73597	0.434	ppbv #	92
24) 1,1-Dichloroethane	5.002	63	79004	0.564	ppbv #	96
25) Ethyl Acetate	5.677	43	175000	0.523	ppbv #	98
26) Hexane	5.677	57	77487	0.489	ppbv	84
27) Carbon Disulfide	4.539	76	78471m	0.502	ppbv	
28) Methyl tert-Butyl Ether	5.041	73	67730	0.509	ppbv #	90
29) Chloroform	5.738	83	130444m	0.552	ppbv	
30) Cyclohexane	7.124	84	75331m	0.556	ppbv	
31) cis-1,2-Dichloroethene	5.542	61	70512m	0.488	ppbv	
32) 1,1,1-Trichloroethane	6.497	97	111169	0.479	ppbv	93
34) 2-Butanone	5.256	43	66459	0.443	ppbv	95
35) Carbon Tetrachloride	7.002	117	113242	0.463	ppbv	92
36) Benzene	6.880	78	157643m	0.478	ppbv	
37) 1,2-Dichloroethane	6.295	62	82871m	0.529	ppbv	
38) Trichloroethene	7.815	130	67509m	0.493	ppbv	
39) 1,2-Dichloropropane	7.590	63	67519m	0.544	ppbv	
40) 1,4-Dioxane	7.864	88	17799m	0.545	ppbv	
41) Tetrahydrofuran	6.082	42	32766m	0.446	ppbv	
42) Bromodichloromethane	7.780	83	116826m	0.493	ppbv	
43) Methyl Methacrylate	8.012	69	44231m	0.409	ppbv	
44) 2,2,4-Trimethylpentane	7.854	57	263511	0.470	ppbv	93
45) t-1,3-Dichloropropene	9.262	75	29558m	0.372	ppbv	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.690	75	43136m	0.394	ppbv	
47) 1,1,2-Trichloroethane	9.452	97	67199	0.482	ppbv #	93
48) Dibromochloromethane	10.288	129	89081m	0.451	ppbv	
49) Bromoform	13.018	173	69864m	0.448	ppbv	
50) 4-Methyl-2-Pentanone	8.754	43	87134m	0.442	ppbv	
51) 2-Hexanone	10.140	43	29876m	0.360	ppbv	
52) Tetrachloroethene	11.201	164	56883	0.455	ppbv	95
53) Toluene	9.790	91	145264m	0.411	ppbv	
54) 1,2-Dibromoethane	10.587	107	85052m	0.473	ppbv	
56) 1,1,1,2-Tetrachloroethane	12.101	131	76628m	0.543	ppbv	
57) Chlorobenzene	12.121	112	156227	0.560	ppbv	91
58) Ethyl Benzene	12.693	91	178767	0.418	ppbv	95
59) m/p-Xylene	12.966	91	363873m	0.957	ppbv	
60) o-Xylene	13.671	91	165511	0.462	ppbv	100
61) Styrene	13.513	104	58112m	0.353	ppbv	
62) Isopropylbenzene	14.648	105	248825	0.490	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.658	83	153428	0.497	ppbv	95
64) n-propylbenzene	15.542	120	58238	0.448	ppbv	67
65) tert-Butylbenzene	16.725	119	224290	0.500	ppbv	97
66) Benzyl Chloride	16.963	91	12347m	0.527	ppbv	
67) sec-Butylbenzene	17.272	105	302591	0.490	ppbv	98
69) p-Isopropyltoluene	17.632	119	209575	0.423	ppbv	94
70) n-Butylbenzene	18.529	91	195149	0.428	ppbv	98
71) 2-Chlorotoluene	15.433	91	163778	0.461	ppbv	99
72) 4-Ethyltoluene	15.815	105	163320	0.398	ppbv #	93
73) 1,3,5-Trimethylbenzene	15.976	105	184977m	0.481	ppbv	
74) 1,2,4-Trimethylbenzene	16.738	105	196467	0.488	ppbv #	88
75) 1,3-Dichlorobenzene	16.976	146	137710m	0.549	ppbv	
76) 1,4-Dichlorobenzene	17.117	146	129944m	0.535	ppbv	
77) 1,2-Dichlorobenzene	17.793	146	127151m	0.540	ppbv	
78) Hexachloro-1,3-Butadiene	23.349	225	118042	0.586	ppbv	98
79) Naphthalene	22.172	128	82910m	0.357	ppbv	
80) Naphthalene,2-methyl-	24.995	142	5231m	0.116	ppbv	
81) 1,2,4-Trichlorobenzene	21.905	180	56018m	0.371	ppbv	

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

