

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL052322\
 Data File : VL039087.D
 Acq On : 23 May 2022 16:23
 Operator : SY/AP
 Sample : 0.4 MDL
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 0.4 MDL

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 05/25/2022
 Supervised By : Mahesh Dadoda 05/26/2022

Quant Time: May 24 05:58:53 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL050522AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu May 26 12:59:29 2022

QLast Update : Thu May 05 10:12:15 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.652	49	1075560	10.000	ppbv	-0.01
33) 1,4-Difluorobenzene	7.160	114	2520782	10.000	ppbv	-0.01
55) Chlorobenzene-d5	12.063	117	2202932	10.000	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 14.391 95 1901026 10.897 ppbv -0.01
 Spiked Amount 10.000 Range 65 - 135 Recovery = 109.000%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.044	85	87662	0.520	ppbv	94
3) Chlorodifluoromethane	2.986	51	58878	0.441	ppbv	99
4) Chloromethane	3.137	50	29743m	0.445	ppbv	
5) Vinyl Chloride	3.253	62	27115	0.444	ppbv	93
6) Bromomethane	3.469	94	15150m	0.525	ppbv	
7) Chloroethane	3.549	64	9816	0.481	ppbv	95
8) Dichlorotetrafluoroethane	3.179	85	64903	0.425	ppbv	97
9) Propene	3.009	41	24508	0.420	ppbv	99
10) Heptane	8.105	43	46477	0.325	ppbv	94
11) Trichlorofluoromethane	3.948	101	72556m	0.502	ppbv	
12) 1,1,2-Trichlorotrifluoro...	4.472	101	45760	0.459	ppbv	97
13) Ethanol	3.610	45	2438m	0.591	ppbv	
14) Bromoethene	3.729	108	16699	0.407	ppbv	83
15) Acetone	3.858	43	67888m	0.669	ppbv	
16) 1,3-Butadiene	3.324	39	25625m	0.440	ppbv	
17) tert-Butyl alcohol	4.295	59	37479m	0.481	ppbv	
18) 1,1-Dichloroethene	4.282	96	21826m	0.509	ppbv	
19) Isopropyl Alcohol	3.970	45	23562m	0.488	ppbv	
20) Methylene Chloride	4.337	84	24986m	0.653	ppbv	
21) Allyl Chloride	4.398	41	29337m	0.424	ppbv	
22) trans-1,2-Dichloroethene	4.877	96	22949m	0.496	ppbv	
23) Vinyl Acetate	5.070	43	41912m	0.522	ppbv	
24) 1,1-Dichloroethane	4.996	63	39228	0.424	ppbv	99
25) Ethyl Acetate	5.677	43	90439m	0.372	ppbv	
26) Hexane	5.674	57	40564	0.376	ppbv	95
27) Carbon Disulfide	4.539	76	38367m	0.374	ppbv	
28) Methyl tert-Butyl Ether	5.034	73	45138m	0.550	ppbv	
29) Chloroform	5.735	83	71884m	0.412	ppbv	
30) Cyclohexane	7.118	84	37541m	0.416	ppbv	
31) cis-1,2-Dichloroethene	5.539	61	43252m	0.393	ppbv	
32) 1,1,1-Trichloroethane	6.494	97	68122	0.390	ppbv	95
34) 2-Butanone	5.247	43	57052m	0.444	ppbv	
35) Carbon Tetrachloride	7.002	117	63375	0.382	ppbv	88
36) Benzene	6.874	78	72493m	0.336	ppbv	
37) 1,2-Dichloroethane	6.292	62	56296	0.422	ppbv	100
38) Trichloroethene	7.816	130	33311	0.347	ppbv	91
39) 1,2-Dichloropropane	7.597	63	32352m	0.385	ppbv	
40) 1,4-Dioxane	7.851	88	12137m	0.403	ppbv	
41) Tetrahydrofuran	6.054	42	28801m	0.333	ppbv	
42) Bromodichloromethane	7.767	83	70233m	0.385	ppbv	
43) Methyl Methacrylate	7.999	69	26990m	0.308	ppbv	
44) 2,2,4-Trimethylpentane	7.848	57	133384m	0.352	ppbv	
45) t-1,3-Dichloropropene	9.262	75	23175m	0.273	ppbv	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.684	75	32870m	0.292	ppbv	
47) 1,1,2-Trichloroethane	9.462	97	33077m	0.379	ppbv	
48) Dibromochloromethane	10.285	129	44529m	0.313	ppbv	
49) Bromoform	13.018	173	33003m	0.305	ppbv	
50) 4-Methyl-2-Pentanone	8.745	43	73158m	0.324	ppbv	
51) 2-Hexanone	10.127	43	53177m	0.323	ppbv	
52) Tetrachloroethene	11.201	164	29299m	0.380	ppbv	
53) Toluene	9.787	91	75783	0.313	ppbv	96
54) 1,2-Dibromoethane	10.587	107	39529	0.333	ppbv	85
56) 1,1,1,2-Tetrachloroethane	12.102	131	39325m	0.407	ppbv	
57) Chlorobenzene	12.127	112	69952m	0.424	ppbv	
58) Ethyl Benzene	12.690	91	112866m	0.356	ppbv	
59) m/p-Xylene	12.973	91	201742m	0.745	ppbv	
60) o-Xylene	13.667	91	91398	0.359	ppbv	95
61) Styrene	13.507	104	41055m	0.302	ppbv	
62) Isopropylbenzene	14.648	105	136957	0.368	ppbv	97
63) 1,1,2,2-Tetrachloroethane	13.658	83	56648m	0.378	ppbv	
64) n-propylbenzene	15.532	120	34217m	0.380	ppbv	
65) tert-Butylbenzene	16.719	119	119180	0.365	ppbv	90
66) Benzyl Chloride	16.966	91	12004m	0.281	ppbv	
67) sec-Butylbenzene	17.272	105	168378m	0.361	ppbv	
69) p-Isopropyltoluene	17.635	119	127440m	0.338	ppbv	
70) n-Butylbenzene	18.529	91	132224	0.330	ppbv	98
71) 2-Chlorotoluene	15.433	91	100439	0.350	ppbv	99
72) 4-Ethyltoluene	15.819	105	93999	0.324	ppbv #	91
73) 1,3,5-Trimethylbenzene	15.976	105	92490m	0.354	ppbv	
74) 1,2,4-Trimethylbenzene	16.738	105	97448	0.341	ppbv #	87
75) 1,3-Dichlorobenzene	16.966	146	60985m	0.389	ppbv	
76) 1,4-Dichlorobenzene	17.121	146	61761m	0.400	ppbv	
77) 1,2-Dichlorobenzene	17.799	146	56963m	0.367	ppbv	
78) Hexachloro-1,3-Butadiene	23.346	225	58627m	0.411	ppbv	
79) Naphthalene	22.178	128	67214m	0.289	ppbv	
80) Naphthalene,2-methyl-	24.985	142	9230m	0.131	ppbv	
81) 1,2,4-Trichlorobenzene	21.892	180	42669m	0.313	ppbv	

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

