

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL062222\
 Data File : VL039324.D
 Acq On : 22 Jun 2022 17:40
 Operator : SY/AP
 Sample : N3214-14 LOQ 0.1
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT2-2022

Quant Time: Jun 23 07:28:52 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL053122AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jun 23 07:28:52 2022

QLast Update : Wed Jun 01 01:22:18 2022

Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 06/24/2022
 Supervised By : Mahesh Dadoda 06/28/2022

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

Internal Standards						
1) Bromochloromethane	5.664	49	1157864	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	7.172	114	3379177	10.000	ppbv	0.00
55) Chlorobenzene-d5	12.079	117	3006884	10.000	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 14.410 95 2234889 8.990 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 89.900%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.047	85	30009	0.148	ppbv	92
3) Chlorodifluoromethane	2.996	51	16873m	0.115	ppbv	
4) Chloromethane	3.144	50	9377m	0.124	ppbv	
5) Vinyl Chloride	3.259	62	9818m	0.139	ppbv	
6) Bromomethane	3.472	94	5063m	0.145	ppbv	
7) Chloroethane	3.558	64	3774m	0.153	ppbv	
8) Dichlorotetrafluoroethane	3.192	85	22061	0.119	ppbv #	80
9) Propene	3.015	41	14742m	0.229	ppbv	
10) Heptane	8.111	43	15131m	0.101	ppbv	
11) Trichlorofluoromethane	3.951	101	22309m	0.121	ppbv	
12) 1,1,2-Trichlorotrifluoro...	4.488	101	18204	0.150	ppbv	94
13) Ethanol	3.600	45	166	0.047	ppbv #	100
14) Bromoethene	3.742	108	5823	0.106	ppbv #	74
15) Acetone	3.874	43	22062m	0.183	ppbv	
16) 1,3-Butadiene	3.333	39	9844m	0.152	ppbv	
17) tert-Butyl alcohol	4.317	59	11944m	0.128	ppbv	
18) 1,1-Dichloroethene	4.288	96	7616m	0.139	ppbv	
19) Isopropyl Alcohol	4.009	45	8624m	0.152	ppbv	
20) Methylene Chloride	4.346	84	11949m	0.235	ppbv	
21) Allyl Chloride	4.411	41	12343m	0.152	ppbv	
22) trans-1,2-Dichloroethene	4.883	96	6705m	0.128	ppbv	
23) Vinyl Acetate	5.086	43	11809m	0.118	ppbv	
24) 1,1-Dichloroethane	5.012	63	14961	0.109	ppbv #	95
25) Ethyl Acetate	5.690	43	29026m	0.107	ppbv	
26) Hexane	5.690	57	13770m	0.115	ppbv	
27) Carbon Disulfide	4.552	76	12361m	0.100	ppbv	
28) Methyl tert-Butyl Ether	5.050	73	14020m	0.106	ppbv	
29) Chloroform	5.748	83	23585m	0.117	ppbv	
30) Cyclohexane	7.140	84	14418m	0.144	ppbv	
31) cis-1,2-Dichloroethene	5.549	61	13096m	0.108	ppbv	
32) 1,1,1-Trichloroethane	6.507	97	19722m	0.100	ppbv	
34) 2-Butanone	5.266	43	19508m	0.106	ppbv	
35) Carbon Tetrachloride	7.015	117	19999m	0.081	ppbv	
36) Benzene	6.890	78	26527	0.097	ppbv	99
37) 1,2-Dichloroethane	6.301	62	15453m	0.086	ppbv	
38) Trichloroethene	7.832	130	13971m	0.111	ppbv	
39) 1,2-Dichloropropane	7.613	63	12027m	0.110	ppbv	
40) 1,4-Dioxane	7.896	88	4480m	0.125	ppbv	
41) Tetrahydrofuran	6.082	42	10723m	0.097	ppbv	
42) Bromodichloromethane	7.793	83	17907m	0.071	ppbv	
43) Methyl Methacrylate	8.028	69	8917m	0.083	ppbv	
44) 2,2,4-Trimethylpentane	7.861	57	42637m	0.089	ppbv	
45) t-1,3-Dichloropropene	9.269	75	5226m	0.047	ppbv	

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.697	75	9094m	0.062	ppbv	
47) 1,1,2-Trichloroethane	9.471	97	10986m	0.097	ppbv	
48) Dibromochloromethane	10.295	129	12753m	0.063	ppbv	
49) Bromoform	13.031	173	9334m	0.055	ppbv	
50) 4-Methyl-2-Pentanone	8.770	43	22032m	0.080	ppbv	
51) 2-Hexanone	10.172	43	14215m	0.066	ppbv	
52) Tetrachloroethene	11.221	164	10565m	0.099	ppbv	
53) Toluene	9.809	91	26939m	0.085	ppbv	
54) 1,2-Dibromoethane	10.603	107	14947m	0.098	ppbv	
56) 1,1,1,2-Tetrachloroethane	12.127	131	13254m	0.093	ppbv	
57) Chlorobenzene	12.134	112	27827m	0.123	ppbv	
58) Ethyl Benzene	12.709	91	35623m	0.086	ppbv	
59) m/p-Xylene	12.979	91	57369m	0.157	ppbv	
60) o-Xylene	13.683	91	27229m	0.079	ppbv	
61) Styrene	13.513	104	12180m	0.066	ppbv	
62) Isopropylbenzene	14.664	105	49439m	0.097	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.683	83	16953m	0.088	ppbv	
64) n-propylbenzene	15.558	120	10485m	0.084	ppbv	
65) tert-Butylbenzene	16.744	119	39671m	0.085	ppbv	
66) Benzyl Chloride	16.989	91	3373m	0.056	ppbv	
67) sec-Butylbenzene	17.294	105	53987m	0.085	ppbv	
69) p-Isopropyltoluene	17.654	119	41291m	0.077	ppbv	
70) n-Butylbenzene	18.545	91	36717m	0.067	ppbv	
71) 2-Chlorotoluene	15.449	91	35012m	0.090	ppbv	
72) 4-Ethyltoluene	15.835	105	30615m	0.076	ppbv	
73) 1,3,5-Trimethylbenzene	15.995	105	29209m	0.081	ppbv	
74) 1,2,4-Trimethylbenzene	16.761	105	32149m	0.080	ppbv	
75) 1,3-Dichlorobenzene	16.986	146	24948m	0.109	ppbv	
76) 1,4-Dichlorobenzene	17.133	146	22806m	0.100	ppbv	
77) 1,2-Dichlorobenzene	17.818	146	24278m	0.105	ppbv	
78) Hexachloro-1,3-Butadiene	23.368	225	22935m	0.109	ppbv	
79) Naphthalene	22.210	128	16343m	0.053	ppbv	
81) 1,2,4-Trichlorobenzene	21.924	180	14188m	0.072	ppbv	

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

