

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL062722\
 Data File : VL039392.D
 Acq On : 28 Jun 2022 13:48
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 06/29/2022
 Supervised By : Mahesh Dadoda 06/30/2022

Quant Time: Jun 29 06:06:30 2022

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jun 01 01:22:18 2022

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

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.655	49	1097615	10.000	ppbv	-0.02
33) 1,4-Difluorobenzene	7.163	114	3032803	10.000	ppbv	-0.02
55) Chlorobenzene-d5	12.069	117	2794556m	10.000	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 14.397 95 2237713 9.686 ppbv -0.02
 Spiked Amount 10.000 Range 65 - 135 Recovery = 96.900%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.041	85	1423370	7.383	ppbv	96
3) Chlorodifluoromethane	2.983	51	1439143	10.305	ppbv	98
4) Chloromethane	3.134	50	711541	9.919	ppbv	100
5) Vinyl Chloride	3.250	62	734610	10.954	ppbv	99
6) Bromomethane	3.465	94	340941	10.335	ppbv	98
7) Chloroethane	3.549	64	266630	11.410	ppbv	97
8) Dichlorotetrafluoroethane	3.179	85	1774659	10.072	ppbv	97
9) Propene	3.002	41	616454	10.123	ppbv	100
10) Heptane	8.108	43	1620374	11.406	ppbv	99
11) Trichlorofluoromethane	3.941	101	1737823	9.958	ppbv	100
12) 1,1,2-Trichlorotrifluo...	4.475	101	1302069	11.282	ppbv	100
13) Ethanol	3.591	45	45624m	13.738	ppbv	
14) Bromoethene	3.732	108	555426	10.706	ppbv	96
15) Acetone	3.835	43	1584195	13.856	ppbv	98
16) 1,3-Butadiene	3.321	39	723794	11.776	ppbv	93
17) tert-Butyl alcohol	4.269	59	1283872	14.477	ppbv	98
18) 1,1-Dichloroethene	4.282	96	581864	11.239	ppbv	96
19) Isopropyl Alcohol	3.948	45	666595	12.430	ppbv #	97
20) Methylene Chloride	4.333	84	476719	9.894	ppbv	90
21) Allyl Chloride	4.401	41	877605	11.378	ppbv	98
22) trans-1,2-Dichloroethene	4.874	96	585352	11.751	ppbv	96
23) Vinyl Acetate	5.057	43	947318	10.014	ppbv	98
24) 1,1-Dichloroethane	4.999	63	1211515	9.347	ppbv	99
25) Ethyl Acetate	5.661	43	3147427	12.214	ppbv	99
26) Hexane	5.674	57	1202287	10.617	ppbv	86
27) Carbon Disulfide	4.539	76	1353603	11.533	ppbv	99
28) Methyl tert-Butyl Ether	5.021	73	1072953	8.582	ppbv	96
29) Chloroform	5.738	83	1915582	10.052	ppbv	94
30) Cyclohexane	7.118	84	1041012	10.942	ppbv	98
31) cis-1,2-Dichloroethene	5.536	61	1207528	10.457	ppbv	94
32) 1,1,1-Trichloroethane	6.497	97	1914119	10.265	ppbv	99
34) 2-Butanone	5.227	43	1708149	10.367	ppbv	99
35) Carbon Tetrachloride	7.002	117	2009898	9.080	ppbv	99
36) Benzene	6.877	78	2549165	10.353	ppbv	99
37) 1,2-Dichloroethane	6.291	62	1464865	9.040	ppbv #	97
38) Trichloroethene	7.822	130	1124295	9.941	ppbv	96
39) 1,2-Dichloropropane	7.597	63	962641	9.829	ppbv	98
40) 1,4-Dioxane	7.822	88	255840	7.935	ppbv #	1
41) Tetrahydrofuran	6.031	42	991182	10.002	ppbv	99
42) Bromodichloromethane	7.777	83	2046416	9.100	ppbv	98
43) Methyl Methacrylate	7.999	69	1076402	11.223	ppbv	98
44) 2,2,4-Trimethylpentane	7.854	57	4233904	9.830	ppbv	98
45) t-1,3-Dichloropropene	9.262	75	805963	8.069	ppbv	100

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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jun 6

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

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.687	75	1163448	8.817	ppbv	97
47) 1,1,2-Trichloroethane	9.462	97	1065813	10.431	ppbv	96
48) Dibromochloromethane	10.288	129	1820926	9.981	ppbv	99
49) Bromoform	13.021	173	1515214	9.966	ppbv	99
50) 4-Methyl-2-Pentanone	8.722	43	2642441	10.714	ppbv	99
51) 2-Hexanone	10.111	43	2010202	10.475	ppbv #	98
52) Tetrachloroethene	11.208	164	1012537	10.533	ppbv	99
53) Toluene	9.790	91	3084501	10.879	ppbv	99
54) 1,2-Dibromoethane	10.594	107	1496314	10.898	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.111	131	1438836	10.881	ppbv	94
57) Chlorobenzene	12.127	112	2363718	11.241	ppbv	92
58) Ethyl Benzene	12.693	91	4201076	10.914	ppbv	99
59) m/p-Xylene	12.979	91	7241690m	21.363	ppbv	
60) o-Xylene	13.674	91	3481583	10.930	ppbv	99
61) Styrene	13.507	104	1983622	11.629	ppbv	96
62) Isopropylbenzene	14.648	105	5381038	11.366	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.658	83	2187917	12.237	ppbv	100
64) n-propylbenzene	15.542	120	1424938	12.244	ppbv	91
65) tert-Butylbenzene	16.725	119	4875702	11.263	ppbv	96
66) Benzyl Chloride	16.966	91	301468	5.356	ppbv	98
67) sec-Butylbenzene	17.275	105	6759069	11.443	ppbv	99
69) p-Isopropyltoluene	17.632	119	5843068	11.725	ppbv	98
70) n-Butylbenzene	18.529	91	5780667	11.301	ppbv	99
71) 2-Chlorotoluene	15.433	91	3933841	10.896	ppbv	96
72) 4-Ethyltoluene	15.822	105	4329719	11.598	ppbv	98
73) 1,3,5-Trimethylbenzene	15.976	105	3939015	11.699	ppbv	99
74) 1,2,4-Trimethylbenzene	16.744	105	4211363	11.208	ppbv	92
75) 1,3-Dichlorobenzene	16.976	146	2479514	11.658	ppbv	99
76) 1,4-Dichlorobenzene	17.117	146	2467721	11.629	ppbv	96
77) 1,2-Dichlorobenzene	17.796	146	2428164	11.328	ppbv	99
78) Hexachloro-1,3-Butadiene	23.352	225	1925840	9.825	ppbv	99
79) Naphthalene	22.169	128	3608455	12.475	ppbv	98
80) Naphthalene,2-methyl-	24.950	142	1020378	9.495	ppbv	93
81) 1,2,4-Trichlorobenzene	21.895	180	2023687	11.043	ppbv #	100

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

