

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL060822\
 Data File : VL039251.D
 Acq On : 9 Jun 2022 1:45
 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 06/09/2022
 Supervised By : Mahesh Dadoda 06/09/2022

Quant Time: Jun 09 06:44:43 2022

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jun 09 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	5.687	49	932887	10.000	ppbv	0.01
33) 1,4-Difluorobenzene	7.195	114	2057773	10.000	ppbv	0.01
55) Chlorobenzene-d5	12.105	117	1868607	10.000	ppbv	0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 14.433 95 1888857 12.227 ppbv 0.02
 Spiked Amount 10.000 Range 65 - 135 Recovery = 122.300%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.063	85	1084784	6.620	ppbv	96
3) Chlorodifluoromethane	3.005	51	1266865	10.673	ppbv	92
4) Chloromethane	3.160	50	642840	10.543	ppbv	99
5) Vinyl Chloride	3.272	62	669796	11.751	ppbv	98
6) Bromomethane	3.488	94	353295	12.600	ppbv	99
7) Chloroethane	3.575	64	267356	13.462	ppbv	100
8) Dichlorotetrafluoroethane	3.205	85	1784179	11.914	ppbv	96
9) Propene	3.028	41	422646	8.166	ppbv	99
10) Heptane	8.140	43	1121721	9.290	ppbv	100
11) Trichlorofluoromethane	3.970	101	2189063	14.759	ppbv	98
12) 1,1,2-Trichlorotrifluo...	4.504	101	1410242	14.377	ppbv	100
13) Ethanol	3.610	45	38014	13.468	ppbv #	100
14) Bromoethene	3.755	108	587472	13.323	ppbv #	98
15) Acetone	3.861	43	1464791	15.073	ppbv	97
16) 1,3-Butadiene	3.346	39	632373	12.105	ppbv	98
17) tert-Butyl alcohol	4.301	59	1064010	14.116	ppbv	100
18) 1,1-Dichloroethene	4.308	96	649334	14.757	ppbv	90
19) Isopropyl Alcohol	3.973	45	593944	13.031	ppbv #	95
20) Methylene Chloride	4.362	84	532834	13.011	ppbv	98
21) Allyl Chloride	4.427	41	944886	14.414	ppbv	96
22) trans-1,2-Dichloroethene	4.903	96	661455	15.624	ppbv	97
23) Vinyl Acetate	5.089	43	1007200	12.527	ppbv	99
24) 1,1-Dichloroethane	5.028	63	1408673	12.787	ppbv	100
25) Ethyl Acetate	5.690	43	2244399	10.247	ppbv	99
26) Hexane	5.706	57	917794	9.535	ppbv	91
27) Carbon Disulfide	4.568	76	1545875	15.496	ppbv	99
28) Methyl tert-Butyl Ether	5.050	73	1263619	11.892	ppbv	98
29) Chloroform	5.771	83	1773927	10.953	ppbv	98
30) Cyclohexane	7.150	84	700181	8.659	ppbv	94
31) cis-1,2-Dichloroethene	5.568	61	1016018	10.353	ppbv	91
32) 1,1,1-Trichloroethane	6.529	97	1883392	11.884	ppbv	98
34) 2-Butanone	5.259	43	1394740	12.476	ppbv	96
35) Carbon Tetrachloride	7.037	117	2096214	13.957	ppbv	99
36) Benzene	6.912	78	1751041	10.482	ppbv #	95
37) 1,2-Dichloroethane	6.324	62	1561319	14.201	ppbv #	96
38) Trichloroethene	7.854	130	901688	11.751	ppbv	96
39) 1,2-Dichloropropane	7.629	63	670136	10.085	ppbv #	83
40) 1,4-Dioxane	7.848	88	248951	11.380	ppbv #	1
41) Tetrahydrofuran	6.063	42	693389	10.313	ppbv	99
42) Bromodichloromethane	7.812	83	2008806	13.165	ppbv	98
43) Methyl Methacrylate	8.034	69	754871	11.600	ppbv	95
44) 2,2,4-Trimethylpentane	7.886	57	3047194	10.427	ppbv	94
45) t-1,3-Dichloropropene	9.295	75	963205	14.213	ppbv	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.722	75	1123795	12.552	ppbv	90
47) 1,1,2-Trichloroethane	9.494	97	763674	11.016	ppbv	98
48) Dibromochloromethane	10.320	129	1619261	13.081	ppbv	99
49) Bromoform	13.060	173	1319449	12.791	ppbv	98
50) 4-Methyl-2-Pentanone	8.758	43	2017765	12.058	ppbv	97
51) 2-Hexanone	10.147	43	1606419	12.337	ppbv #	92
52) Tetrachloroethene	11.243	164	682094	10.457	ppbv	88
53) Toluene	9.825	91	2119197	11.016	ppbv	98
54) 1,2-Dibromoethane	10.629	107	1137228	12.208	ppbv	95
56) 1,1,1,2-Tetrachloroethane	12.143	131	1107482	12.525	ppbv	96
57) Chlorobenzene	12.166	112	1604832	11.414	ppbv	95
58) Ethyl Benzene	12.729	91	3039461	11.809	ppbv	96
59) m/p-Xylene	13.015	91	5694909m	25.125	ppbv	
60) o-Xylene	13.709	91	2821782	13.249	ppbv	95
61) Styrene	13.545	104	1433145	12.566	ppbv	96
62) Isopropylbenzene	14.683	105	4020079	12.699	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.693	83	1443518	12.075	ppbv	100
64) n-propylbenzene	15.581	120	998623	12.833	ppbv	91
65) tert-Butylbenzene	16.761	119	3839910	13.265	ppbv	93
66) Benzyl Chloride	17.005	91	654254	17.382	ppbv	97
67) sec-Butylbenzene	17.310	105	5333429	13.504	ppbv	99
69) p-Isopropyltoluene	17.667	119	4501635	13.509	ppbv	97
70) n-Butylbenzene	18.564	91	4735802	13.846	ppbv	98
71) 2-Chlorotoluene	15.468	91	3126303	12.951	ppbv	98
72) 4-Ethyltoluene	15.854	105	3252569	13.030	ppbv	97
73) 1,3,5-Trimethylbenzene	16.011	105	3036197	13.486	ppbv	96
74) 1,2,4-Trimethylbenzene	16.780	105	3470063	13.811	ppbv	94
75) 1,3-Dichlorobenzene	17.015	146	1878576	13.210	ppbv	98
76) 1,4-Dichlorobenzene	17.156	146	1856978	13.087	ppbv	97
77) 1,2-Dichlorobenzene	17.828	146	1822086	12.712	ppbv	97
78) Hexachloro-1,3-Butadiene	23.387	225	1683869	12.847	ppbv	99
79) Naphthalene	22.214	128	2889630	14.940	ppbv	100
80) Naphthalene,2-methyl-	24.982	142	1070552	14.898	ppbv	93
81) 1,2,4-Trichlorobenzene	21.944	180	1621777	13.236	ppbv #	100

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

