

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL062722\
 Data File : VL039360.D
 Acq On : 27 Jun 2022 13:45
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

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

Quant Time: Jun 28 02:32:00 2022

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

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)

Internal Standards						
1) Bromochloromethane	5.668	49	1174898	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	7.179	114	3261273	10.000	ppbv	0.00
55) Chlorobenzene-d5	12.085	117	3030799m	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 14.417 95 2365866 9.442 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 94.400%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.050	85	1630543	7.901	ppbv	100
3) Chlorodifluoromethane	2.993	51	1416795	9.477	ppbv	100
4) Chloromethane	3.144	50	759790	9.895	ppbv	100
5) Vinyl Chloride	3.259	62	735336	10.244	ppbv	97
6) Bromomethane	3.475	94	345288	9.778	ppbv	98
7) Chloroethane	3.562	64	280392	11.210	ppbv #	86
8) Dichlorotetrafluoroethane	3.192	85	1897617	10.061	ppbv	96
9) Propene	3.012	41	609888	9.356	ppbv	98
10) Heptane	8.127	43	1615596	10.625	ppbv	99
11) Trichlorofluoromethane	3.954	101	1906950	10.208	ppbv	100
12) 1,1,2-Trichlorotrifluo...	4.488	101	1430755	11.582	ppbv	98
13) Ethanol	3.600	45	32313m	9.090	ppbv	
14) Bromoethene	3.745	108	604846	10.891	ppbv	97
15) Acetone	3.851	43	1388236	11.343	ppbv	96
16) 1,3-Butadiene	3.330	39	736055	11.188	ppbv	96
17) tert-Butyl alcohol	4.285	59	1225377	12.908	ppbv	99
18) 1,1-Dichloroethene	4.295	96	641593	11.578	ppbv	94
19) Isopropyl Alcohol	3.964	45	713056	12.422	ppbv #	97
20) Methylene Chloride	4.346	84	502775	9.748	ppbv	93
21) Allyl Chloride	4.417	41	1005860	12.183	ppbv	99
22) trans-1,2-Dichloroethene	4.886	96	630650	11.828	ppbv	96
23) Vinyl Acetate	5.076	43	1129397	11.153	ppbv	99
24) 1,1-Dichloroethane	5.015	63	1432317	10.324	ppbv	99
25) Ethyl Acetate	5.677	43	2897778	10.505	ppbv	99
26) Hexane	5.690	57	1216851	10.038	ppbv	95
27) Carbon Disulfide	4.552	76	1508638	12.008	ppbv	100
28) Methyl tert-Butyl Ether	5.034	73	1326338	9.911	ppbv	99
29) Chloroform	5.755	83	1991410	9.763	ppbv	100
30) Cyclohexane	7.131	84	1055669	10.367	ppbv	97
31) cis-1,2-Dichloroethene	5.552	61	1230997	9.959	ppbv	97
32) 1,1,1-Trichloroethane	6.513	97	2042426	10.233	ppbv	99
34) 2-Butanone	5.243	43	1712363	9.665	ppbv	99
35) Carbon Tetrachloride	7.021	117	2189936	9.200	ppbv	97
36) Benzene	6.893	78	2548071	9.624	ppbv	99
37) 1,2-Dichloroethane	6.308	62	1545877	8.872	ppbv	98
38) Trichloroethene	7.838	130	1361790	11.198	ppbv	93
39) 1,2-Dichloropropane	7.619	63	942093	8.946	ppbv	95
40) 1,4-Dioxane	7.828	88	358540	10.341	ppbv #	1
41) Tetrahydrofuran	6.050	42	984139	9.235	ppbv	100
42) Bromodichloromethane	7.793	83	2164651	8.951	ppbv	97
43) Methyl Methacrylate	8.015	69	1035843	10.044	ppbv	98
44) 2,2,4-Trimethylpentane	7.873	57	4308679	9.302	ppbv	98
45) t-1,3-Dichloropropene	9.279	75	1008371	9.388	ppbv	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.706	75	1327152	9.353	ppbv	97
47) 1,1,2-Trichloroethane	9.478	97	1072297	9.760	ppbv	98
48) Dibromochloromethane	10.307	129	1940566	9.892	ppbv	98
49) Bromoform	13.044	173	1578028	9.652	ppbv	99
50) 4-Methyl-2-Pentanone	8.742	43	2658000	10.022	ppbv	99
51) 2-Hexanone	10.131	43	2008483	9.733	ppbv #	98
52) Tetrachloroethene	11.230	164	1013718m	9.806	ppbv	
53) Toluene	9.806	91	3065799	10.056	ppbv	100
54) 1,2-Dibromoethane	10.610	107	1435192	9.721	ppbv	94
56) 1,1,1,2-Tetrachloroethane	12.127	131	1403144	9.784	ppbv	99
57) Chlorobenzene	12.150	112	2376828	10.423	ppbv	96
58) Ethyl Benzene	12.712	91	4170658	9.990	ppbv	98
59) m/p-Xylene	12.999	91	7211102m	19.615	ppbv	
60) o-Xylene	13.693	91	3471254	10.048	ppbv	100
61) Styrene	13.529	104	2010567	10.869	ppbv	96
62) Isopropylbenzene	14.667	105	5123170	9.978	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.677	83	1724453	8.893	ppbv	100
64) n-propylbenzene	15.561	120	1362429	10.794	ppbv	88
65) tert-Butylbenzene	16.744	119	4729793	10.074	ppbv	95
66) Benzyl Chloride	16.989	91	490101	8.028	ppbv	99
67) sec-Butylbenzene	17.291	105	6417860	10.018	ppbv	99
69) p-Isopropyltoluene	17.651	119	5561703	10.290	ppbv	98
70) n-Butylbenzene	18.548	91	5441461	9.809	ppbv	99
71) 2-Chlorotoluene	15.452	91	3765785	9.618	ppbv	97
72) 4-Ethyltoluene	15.838	105	4256684	10.514	ppbv	99
73) 1,3,5-Trimethylbenzene	15.995	105	3849315	10.541	ppbv	100
74) 1,2,4-Trimethylbenzene	16.764	105	4125219	10.123	ppbv #	91
75) 1,3-Dichlorobenzene	16.995	146	2400103	10.405	ppbv	99
76) 1,4-Dichlorobenzene	17.137	146	2342628	10.179	ppbv	98
77) 1,2-Dichlorobenzene	17.815	146	2346392	10.093	ppbv	99
78) Hexachloro-1,3-Butadiene	23.368	225	1768454	8.319	ppbv	99
79) Naphthalene	22.188	128	3419074	10.899	ppbv	99
80) Naphthalene,2-methyl-	24.966	142	1119188	9.602	ppbv	97
81) 1,2,4-Trichlorobenzene	21.918	180	1978235	9.954	ppbv #	100

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

