

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031422\
 Data File : VL038607.D
 Acq On : 15 Mar 2022 9:43
 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 03/15/2022
 Supervised By : Mahesh Dadoda 03/18/2022

Quant Time: Mar 15 10:49:46 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL030822AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Mar 15 10:49:46 2022

QLast Update : Tue Mar 08 21:18:44 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.649	49	832354	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	7.153	114	2202639	10.000	ppbv	0.00
55) Chlorobenzene-d5	12.060	117	2186139m	10.000	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 14.388 95 1597876 9.614 ppbv -0.01
 Spiked Amount 10.000 Range 65 - 135 Recovery = 96.100%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.044	85	1378181	10.962	ppbv	99
3) Chlorodifluoromethane	2.983	51	1452329	9.895	ppbv	100
4) Chloromethane	3.134	50	569018	10.459	ppbv	97
5) Vinyl Chloride	3.250	62	556075	10.183	ppbv	99
6) Bromomethane	3.465	94	296313	10.109	ppbv	99
7) Chloroethane	3.549	64	187219	10.588	ppbv	95
8) Dichlorotetrafluoroethane	3.179	85	1316701	10.804	ppbv	100
9) Propene	3.002	41	503196	9.716	ppbv	98
10) Heptane	8.099	43	1336009	10.784	ppbv	98
11) Trichlorofluoromethane	3.941	101	1166979	10.587	ppbv	97
12) 1,1,2-Trichlorotrifluo...	4.472	101	919665	10.731	ppbv	99
13) Ethanol	3.597	45	41980	7.057	ppbv	92
14) Bromoethene	3.729	108	413732	11.330	ppbv	100
15) Acetone	3.835	43	608266	10.360	ppbv	97
16) 1,3-Butadiene	3.317	39	495863	10.511	ppbv	96
17) tert-Butyl alcohol	4.269	59	741935	11.631	ppbv	99
18) 1,1-Dichloroethene	4.276	96	408276	10.645	ppbv	98
19) Isopropyl Alcohol	3.948	45	419596	10.703	ppbv	100
20) Methylene Chloride	4.330	84	337730	9.559	ppbv	99
21) Allyl Chloride	4.398	41	591924	10.461	ppbv	99
22) trans-1,2-Dichloroethene	4.874	96	438102	10.896	ppbv	97
23) Vinyl Acetate	5.054	43	902839	10.728	ppbv	99
24) 1,1-Dichloroethane	4.996	63	805617	10.525	ppbv	100
25) Ethyl Acetate	5.658	43	2103144	10.637	ppbv	100
26) Hexane	5.668	57	975832	10.509	ppbv	99
27) Carbon Disulfide	4.536	76	1090534	11.792	ppbv	98
28) Methyl tert-Butyl Ether	5.018	73	803317	10.630	ppbv	99
29) Chloroform	5.735	83	1528511	10.578	ppbv	98
30) Cyclohexane	7.108	84	875233	10.899	ppbv	95
31) cis-1,2-Dichloroethene	5.530	61	928859	10.457	ppbv	98
32) 1,1,1-Trichloroethane	6.491	97	1466048	10.462	ppbv	99
34) 2-Butanone	5.224	43	654415	11.462	ppbv	98
35) Carbon Tetrachloride	6.996	117	1552655	10.334	ppbv	98
36) Benzene	6.870	78	2117017	10.651	ppbv	99
37) 1,2-Dichloroethane	6.288	62	1019475	10.733	ppbv	100
38) Trichloroethene	7.812	130	821771	10.350	ppbv	99
39) 1,2-Dichloropropane	7.591	63	821997	10.753	ppbv	99
40) 1,4-Dioxane	7.812	88	212541	11.109	ppbv	88
41) Tetrahydrofuran	6.028	42	501068	10.728	ppbv	99
42) Bromodichloromethane	7.771	83	1642773	10.907	ppbv	100
43) Methyl Methacrylate	7.992	69	766930	11.241	ppbv	96
44) 2,2,4-Trimethylpentane	7.845	57	3468575	10.321	ppbv	100
45) t-1,3-Dichloropropene	9.253	75	618569	12.580	ppbv	96

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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Mar 08 2022

QLast Update : Tue Mar 08 21:18:44 2022

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.677	75	819378	12.187	ppbv	96
47) 1,1,2-Trichloroethane	9.452	97	884677	11.355	ppbv	97
48) Dibromochloromethane	10.279	129	1500851	12.133	ppbv	100
49) Bromoform	13.015	173	1301698	13.738	ppbv	100
50) 4-Methyl-2-Pentanone	8.719	43	1446312	12.358	ppbv	100
51) 2-Hexanone	10.111	43	663928	13.424	ppbv #	100
52) Tetrachloroethene	11.198	164	772761	10.607	ppbv	99
53) Toluene	9.780	91	2418824	11.400	ppbv	99
54) 1,2-Dibromoethane	10.587	107	1282690	11.522	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.098	131	976451	10.966	ppbv	100
57) Chlorobenzene	12.121	112	1763765	10.567	ppbv	97
58) Ethyl Benzene	12.684	91	3156502	11.152	ppbv	98
59) m/p-Xylene	12.970	91	5192551m	21.428	ppbv	
60) o-Xylene	13.667	91	2483938	10.856	ppbv	98
61) Styrene	13.503	104	1373717	12.183	ppbv	99
62) Isopropylbenzene	14.642	105	3529151	11.178	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.648	83	1985410	10.269	ppbv	100
64) n-propylbenzene	15.532	120	949007	11.794	ppbv	96
65) tert-Butylbenzene	16.719	119	3131287	11.090	ppbv	99
66) Benzyl Chloride	16.960	91	179139	10.708	ppbv	97
67) sec-Butylbenzene	17.269	105	4449444	11.088	ppbv	99
69) p-Isopropyltoluene	17.629	119	3656922	11.000	ppbv	99
70) n-Butylbenzene	18.523	91	3757428	10.612	ppbv	100
71) 2-Chlorotoluene	15.426	91	2637440	11.251	ppbv	98
72) 4-Ethyltoluene	15.812	105	3118582	11.865	ppbv	99
73) 1,3,5-Trimethylbenzene	15.973	105	2719883	11.147	ppbv	100
74) 1,2,4-Trimethylbenzene	16.738	105	2834013	10.873	ppbv	96
75) 1,3-Dichlorobenzene	16.970	146	1811918	11.018	ppbv	100
76) 1,4-Dichlorobenzene	17.111	146	1753692	10.766	ppbv	99
77) 1,2-Dichlorobenzene	17.789	146	1748231	10.508	ppbv	99
78) Hexachloro-1,3-Butadiene	23.349	225	1200909	7.400	ppbv	100
79) Naphthalene	22.162	128	2127794	9.074	ppbv	99
80) Naphthalene,2-methyl-	24.950	142	483708	11.687	ppbv	99
81) 1,2,4-Trichlorobenzene	21.895	180	1272050m	8.490	ppbv	

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

