

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL060122\
 Data File : VL039142.D
 Acq On : 1 Jun 2022 9:34
 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 06/06/2022
 Supervised By : Mahesh Dadoda 06/06/2022

Quant Time: Jun 02 00:37:06 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	5.665	49	1313638	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	7.173	114	3154509	10.000	ppbv	0.00
55) Chlorobenzene-d5	12.082	117	2838624m	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 14.410 95 2574650 10.971 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 109.700%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.054	85	1826837	7.918	ppbv	99
3) Chlorodifluoromethane	2.993	51	1502459	8.989	ppbv	99
4) Chloromethane	3.144	50	792355	9.229	ppbv	99
5) Vinyl Chloride	3.260	62	772192	9.621	ppbv	96
6) Bromomethane	3.478	94	370122	9.374	ppbv	94
7) Chloroethane	3.562	64	262932	9.402	ppbv	98
8) Dichlorotetrafluoroethane	3.192	85	1931338	9.159	ppbv	99
9) Propene	3.015	41	619252	8.497	ppbv	100
10) Heptane	8.121	43	1572943	9.252	ppbv	100
11) Trichlorofluoromethane	3.954	101	1944102	9.308	ppbv	98
12) 1,1,2-Trichlorotrifluo...	4.488	101	1356162	9.819	ppbv	100
13) Ethanol	3.604	45	32813	8.256	ppbv #	100
14) Bromoethene	3.742	108	595037	9.583	ppbv	98
15) Acetone	3.851	43	1274766	9.316	ppbv	100
16) 1,3-Butadiene	3.330	39	703805	9.568	ppbv	98
17) tert-Butyl alcohol	4.285	59	1001565	9.436	ppbv	98
18) 1,1-Dichloroethene	4.292	96	619348	9.996	ppbv	93
19) Isopropyl Alcohol	3.960	45	599008	9.333	ppbv #	98
20) Methylene Chloride	4.343	84	487022	8.446	ppbv	99
21) Allyl Chloride	4.414	41	896729	9.714	ppbv	97
22) trans-1,2-Dichloroethene	4.886	96	655277	10.992	ppbv	97
23) Vinyl Acetate	5.070	43	913075	8.065	ppbv	98
24) 1,1-Dichloroethane	5.012	63	1204469	7.765	ppbv	98
25) Ethyl Acetate	5.674	43	2852136	9.248	ppbv	99
26) Hexane	5.687	57	1215670	8.969	ppbv	98
27) Carbon Disulfide	4.552	76	1450123	10.323	ppbv	99
28) Methyl tert-Butyl Ether	5.034	73	1095048	7.319	ppbv	100
29) Chloroform	5.751	83	2095109	9.186	ppbv	100
30) Cyclohexane	7.128	84	1036029	9.099	ppbv	98
31) cis-1,2-Dichloroethene	5.549	61	1293733	9.361	ppbv	99
32) 1,1,1-Trichloroethane	6.513	97	2151690	9.641	ppbv	99
34) 2-Butanone	5.243	43	1715798	10.012	ppbv	100
35) Carbon Tetrachloride	7.018	117	2294171	9.964	ppbv	98
36) Benzene	6.890	78	2450650	9.569	ppbv	99
37) 1,2-Dichloroethane	6.304	62	1718522	10.196	ppbv	100
38) Trichloroethene	7.832	130	1220448	10.375	ppbv	97
39) 1,2-Dichloropropane	7.613	63	977949	9.600	ppbv	96
40) 1,4-Dioxane	7.828	88	352159m	10.501	ppbv	
41) Tetrahydrofuran	6.047	42	983571	9.542	ppbv	99
42) Bromodichloromethane	7.790	83	2354062	10.064	ppbv	99
43) Methyl Methacrylate	8.012	69	1015943	10.184	ppbv	99
44) 2,2,4-Trimethylpentane	7.867	57	4245860	9.477	ppbv	99
45) t-1,3-Dichloropropene	9.275	75	1159662	11.162	ppbv	99

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jun 01 17:57:56 2022

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	8.700	75	1451562	10.576	ppbv	96
47) 1,1,2-Trichloroethane	9.475	97	1016829	9.568	ppbv	99
48) Dibromochloromethane	10.301	129	1930388	10.173	ppbv	99
49) Bromoform	13.034	173	1602592	10.134	ppbv	99
50) 4-Methyl-2-Pentanone	8.735	43	2575699	10.040	ppbv	99
51) 2-Hexanone	10.127	43	2036612	10.203	ppbv #	98
52) Tetrachloroethene	11.217	164	936309	9.364	ppbv	96
53) Toluene	9.803	91	2881603	9.772	ppbv	100
54) 1,2-Dibromoethane	10.606	107	1467257	10.274	ppbv	96
56) 1,1,1,2-Tetrachloroethane	12.121	131	1324684	9.862	ppbv	97
57) Chlorobenzene	12.143	112	2115424	9.904	ppbv	97
58) Ethyl Benzene	12.706	91	3951452	10.106	ppbv	99
59) m/p-Xylene	12.989	91	6840999m	19.868	ppbv	
60) o-Xylene	13.687	91	3264983	10.091	ppbv	99
61) Styrene	13.520	104	1852733	10.693	ppbv	99
62) Isopropylbenzene	14.661	105	4725815	9.827	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.671	83	1729755	9.525	ppbv	100
64) n-propylbenzene	15.555	120	1231134	10.414	ppbv	99
65) tert-Butylbenzene	16.738	119	4330423	9.848	ppbv	98
66) Benzyl Chloride	16.979	91	714995	12.505	ppbv	97
67) sec-Butylbenzene	17.285	105	6018237	10.030	ppbv	100
69) p-Isopropyltoluene	17.645	119	5090089	10.055	ppbv	100
70) n-Butylbenzene	18.539	91	5370284	10.336	ppbv	100
71) 2-Chlorotoluene	15.445	91	3657514	9.974	ppbv	100
72) 4-Ethyltoluene	15.831	105	3930092	10.364	ppbv	98
73) 1,3,5-Trimethylbenzene	15.989	105	3547109	10.371	ppbv	97
74) 1,2,4-Trimethylbenzene	16.754	105	3864170	10.124	ppbv	97
75) 1,3-Dichlorobenzene	16.986	146	2220793	10.280	ppbv	100
76) 1,4-Dichlorobenzene	17.127	146	2145061	9.952	ppbv	99
77) 1,2-Dichlorobenzene	17.806	146	2165941	9.948	ppbv	100
78) Hexachloro-1,3-Butadiene	23.368	225	1871414	9.399	ppbv	99
79) Naphthalene	22.185	128	3467395	11.801	ppbv	100
80) Naphthalene,2-methyl-	24.960	142	1228805	11.257	ppbv	91
81) 1,2,4-Trichlorobenzene	21.915	180	1961613	10.538	ppbv #	100

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

