

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110922\
 Data File : VL039844.D
 Acq On : 9 Nov 2022 11:48
 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 11/10/2022
 Supervised By : Mahesh Dadoda 11/11/2022

Quant Time: Nov 10 03:43:15 2022

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110222AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2022

QLast Update : Thu Nov 03 09:27:12 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.172	49	978488	10.000	ppbv	-0.02
33) 1,4-Difluorobenzene	6.629	114	2550741	10.000	ppbv	-0.02
55) Chlorobenzene-d5	11.429	117	2445315m	10.000	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.738 95 2025045 11.064 ppbv -0.02
 Spiked Amount 10.000 Range 65 - 135 Recovery = 110.600%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.735	85	1253494	7.588	ppbv	99
3) Chlorodifluoromethane	2.681	51	1221865	10.474	ppbv	97
4) Chloromethane	2.816	50	706124	9.722	ppbv	100
5) Vinyl Chloride	2.922	62	613638	10.435	ppbv	97
6) Bromomethane	3.121	94	220338	10.504	ppbv	96
7) Chloroethane	3.195	64	213861	9.705	ppbv	99
8) Dichlorotetrafluoroethane	2.861	85	1445053	10.264	ppbv	94
9) Propene	2.700	41	563037	9.264	ppbv	99
10) Heptane	7.549	43	1398640	9.606	ppbv	99
11) Trichlorofluoromethane	3.558	101	1494956	11.096	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.057	101	1047109	10.761	ppbv	99
13) Ethanol	3.243	45	36178m	8.422	ppbv	
14) Bromoethene	3.365	108	449207	10.310	ppbv	97
15) Acetone	3.465	43	958294	8.046	ppbv	99
16) 1,3-Butadiene	2.986	39	550458	9.938	ppbv	97
17) tert-Butyl alcohol	3.870	59	1004588	8.857	ppbv	98
18) 1,1-Dichloroethene	3.877	96	479961	10.758	ppbv	90
19) Isopropyl Alcohol	3.571	45	514796	8.733	ppbv #	33
20) Methylene Chloride	3.925	84	408865	9.596	ppbv	92
21) Allyl Chloride	3.989	41	719129	9.546	ppbv	99
22) trans-1,2-Dichloroethene	4.433	96	515666	11.388	ppbv	95
23) Vinyl Acetate	4.613	43	412103	8.685	ppbv #	98
24) 1,1-Dichloroethane	4.552	63	977138	10.082	ppbv	99
25) Ethyl Acetate	5.189	43	2345092	9.559	ppbv	99
26) Hexane	5.195	57	1007301	9.209	ppbv	99
27) Carbon Disulfide	4.115	76	1228036	10.691	ppbv	99
28) Methyl tert-Butyl Ether	4.574	73	976531	9.863	ppbv	97
29) Chloroform	5.256	83	1660483	10.796	ppbv	98
30) Cyclohexane	6.574	84	892518	9.757	ppbv	98
31) cis-1,2-Dichloroethene	5.063	61	784537	7.866	ppbv	94
32) 1,1,1-Trichloroethane	5.979	97	1675999	10.946	ppbv	99
34) 2-Butanone	4.774	43	1097502	10.430	ppbv	98
35) Carbon Tetrachloride	6.468	117	1680586	11.303	ppbv	98
36) Benzene	6.346	78	2238339	10.403	ppbv	97
37) 1,2-Dichloroethane	5.787	62	1288877	12.485	ppbv	97
38) Trichloroethene	7.262	130	1167833	10.140	ppbv	95
39) 1,2-Dichloropropane	7.044	63	891866	10.639	ppbv	97
40) 1,4-Dioxane	7.262	88	342122m	10.657	ppbv	
41) Tetrahydrofuran	5.539	42	903903	10.278	ppbv	99
42) Bromodichloromethane	7.221	83	1896893	11.504	ppbv	97
43) Methyl Methacrylate	7.449	69	905954	10.654	ppbv	97
44) 2,2,4-Trimethylpentane	7.298	57	3735707	10.286	ppbv	100
45) t-1,3-Dichloropropene	8.677	75	902411	11.078	ppbv	99

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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Thu Nov 03 09:27:12 2022

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.111	75	1196427	10.761	ppbv	97
47) 1,1,2-Trichloroethane	8.864	97	887433	10.454	ppbv	97
48) Dibromochloromethane	9.674	129	1466642	10.139	ppbv	99
49) Bromoform	12.368	173	1088298	9.360	ppbv	98
50) 4-Methyl-2-Pentanone	8.153	43	2297330	10.664	ppbv	100
51) 2-Hexanone	9.520	43	1829545	10.892	ppbv	99
52) Tetrachloroethene	10.577	164	726686	9.015	ppbv	94
53) Toluene	9.185	91	2478878	10.042	ppbv	100
54) 1,2-Dibromoethane	9.973	107	1056102	11.210	ppbv	99
56) 1,1,1,2-Tetrachloroethane	11.471	131	1017322	9.731	ppbv	96
57) Chlorobenzene	11.487	112	1757537	9.475	ppbv	95
58) Ethyl Benzene	12.053	91	3270437	9.892	ppbv	98
59) m/p-Xylene	12.336	91	5400903m	19.569	ppbv	
60) o-Xylene	13.021	91	2543923	9.729	ppbv	97
61) Styrene	12.860	104	1552026	9.646	ppbv	97
62) Isopropylbenzene	13.995	105	3562590	9.340	ppbv	97
63) 1,1,2,2-Tetrachloroethane	13.008	83	898682	9.229	ppbv	98
64) n-propylbenzene	14.883	120	913929	8.957	ppbv	84
65) tert-Butylbenzene	16.053	119	2894109	8.641	ppbv	93
66) Benzyl Chloride	16.291	91	241845m	6.211	ppbv	
67) sec-Butylbenzene	16.600	105	4181525	9.172	ppbv	97
69) p-Isopropyltoluene	16.963	119	3259690	8.620	ppbv	97
70) n-Butylbenzene	17.854	91	3514711	9.614	ppbv	97
71) 2-Chlorotoluene	14.764	91	2759385	9.628	ppbv	97
72) 4-Ethyltoluene	15.159	105	2769484	9.406	ppbv	97
73) 1,3,5-Trimethylbenzene	15.317	105	2459096	9.421	ppbv	94
74) 1,2,4-Trimethylbenzene	16.072	105	2599819	9.375	ppbv	98
75) 1,3-Dichlorobenzene	16.294	146	1447434	8.939	ppbv	98
76) 1,4-Dichlorobenzene	16.436	146	1396993	8.792	ppbv	99
77) 1,2-Dichlorobenzene	17.108	146	1353229	8.865	ppbv	98
78) Hexachloro-1,3-Butadiene	22.593	225	927879	8.204	ppbv	99
79) Naphthalene	21.342	128	2104465	10.438	ppbv	98
80) Naphthalene,2-methyl-	24.352	142	703277	8.227	ppbv	95
81) 1,2,4-Trichlorobenzene	21.101	180	1080816	9.583	ppbv	98

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

