

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL061422\
 Data File : VL039297.D
 Acq On : 15 Jun 2022 13:07
 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 06/16/2022
 Supervised By : Mahesh Dadoda 06/16/2022

Quant Time: Jun 16 01:17:37 2022

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jun 15 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	5.655	49	1348202	10.000	ppbv	-0.02
33) 1,4-Difluorobenzene	7.166	114	3734188	10.000	ppbv	-0.02
55) Chlorobenzene-d5	12.073	117	3565956m	10.000	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 14.401 95 2783300 9.441 ppbv -0.02
 Spiked Amount 10.000 Range 65 - 135 Recovery = 94.400%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.044	85	1872644	7.908	ppbv	97
3) Chlorodifluoromethane	2.986	51	1437810	8.382	ppbv	99
4) Chloromethane	3.137	50	689891	7.830	ppbv	96
5) Vinyl Chloride	3.253	62	737583	8.954	ppbv	99
6) Bromomethane	3.469	94	347023	8.564	ppbv	99
7) Chloroethane	3.552	64	272397	9.490	ppbv	91
8) Dichlorotetrafluoroethane	3.182	85	1825140	8.433	ppbv	95
9) Propene	3.006	41	619817	8.286	ppbv	99
10) Heptane	8.108	43	1645869	9.432	ppbv	98
11) Trichlorofluoromethane	3.944	101	1869236	8.720	ppbv	98
12) 1,1,2-Trichlorotrifluo...	4.478	101	1387751	9.790	ppbv	98
13) Ethanol	3.594	45	41060	10.066	ppbv #	100
14) Bromoethene	3.735	108	550085	8.632	ppbv	97
15) Acetone	3.838	43	1528203	10.882	ppbv	98
16) 1,3-Butadiene	3.324	39	726928	9.629	ppbv	94
17) tert-Butyl alcohol	4.276	59	1260012	11.567	ppbv	99
18) 1,1-Dichloroethene	4.285	96	612542	9.633	ppbv	86
19) Isopropyl Alcohol	3.954	45	677407	10.284	ppbv	99
20) Methylene Chloride	4.340	84	504985	8.533	ppbv	96
21) Allyl Chloride	4.404	41	924344	9.757	ppbv	97
22) trans-1,2-Dichloroethene	4.877	96	591390	9.666	ppbv	93
23) Vinyl Acetate	5.063	43	964250	8.298	ppbv	99
24) 1,1-Dichloroethane	5.005	63	1359716	8.541	ppbv	99
25) Ethyl Acetate	5.661	43	3174637	10.029	ppbv	99
26) Hexane	5.681	57	1236469	8.889	ppbv	89
27) Carbon Disulfide	4.542	76	1428748	9.910	ppbv	99
28) Methyl tert-Butyl Ether	5.025	73	1343336	8.748	ppbv	99
29) Chloroform	5.742	83	1924561	8.222	ppbv	98
30) Cyclohexane	7.121	84	1046299	8.954	ppbv	99
31) cis-1,2-Dichloroethene	5.542	61	1210305	8.533	ppbv	98
32) 1,1,1-Trichloroethane	6.501	97	1949482	8.511	ppbv	99
34) 2-Butanone	5.234	43	1683519	8.298	ppbv	99
35) Carbon Tetrachloride	7.009	117	2036037	7.470	ppbv	100
36) Benzene	6.880	78	2536134	8.366	ppbv	98
37) 1,2-Dichloroethane	6.298	62	1474751	7.392	ppbv	97
38) Trichloroethene	7.825	130	1107596	7.954	ppbv	95
39) 1,2-Dichloropropane	7.603	63	947278	7.856	ppbv	98
40) 1,4-Dioxane	7.819	88	338873	8.536	ppbv #	1
41) Tetrahydrofuran	6.038	42	957385	7.847	ppbv	98
42) Bromodichloromethane	7.780	83	2089236	7.545	ppbv	99
43) Methyl Methacrylate	8.002	69	1091193	9.241	ppbv	98
44) 2,2,4-Trimethylpentane	7.857	57	4304643	8.117	ppbv	99
45) t-1,3-Dichloropropene	9.269	75	822304	6.686	ppbv	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.687	75	1172629	7.218	ppbv	97
47) 1,1,2-Trichloroethane	9.465	97	1083217	8.610	ppbv	98
48) Dibromochloromethane	10.295	129	1178300	5.246	ppbv	98
49) Bromoform	13.028	173	1564588	8.358	ppbv	98
50) 4-Methyl-2-Pentanone	8.726	43	2699351	8.889	ppbv	99
51) 2-Hexanone	10.118	43	1744217	7.382	ppbv #	97
52) Tetrachloroethene	11.211	164	1010114	8.534	ppbv	96
53) Toluene	9.793	91	3043213	8.718	ppbv	100
54) 1,2-Dibromoethane	10.597	107	1099310	6.503	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.114	131	1434504m	8.502	ppbv	
57) Chlorobenzene	12.134	112	2350476	8.760	ppbv	95
58) Ethyl Benzene	12.696	91	4177331	8.504	ppbv	98
59) m/p-Xylene	12.983	91	7169848m	16.576	ppbv	
60) o-Xylene	13.677	91	3449180	8.486	ppbv	98
61) Styrene	13.513	104	2014932	9.258	ppbv	95
62) Isopropylbenzene	14.655	105	5417055	8.967	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.664	83	2191800	9.607	ppbv	99
64) n-propylbenzene	15.545	120	1428941	9.622	ppbv	88
65) tert-Butylbenzene	16.728	119	4967272	8.992	ppbv	96
66) Benzyl Chloride	16.973	91	316609	4.408	ppbv	98
67) sec-Butylbenzene	17.278	105	6814201	9.041	ppbv	98
69) p-Isopropyltoluene	17.635	119	5933658	9.331	ppbv	98
70) n-Butylbenzene	18.532	91	5864101	8.984	ppbv	99
71) 2-Chlorotoluene	15.436	91	4009846	8.704	ppbv	96
72) 4-Ethyltoluene	15.822	105	4336115	9.103	ppbv	99
73) 1,3,5-Trimethylbenzene	15.982	105	3898117	9.073	ppbv	99
74) 1,2,4-Trimethylbenzene	16.745	105	4251035	8.866	ppbv	97
75) 1,3-Dichlorobenzene	16.979	146	2524161	9.301	ppbv	99
76) 1,4-Dichlorobenzene	17.121	146	2436722	8.999	ppbv	98
77) 1,2-Dichlorobenzene	17.799	146	2483227	9.079	ppbv	99
78) Hexachloro-1,3-Butadiene	23.355	225	1998630	7.991	ppbv	99
79) Naphthalene	22.172	128	3670221	9.944	ppbv	99
80) Naphthalene,2-methyl-	24.953	142	921244	6.718	ppbv	96
81) 1,2,4-Trichlorobenzene	21.902	180	2097570m	8.970	ppbv	

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

