

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110921\
 Data File : VL038005.D
 Acq On : 10 Nov 2021 7:56
 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 11/15/2021
 Supervised By : Mahesh Dadoda 11/17/2021

Quant Time: Nov 10 08:29:01 2021

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL110121AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Nov 9 08:29:01 2021

QLast Update : Tue Nov 02 05:54:07 2021

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.668	49	1426117	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	7.176	114	4141590	10.000	ppbv	0.00
55) Chlorobenzene-d5	12.082	117	3615450	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 14.410 95 2618134 9.962 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 99.600%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.054	85	1941134	9.661	ppbv	96
3) Chlorodifluoromethane	2.996	51	2452561	9.238	ppbv	99
4) Chloromethane	3.147	50	853412	8.458	ppbv	100
5) Vinyl Chloride	3.263	62	870515	8.952	ppbv	99
6) Bromomethane	3.481	94	291496	5.549	ppbv	96
7) Chloroethane	3.562	64	296747	8.454	ppbv	98
8) Dichlorotetrafluoroethane	3.192	85	1992658	8.609	ppbv	99
9) Propene	3.018	41	878996	9.234	ppbv	97
10) Heptane	8.121	43	2152246	9.719	ppbv	98
11) Trichlorofluoromethane	3.954	101	1748316	8.738	ppbv	100
12) 1,1,2-Trichlorotrifluo...	4.491	101	1384620	8.878	ppbv	100
13) Ethanol	3.607	45	96656m	10.065	ppbv	
14) Bromoethene	3.745	108	610431	8.947	ppbv	98
15) Acetone	3.854	43	1019401	8.650	ppbv	100
16) 1,3-Butadiene	3.333	39	929334	10.008	ppbv	92
17) tert-Butyl alcohol	4.288	59	1160330	9.470	ppbv	97
18) 1,1-Dichloroethene	4.291	96	617823	8.607	ppbv	96
19) Isopropyl Alcohol	3.967	45	698525	9.269	ppbv #	91
20) Methylene Chloride	4.349	84	505082	7.807	ppbv	99
21) Allyl Chloride	4.417	41	854090	7.855	ppbv	99
22) trans-1,2-Dichloroethene	4.886	96	628285	8.808	ppbv	95
23) Vinyl Acetate	5.073	43	1541349	8.687	ppbv #	98
24) 1,1-Dichloroethane	5.012	63	1306251	8.911	ppbv	99
25) Ethyl Acetate	5.677	43	3163768	9.039	ppbv	100
26) Hexane	5.687	57	1538448	9.277	ppbv	97
27) Carbon Disulfide	4.555	76	1467208	8.962	ppbv	98
28) Methyl tert-Butyl Ether	5.034	73	1304603	9.357	ppbv	99
29) Chloroform	5.751	83	2101766	8.499	ppbv	100
30) Cyclohexane	7.127	84	1325855	9.353	ppbv	100
31) cis-1,2-Dichloroethene	5.552	61	1437980	9.504	ppbv	98
32) 1,1,1-Trichloroethane	6.510	97	2037985	8.384	ppbv	99
34) 2-Butanone	5.243	43	1460076	9.514	ppbv	99
35) Carbon Tetrachloride	7.018	117	2040031	8.148	ppbv	98
36) Benzene	6.889	78	3208577	9.513	ppbv	99
37) 1,2-Dichloroethane	6.304	62	1463589	9.128	ppbv	99
38) Trichloroethene	7.835	130	1207376	8.625	ppbv	96
39) 1,2-Dichloropropane	7.610	63	1242868	9.794	ppbv	95
40) 1,4-Dioxane	7.831	88	285797	8.551	ppbv #	1
41) Tetrahydrofuran	6.053	42	744158	9.910	ppbv	97
42) Bromodichloromethane	7.790	83	2242784	9.251	ppbv	98
43) Methyl Methacrylate	8.012	69	1193535	10.781	ppbv	98
44) 2,2,4-Trimethylpentane	7.870	57	5457059	9.513	ppbv	98
45) t-1,3-Dichloropropene	9.275	75	365760	4.496	ppbv	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.703	75	639363	5.717	ppbv	98
47) 1,1,2-Trichloroethane	9.471	97	1297625	9.101	ppbv	99
48) Dibromochloromethane	10.298	129	1982028	9.818	ppbv	99
49) Bromoform	13.037	173	1693529	10.613	ppbv	99
50) 4-Methyl-2-Pentanone	8.738	43	2219599	11.008	ppbv	100
51) 2-Hexanone	10.134	43	1106156	13.016	ppbv #	96
52) Tetrachloroethene	11.220	164	1173726	9.174	ppbv	98
53) Toluene	9.802	91	3651180	10.098	ppbv	100
54) 1,2-Dibromoethane	10.606	107	1640225	8.919	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.121	131	1415634	9.698	ppbv #	59
57) Chlorobenzene	12.143	112	2659787	9.217	ppbv #	97
58) Ethyl Benzene	12.706	91	4672133	10.567	ppbv	99
59) m/p-Xylene	12.989	91	7747342m	19.714	ppbv	
60) o-Xylene	13.687	91	3675759	9.921	ppbv	100
61) Styrene	13.523	104	1945757	11.435	ppbv	98
62) Isopropylbenzene	14.661	105	5267601	10.040	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.670	83	2745979	8.611	ppbv	98
64) n-propylbenzene	15.555	120	1412946	10.511	ppbv	99
65) tert-Butylbenzene	16.738	119	4628380	9.983	ppbv	100
66) Benzyl Chloride	16.976	91	101528m	4.191	ppbv	
67) sec-Butylbenzene	17.288	105	6490549	10.161	ppbv	100
69) p-Isopropyltoluene	17.645	119	5378990	10.498	ppbv	99
70) n-Butylbenzene	18.542	91	5178958	11.000	ppbv	99
71) 2-Chlorotoluene	15.445	91	3939492	10.717	ppbv	100
72) 4-Ethyltoluene	15.831	105	4454673	10.495	ppbv	99
73) 1,3,5-Trimethylbenzene	15.989	105	3938937	9.909	ppbv	100
74) 1,2,4-Trimethylbenzene	16.757	105	4075665	9.787	ppbv	97
75) 1,3-Dichlorobenzene	16.989	146	2576085	9.935	ppbv	99
76) 1,4-Dichlorobenzene	17.130	146	2447465	9.755	ppbv	99
77) 1,2-Dichlorobenzene	17.809	146	2495800	10.251	ppbv	99
78) Hexachloro-1,3-Butadiene	23.365	225	1917933	9.204	ppbv	99
79) Naphthalene	22.185	128	2923742	12.186	ppbv	98
80) Naphthalene,2-methyl-	24.966	142	611630	13.095	ppbv	97
81) 1,2,4-Trichlorobenzene	21.915	180	1822131	11.668	ppbv	99

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

