

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110121\
 Data File : VL037961.D
 Acq On : 2 Nov 2021 5:58
 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 11/05/2021
 Supervised By : Mahesh Dadoda 11/10/2021

Quant Time: Nov 02 07:47:02 2021

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Nov 02 07:47:02 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	5.655	49	1466542	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	7.160	114	4249714	10.000	ppbv	-0.01
55) Chlorobenzene-d5	12.070	117	3922844m	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 14.394 95 2938097 10.304 ppbv -0.01
 Spiked Amount 10.000 Range 65 - 135 Recovery = 103.000%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.044	85	2052318	9.932	ppbv	99
3) Chlorodifluoromethane	2.986	51	2486756	9.109	ppbv	100
4) Chloromethane	3.134	50	946404	9.121	ppbv	98
5) Vinyl Chloride	3.253	62	933112	9.331	ppbv	100
6) Bromomethane	3.469	94	523355	9.688	ppbv	95
7) Chloroethane	3.552	64	334104	9.256	ppbv	100
8) Dichlorotetrafluoroethane	3.182	85	2168815	9.112	ppbv	99
9) Propene	3.009	41	907168	9.268	ppbv	97
10) Heptane	8.108	43	2276118	9.995	ppbv	100
11) Trichlorofluoromethane	3.944	101	1894782	9.209	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.475	101	1539068	9.596	ppbv	99
13) Ethanol	3.604	45	108892	11.027	ppbv	94
14) Bromoethene	3.732	108	672806	9.589	ppbv	99
15) Acetone	3.842	43	1078352	8.898	ppbv	100
16) 1,3-Butadiene	3.324	39	925471	9.692	ppbv	100
17) tert-Butyl alcohol	4.279	59	1263921	10.031	ppbv	98
18) 1,1-Dichloroethene	4.282	96	664238	8.998	ppbv	96
19) Isopropyl Alcohol	3.957	45	714506	9.220	ppbv #	95
20) Methylene Chloride	4.337	84	574346	8.633	ppbv	98
21) Allyl Chloride	4.404	41	1101586	9.852	ppbv	99
22) trans-1,2-Dichloroethene	4.874	96	704498	9.605	ppbv #	91
23) Vinyl Acetate	5.063	43	1719382	9.423	ppbv	98
24) 1,1-Dichloroethane	4.999	63	1420796	9.425	ppbv	99
25) Ethyl Acetate	5.668	43	3549870	9.862	ppbv	100
26) Hexane	5.674	57	1650463	9.678	ppbv	99
27) Carbon Disulfide	4.542	76	1711240	10.164	ppbv	99
28) Methyl tert-Butyl Ether	5.022	73	1407628	9.818	ppbv	99
29) Chloroform	5.742	83	2337729	9.192	ppbv	99
30) Cyclohexane	7.118	84	1388535	9.525	ppbv	99
31) cis-1,2-Dichloroethene	5.539	61	1523738	9.793	ppbv	99
32) 1,1,1-Trichloroethane	6.501	97	2176720	8.708	ppbv	99
34) 2-Butanone	5.234	43	1505892	9.563	ppbv	100
35) Carbon Tetrachloride	7.005	117	2281428	8.880	ppbv	99
36) Benzene	6.880	78	3422096	9.888	ppbv	99
37) 1,2-Dichloroethane	6.295	62	1603883	9.748	ppbv	99
38) Trichloroethene	7.822	130	1326617	9.236	ppbv	97
39) 1,2-Dichloropropane	7.597	63	1294171	9.938	ppbv	97
40) 1,4-Dioxane	7.822	88	317360	9.254	ppbv	92
41) Tetrahydrofuran	6.034	42	799616	10.378	ppbv	97
42) Bromodichloromethane	7.774	83	2408552	9.682	ppbv	98
43) Methyl Methacrylate	7.999	69	1213540	10.683	ppbv	98
44) 2,2,4-Trimethylpentane	7.854	57	5755186	9.777	ppbv	99
45) t-1,3-Dichloropropene	9.266	75	950687	11.390	ppbv	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.687	75	1280386	11.157	ppbv	96
47) 1,1,2-Trichloroethane	9.459	97	1339155	9.153	ppbv	98
48) Dibromochloromethane	10.288	129	2059522	9.942	ppbv	98
49) Bromoform	13.021	173	1551025	9.472	ppbv	98
50) 4-Methyl-2-Pentanone	8.729	43	2192569	10.597	ppbv	100
51) 2-Hexanone	10.121	43	958372	10.991	ppbv	100
52) Tetrachloroethene	11.205	164	1195369	9.105	ppbv	98
53) Toluene	9.790	91	3866126	10.420	ppbv	100
54) 1,2-Dibromoethane	10.594	107	1849152	9.800	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.108	131	1431743	9.040	ppbv #	55
57) Chlorobenzene	12.131	112	2760205	8.816	ppbv	99
58) Ethyl Benzene	12.693	91	4752111	9.906	ppbv	98
59) m/p-Xylene	12.979	91	7998322m	18.758	ppbv	
60) o-Xylene	13.677	91	3715450	9.242	ppbv	100
61) Styrene	13.507	104	2033988	11.016	ppbv	99
62) Isopropylbenzene	14.651	105	5041965	8.857	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.658	83	2642892	7.638	ppbv	99
64) n-propylbenzene	15.545	120	1372805	9.412	ppbv	99
65) tert-Butylbenzene	16.725	119	4421887	8.790	ppbv	99
66) Benzyl Chloride	16.970	91	228278	8.684	ppbv	99
67) sec-Butylbenzene	17.275	105	6158816	8.886	ppbv	100
69) p-Isopropyltoluene	17.632	119	5140309	9.246	ppbv	100
70) n-Butylbenzene	18.529	91	5058356	9.902	ppbv	99
71) 2-Chlorotoluene	15.433	91	3712068	9.307	ppbv	100
72) 4-Ethyltoluene	15.822	105	4359025	9.465	ppbv	99
73) 1,3,5-Trimethylbenzene	15.976	105	3873102	8.980	ppbv	99
74) 1,2,4-Trimethylbenzene	16.745	105	4084175	9.039	ppbv	99
75) 1,3-Dichlorobenzene	16.976	146	2513828	8.936	ppbv	99
76) 1,4-Dichlorobenzene	17.118	146	2442877	8.974	ppbv	100
77) 1,2-Dichlorobenzene	17.796	146	2400871	9.089	ppbv	99
78) Hexachloro-1,3-Butadiene	23.352	225	2126495	9.405	ppbv	98
79) Naphthalene	22.169	128	3911190	15.024	ppbv	99
80) Naphthalene,2-methyl-	24.953	142	853319	16.838	ppbv	98
81) 1,2,4-Trichlorobenzene	21.899	180	2176510	12.845	ppbv	98

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

