

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL122022\
 Data File : VL040050.D
 Acq On : 20 Dec 2022 9:51
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 12/21/2022
 Supervised By : Mahesh Dadoda 12/21/2022

Quant Time: Dec 21 03:49:56 2022

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL121922AIR.M

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

QLast Update : Tue Dec 20 04:50:21 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.160	49	919549	10.000	ppbv	-0.01
33) 1,4-Difluorobenzene	6.626	114	2714742	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.439	117	2619173	10.000	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.748 95 1935447 9.674 ppbv -0.02
 Spiked Amount 10.000 Range 65 - 135 Recovery = 96.700%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.703	85	1348494	7.834	ppbv	96
3) Chlorodifluoromethane	2.648	51	1168826	8.615	ppbv	100
4) Chloromethane	2.787	50	748843	8.809	ppbv	100
5) Vinyl Chloride	2.893	62	642226	9.337	ppbv	99
6) Bromomethane	3.089	94	225887	8.938	ppbv	98
7) Chloroethane	3.169	64	234523	9.037	ppbv	95
8) Dichlorotetrafluoroethane	2.829	85	1562079	8.626	ppbv	99
9) Propene	2.668	41	521510	9.058	ppbv	99
10) Heptane	7.549	43	1274210	9.067	ppbv	99
11) Trichlorofluoromethane	3.533	101	1657532	8.862	ppbv	98
12) 1,1,2-Trichlorotrifluo...	4.037	101	1247076	8.804	ppbv	98
13) Ethanol	3.218	45	41168m	7.597	ppbv	
14) Bromoethene	3.337	108	499199	9.358	ppbv	97
15) Acetone	3.439	43	1147943	8.070	ppbv	100
16) 1,3-Butadiene	2.957	39	593571	9.600	ppbv	98
17) tert-Butyl alcohol	3.848	59	1213811	8.655	ppbv	100
18) 1,1-Dichloroethene	3.851	96	554749	8.997	ppbv	98
19) Isopropyl Alcohol	3.546	45	621981	8.872	ppbv	99
20) Methylene Chloride	3.902	84	464585	7.684	ppbv	99
21) Allyl Chloride	3.967	41	792189	9.268	ppbv	99
22) trans-1,2-Dichloroethene	4.414	96	581650	9.465	ppbv	99
23) Vinyl Acetate	4.597	43	435115	9.648	ppbv	98
24) 1,1-Dichloroethane	4.533	63	1140656	8.613	ppbv	100
25) Ethyl Acetate	5.172	43	2156425	8.753	ppbv	100
26) Hexane	5.182	57	931383	8.995	ppbv	98
27) Carbon Disulfide	4.095	76	1380784	10.572	ppbv	98
28) Methyl tert-Butyl Ether	4.555	73	1082263	8.869	ppbv	100
29) Chloroform	5.243	83	1359123	8.602	ppbv	96
30) Cyclohexane	6.571	84	865779	9.442	ppbv	97
31) cis-1,2-Dichloroethene	5.047	61	897592	9.103	ppbv	99
32) 1,1,1-Trichloroethane	5.973	97	1634240	9.661	ppbv	99
34) 2-Butanone	4.754	43	1288483	8.749	ppbv	99
35) Carbon Tetrachloride	6.462	117	1680057	9.964	ppbv	99
36) Benzene	6.340	78	2179428	8.989	ppbv	98
37) 1,2-Dichloroethane	5.777	62	1269913	8.928	ppbv	99
38) Trichloroethene	7.259	130	1263449	10.140	ppbv	95
39) 1,2-Dichloropropane	7.044	63	814633	8.964	ppbv	97
40) 1,4-Dioxane	7.256	88	349184	8.525	ppbv	91
41) Tetrahydrofuran	5.526	42	788555	8.578	ppbv	98
42) Bromodichloromethane	7.221	83	1799491	9.235	ppbv	97
43) Methyl Methacrylate	7.446	69	861360	9.466	ppbv	99
44) 2,2,4-Trimethylpentane	7.298	57	3531358	8.847	ppbv	100
45) t-1,3-Dichloropropene	8.680	75	806310	10.484	ppbv	100

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.114	75	1104274	10.181	ppbv	98
47) 1,1,2-Trichloroethane	8.870	97	870856	8.750	ppbv	98
48) Dibromochloromethane	9.680	129	1447963	9.567	ppbv	100
49) Bromoform	12.381	173	1075379	9.314	ppbv	100
50) 4-Methyl-2-Pentanone	8.153	43	2146680	8.922	ppbv	99
51) 2-Hexanone	9.523	43	1676351	8.957	ppbv	99
52) Tetrachloroethene	10.590	164	733845	8.902	ppbv	96
53) Toluene	9.192	91	2464578	9.181	ppbv	99
54) 1,2-Dibromoethane	9.979	107	997540	9.308	ppbv	97
56) 1,1,1,2-Tetrachloroethane	11.481	131	1024312	8.478	ppbv	98
57) Chlorobenzene	11.500	112	1838205	8.268	ppbv	95
58) Ethyl Benzene	12.063	91	3234775	8.692	ppbv	97
59) m/p-Xylene	12.346	91	5437291m	16.772	ppbv	
60) o-Xylene	13.031	91	2571040	8.278	ppbv	100
61) Styrene	12.870	104	1518889	9.118	ppbv	99
62) Isopropylbenzene	14.002	105	3605906	8.053	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.024	83	818870	7.191	ppbv	99
64) n-propylbenzene	14.892	120	922799	8.159	ppbv	99
65) tert-Butylbenzene	16.063	119	3058425	7.860	ppbv	99
66) Benzyl Chloride	16.304	91	196613m	8.665	ppbv	
67) sec-Butylbenzene	16.609	105	4294538	7.875	ppbv	100
69) p-Isopropyltoluene	16.969	119	3489944	8.012	ppbv	99
70) n-Butylbenzene	17.860	91	3639800	7.975	ppbv	99
71) 2-Chlorotoluene	14.773	91	2708808	7.929	ppbv	99
72) 4-Ethyltoluene	15.169	105	2843984	8.247	ppbv	100
73) 1,3,5-Trimethylbenzene	15.326	105	2535919	8.154	ppbv	98
74) 1,2,4-Trimethylbenzene	16.085	105	2711675	7.910	ppbv	92
75) 1,3-Dichlorobenzene	16.304	146	1509993	8.050	ppbv	100
76) 1,4-Dichlorobenzene	16.449	146	1472009	8.038	ppbv	99
77) 1,2-Dichlorobenzene	17.114	146	1443769	8.025	ppbv	99
78) Hexachloro-1,3-Butadiene	22.603	225	1033960m	8.285	ppbv	
79) Naphthalene	21.355	128	2204437	10.791	ppbv	100
80) Naphthalene,2-methyl-	24.352	142	488989	7.824	ppbv	96
81) 1,2,4-Trichlorobenzene	21.114	180	1114361	9.184	ppbv	99

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

