

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL102523\
 Data File : VL040794.D
 Acq On : 25 Oct 2023 9:40
 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 10/26/2023
 Supervised By : Mahesh Dadoda 10/26/2023

Quant Time: Oct 26 03:50:17 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101123AIR.M

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

QLast Update : Thu Oct 12 00:21:08 2023

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.185	49	921221	10.000	ppbv	-0.02
33) 1,4-Difluorobenzene	6.642	114	2598637	10.000	ppbv	-0.03
55) Chlorobenzene-d5	11.449	117	2646460m	10.000	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.757 95 1977991 10.157 ppbv -0.03
 Spiked Amount 10.000 Range 65 - 135 Recovery = 101.600%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.739	85	1546199	9.531	ppbv	100
3) Chlorodifluoromethane	2.684	51	1516847	11.204	ppbv	98
4) Chloromethane	2.822	50	553928	10.362	ppbv	98
5) Vinyl Chloride	2.928	62	576754	10.441	ppbv	96
6) Bromomethane	3.124	94	256602	11.229	ppbv	99
7) Chloroethane	3.202	64	188129	10.462	ppbv	99
8) Dichlorotetrafluoroethane	2.867	85	1360918	11.066	ppbv	96
9) Propene	2.706	41	527922	10.498	ppbv	100
10) Heptane	7.565	43	1335609	10.573	ppbv	100
11) Trichlorofluoromethane	3.565	101	1442326	11.520	ppbv	100
12) 1,1,2-Trichlorotrifluo...	4.067	101	1035517	11.596	ppbv	100
13) Ethanol	3.247	45	106335	9.368	ppbv	97
14) Bromoethene	3.369	108	435556	11.389	ppbv	99
15) Acetone	3.472	43	998713	10.487	ppbv	99
16) 1,3-Butadiene	2.993	39	547128	10.951	ppbv	100
17) tert-Butyl alcohol	3.877	59	968915	9.922	ppbv	99
18) 1,1-Dichloroethene	3.880	96	455993	11.393	ppbv	98
19) Isopropyl Alcohol	3.578	45	701791	11.447	ppbv	100
20) Methylene Chloride	3.935	84	380591	9.594	ppbv	98
21) Allyl Chloride	3.996	41	705791	11.237	ppbv	98
22) trans-1,2-Dichloroethene	4.443	96	499859	11.734	ppbv	96
23) Vinyl Acetate	4.623	43	1211020	9.978	ppbv	100
24) 1,1-Dichloroethane	4.562	63	994170	10.860	ppbv	99
25) Ethyl Acetate	5.198	43	2134755	10.231	ppbv	99
26) Hexane	5.208	57	928175	9.733	ppbv	97
27) Carbon Disulfide	4.124	76	1205008	11.452	ppbv	100
28) Methyl tert-Butyl Ether	4.581	73	722411	9.741	ppbv	100
29) Chloroform	5.269	83	1541485	11.171	ppbv	96
30) Cyclohexane	6.594	84	869415	10.713	ppbv	97
31) cis-1,2-Dichloroethene	5.073	61	793269	9.026	ppbv	97
32) 1,1,1-Trichloroethane	5.996	97	1608131	10.949	ppbv	99
34) 2-Butanone	4.780	43	1113632	9.468	ppbv	99
35) Carbon Tetrachloride	6.484	117	1705046	11.690	ppbv	96
36) Benzene	6.359	78	2110119	10.557	ppbv	100
37) 1,2-Dichloroethane	5.800	62	1231712	12.032	ppbv	98
38) Trichloroethene	7.279	130	860357	9.726	ppbv	98
39) 1,2-Dichloropropane	7.060	63	830131	10.630	ppbv	97
40) 1,4-Dioxane	7.272	88	330264	11.176	ppbv #	99
41) Tetrahydrofuran	5.549	42	866162	10.634	ppbv	99
42) Bromodichloromethane	7.237	83	1803564	11.761	ppbv	98
43) Methyl Methacrylate	7.462	69	877760	10.970	ppbv	99
44) 2,2,4-Trimethylpentane	7.317	57	3460289	10.237	ppbv	100
45) t-1,3-Dichloropropene	8.693	75	751306	11.776	ppbv	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.127	75	874045	11.213	ppbv	100
47) 1,1,2-Trichloroethane	8.883	97	887683	10.822	ppbv	98
48) Dibromochloromethane	9.693	129	1595482	11.606	ppbv	100
49) Bromoform	12.388	173	1270877	11.373	ppbv	100
50) 4-Methyl-2-Pentanone	8.166	43	2211562	10.991	ppbv	98
51) 2-Hexanone	9.533	43	1654359	10.803	ppbv #	100
52) Tetrachloroethene	10.594	164	762470	9.391	ppbv	96
53) Toluene	9.205	91	2468816	10.378	ppbv	99
54) 1,2-Dibromoethane	9.992	107	1331528	11.579	ppbv	96
56) 1,1,1,2-Tetrachloroethane	11.491	131	1128183	10.445	ppbv #	93
57) Chlorobenzene	11.510	112	1910841	10.077	ppbv	99
58) Ethyl Benzene	12.069	91	3338274	10.018	ppbv	100
59) m/p-Xylene	12.356	91	5578513m	20.342	ppbv	
60) o-Xylene	13.040	91	2643742	10.117	ppbv	99
61) Styrene	12.880	104	1478701	10.214	ppbv	98
62) Isopropylbenzene	14.008	105	3963760	9.860	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.028	83	1860775	9.498	ppbv	100
64) n-propylbenzene	14.896	120	1074363	9.949	ppbv	92
65) tert-Butylbenzene	16.069	119	3487972	9.620	ppbv	97
66) Benzyl Chloride	16.307	91	311115	8.517	ppbv	96
67) sec-Butylbenzene	16.616	105	4912786	9.897	ppbv	98
69) p-Isopropyltoluene	16.973	119	4072495	9.790	ppbv	99
70) n-Butylbenzene	17.863	91	4257978	10.425	ppbv	98
71) 2-Chlorotoluene	14.780	91	3107090	10.289	ppbv	98
72) 4-Ethyltoluene	15.169	105	3200101	10.458	ppbv	98
73) 1,3,5-Trimethylbenzene	15.333	105	2756994	10.233	ppbv	97
74) 1,2,4-Trimethylbenzene	16.089	105	2958175	10.050	ppbv	98
75) 1,3-Dichlorobenzene	16.307	146	1806797	9.870	ppbv	98
76) 1,4-Dichlorobenzene	16.452	146	1778911	9.812	ppbv	98
77) 1,2-Dichlorobenzene	17.121	146	1742037	9.698	ppbv	97
78) Hexachloro-1,3-Butadiene	22.606	225	1085534	8.446	ppbv	99
79) Naphthalene	21.362	128	2730978	11.414	ppbv	99
80) Naphthalene,2-methyl-	24.355	142	827045	12.318	ppbv	98
81) 1,2,4-Trichlorobenzene	21.114	180	1354410	10.426	ppbv	100

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

