

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL122023\
 Data File : VL040914.D
 Acq On : 20 Dec 2023 11:07
 Operator : SY/MD
 Sample : VSTDICCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 12/21/2023
 Supervised By : Mahesh Dadoda 12/21/2023

Quant Time: Dec 21 07:07:48 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL122023AIR.M

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

QLast Update : Thu Dec 21 07:06:17 2023

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.176	49	1310090	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.632	114	3229260	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.439	117	3165364m	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.748 95 2284220 9.797 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 98.000%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.726	85	2239293	8.974	ppbv	100
3) Chlorodifluoromethane	2.671	51	1762679	8.941	ppbv	100
4) Chloromethane	2.809	50	651053	8.956	ppbv	100
5) Vinyl Chloride	2.915	62	660091	9.758	ppbv	100
6) Bromomethane	3.115	94	293396	9.440	ppbv	100
7) Chloroethane	3.192	64	228961	9.152	ppbv	100
8) Dichlorotetrafluoroethane	2.854	85	1630275	9.067	ppbv	100
9) Propene	2.690	41	614121	9.441	ppbv	100
10) Heptane	7.558	43	1527542	9.447	ppbv	100
11) Trichlorofluoromethane	3.552	101	1794921	9.200	ppbv	100
12) 1,1,2-Trichlorotrifluo...	4.053	101	1300145	8.582	ppbv	100
13) Ethanol	3.230	45	134985m	9.286	ppbv	
14) Bromoethene	3.359	108	519428	9.354	ppbv	100
15) Acetone	3.459	43	1247217	7.938	ppbv	100
16) 1,3-Butadiene	2.980	39	641901	9.488	ppbv	100
17) tert-Butyl alcohol	3.867	59	1099210	9.457	ppbv	100
18) 1,1-Dichloroethene	3.870	96	561368	8.974	ppbv	100
19) Isopropyl Alcohol	3.568	45	742306	8.936	ppbv	100
20) Methylene Chloride	3.922	84	474833	8.390	ppbv	100
21) Allyl Chloride	3.986	41	868035	9.346	ppbv	100
22) trans-1,2-Dichloroethene	4.433	96	717215	9.949	ppbv	100
23) Vinyl Acetate	4.610	43	1834958	10.333	ppbv	100
24) 1,1-Dichloroethane	4.549	63	1481600	9.556	ppbv	100
25) Ethyl Acetate	5.185	43	2602268	9.558	ppbv	100
26) Hexane	5.198	57	1122301	9.235	ppbv	100
27) Carbon Disulfide	4.111	76	1432532	8.772	ppbv	100
28) Methyl tert-Butyl Ether	4.568	73	1092960	9.761	ppbv	100
29) Chloroform	5.256	83	1880711	9.236	ppbv	100
30) Cyclohexane	6.581	84	960775	9.551	ppbv	100
31) cis-1,2-Dichloroethene	5.063	61	1192729	9.623	ppbv	100
32) 1,1,1-Trichloroethane	5.983	97	1862090	9.598	ppbv	100
34) 2-Butanone	4.767	43	1662461	9.732	ppbv	100
35) Carbon Tetrachloride	6.471	117	1994229	9.822	ppbv	100
36) Benzene	6.349	78	2395149	9.488	ppbv	100
37) 1,2-Dichloroethane	5.787	62	1452517	9.603	ppbv	100
38) Trichloroethene	7.269	130	902630	9.296	ppbv	100
39) 1,2-Dichloropropane	7.050	63	936297	9.412	ppbv	100
40) 1,4-Dioxane	7.262	88	374550	9.099	ppbv	100
41) Tetrahydrofuran	5.536	42	1006591	9.709	ppbv	100
42) Bromodichloromethane	7.227	83	2092775	9.593	ppbv	100
43) Methyl Methacrylate	7.452	69	1005270	10.213	ppbv	100
44) 2,2,4-Trimethylpentane	7.304	57	3944486	9.199	ppbv	100
45) t-1,3-Dichloropropene	8.684	75	820411	11.240	ppbv	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.121	75	943993	10.385	ppbv	100
47) 1,1,2-Trichloroethane	8.873	97	987751	9.279	ppbv	100
48) Dibromochloromethane	9.683	129	1771818	9.857	ppbv	100
49) Bromoform	12.381	173	1423200	10.232	ppbv	100
50) 4-Methyl-2-Pentanone	8.156	43	2517427	9.708	ppbv	100
51) 2-Hexanone	9.523	43	1887927	10.121	ppbv	100
52) Tetrachloroethene	10.590	164	826416	9.708	ppbv	100
53) Toluene	9.192	91	2720476	9.645	ppbv	100
54) 1,2-Dibromoethane	9.982	107	1457889	10.031	ppbv	100
56) 1,1,1,2-Tetrachloroethane	11.481	131	1265354	9.142	ppbv	100
57) Chlorobenzene	11.500	112	2081351	8.910	ppbv	100
58) Ethyl Benzene	12.060	91	3707057	9.114	ppbv	100
59) m/p-Xylene	12.343	91	6231546m	18.018	ppbv	
60) o-Xylene	13.031	91	2950011	9.054	ppbv	100
61) Styrene	12.870	104	1564688	10.066	ppbv	100
62) Isopropylbenzene	14.002	105	4320899	8.942	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.018	83	2147264	9.177	ppbv	100
64) n-propylbenzene	14.889	120	1130424	9.270	ppbv	100
65) tert-Butylbenzene	16.059	119	3772799	9.042	ppbv	100
66) Benzyl Chloride	16.297	91	320888	11.347	ppbv	100
67) sec-Butylbenzene	16.606	105	5315744	8.906	ppbv	100
69) p-Isopropyltoluene	16.966	119	4329016	9.341	ppbv	100
70) n-Butylbenzene	17.857	91	4520949	9.388	ppbv	100
71) 2-Chlorotoluene	14.770	91	3381703	9.090	ppbv	100
72) 4-Ethyltoluene	15.166	105	3420878	9.566	ppbv	100
73) 1,3,5-Trimethylbenzene	15.320	105	2947911	9.551	ppbv	100
74) 1,2,4-Trimethylbenzene	16.079	105	3227089	9.395	ppbv	100
75) 1,3-Dichlorobenzene	16.301	146	1838907	9.341	ppbv	100
76) 1,4-Dichlorobenzene	16.445	146	1785248	9.287	ppbv	100
77) 1,2-Dichlorobenzene	17.111	146	1769715	9.319	ppbv	100
78) Hexachloro-1,3-Butadiene	22.603	225	951308	8.074	ppbv	100
79) Naphthalene	21.352	128	2004860	12.479	ppbv	100
80) Naphthalene,2-methyl-	24.352	142	318132	11.328	ppbv	100
81) 1,2,4-Trichlorobenzene	21.111	180	1034411	10.743	ppbv	100

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

