

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081523\
 Data File : VL040629.D
 Acq On : 15 Aug 2023 10:16
 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 08/16/2023
 Supervised By :Mahesh Dadoda 08/16/2023

Quant Time: Aug 16 04:45:59 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081523AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 16 04:45:59 2023

QLast Update : Wed Aug 16 04:44:10 2023

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.195	49	1088967	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.661	114	2853922	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.481	117	2810789m	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.793 95 2161864 9.671 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 96.700%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.722	85	2072416	8.835	ppbv	100
3) Chlorodifluoromethane	2.668	51	1575922	8.814	ppbv	100
4) Chloromethane	2.806	50	625097	8.963	ppbv	100
5) Vinyl Chloride	2.915	62	671518	9.068	ppbv	100
6) Bromomethane	3.112	94	346876	8.886	ppbv	100
7) Chloroethane	3.192	64	243393	9.011	ppbv	100
8) Dichlorotetrafluoroethane	2.851	85	1677704	8.837	ppbv	100
9) Propene	2.687	41	516627	9.325	ppbv	100
10) Heptane	7.590	43	1248358	9.785	ppbv	100
11) Trichlorofluoromethane	3.558	101	1686608	8.907	ppbv	100
12) 1,1,2-Trichlorotrifluo...	4.063	101	1237908	8.907	ppbv	100
13) Ethanol	3.240	45	142871m	10.753	ppbv	
14) Bromoethene	3.362	108	535515	9.383	ppbv	100
15) Acetone	3.465	43	1156669	8.684	ppbv	100
16) 1,3-Butadiene	2.980	39	617498	9.322	ppbv	100
17) tert-Butyl alcohol	3.877	59	1394695	9.873	ppbv	100
18) 1,1-Dichloroethene	3.880	96	562826	8.837	ppbv	100
19) Isopropyl Alcohol	3.571	45	856608	10.143	ppbv	99
20) Methylene Chloride	3.931	84	480743	7.386	ppbv	100
21) Allyl Chloride	3.996	41	827181	9.389	ppbv	100
22) trans-1,2-Dichloroethene	4.446	96	584530	9.349	ppbv	100
23) Vinyl Acetate	4.629	43	1433280	9.847	ppbv	100
24) 1,1-Dichloroethane	4.565	63	1172182	9.031	ppbv	100
25) Ethyl Acetate	5.208	43	2223978	8.891	ppbv	100
26) Hexane	5.214	57	1027827	8.492	ppbv	100
27) Carbon Disulfide	4.124	76	1433227	9.947	ppbv	100
28) Methyl tert-Butyl Ether	4.587	73	871143	9.310	ppbv	100
29) Chloroform	5.279	83	1704578	8.898	ppbv	100
30) Cyclohexane	6.610	84	865875	9.760	ppbv	100
31) cis-1,2-Dichloroethene	5.082	61	1048262	9.597	ppbv	100
32) 1,1,1-Trichloroethane	6.009	97	1708478	9.294	ppbv	100
34) 2-Butanone	4.787	43	1372884	9.539	ppbv	100
35) Carbon Tetrachloride	6.500	117	1745980	9.758	ppbv	100
36) Benzene	6.378	78	2160403	9.515	ppbv	100
37) 1,2-Dichloroethane	5.812	62	1286465	9.395	ppbv	100
38) Trichloroethene	7.301	130	847977	9.605	ppbv	100
39) 1,2-Dichloropropane	7.082	63	817291	9.462	ppbv	100
40) 1,4-Dioxane	7.298	88	354720	10.938	ppbv	100
41) Tetrahydrofuran	5.562	42	798617	9.861	ppbv	100
42) Bromodichloromethane	7.259	83	1862584	9.772	ppbv	100
43) Methyl Methacrylate	7.484	69	880987	10.368	ppbv	100
44) 2,2,4-Trimethylpentane	7.336	57	3538517	9.642	ppbv	100
45) t-1,3-Dichloropropene	8.722	75	766395	11.438	ppbv	100

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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 16 2023

QLast Update : Wed Aug 16 04:44:10 2023

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.153	75	902979	10.939	ppbv	100
47) 1,1,2-Trichloroethane	8.912	97	922017	9.444	ppbv	100
48) Dibromochloromethane	9.722	129	1553068	10.164	ppbv	100
49) Bromoform	12.426	173	1281811	10.500	ppbv	100
50) 4-Methyl-2-Pentanone	8.188	43	2099487	9.970	ppbv	100
51) 2-Hexanone	9.565	43	1550288	10.500	ppbv	100
52) Tetrachloroethene	10.629	164	743889	10.463	ppbv	100
53) Toluene	9.233	91	2508019	10.395	ppbv	100
54) 1,2-Dibromoethane	10.024	107	1325120	11.309	ppbv	100
56) 1,1,1,2-Tetrachloroethane	11.523	131	1149522	8.831	ppbv	95
57) Chlorobenzene	11.539	112	1932684	8.909	ppbv	100
58) Ethyl Benzene	12.102	91	3388239	9.996	ppbv	100
59) m/p-Xylene	12.388	91	5804222m	18.790	ppbv	
60) o-Xylene	13.073	91	2783399	9.498	ppbv	100
61) Styrene	12.915	104	1432191	11.156	ppbv	100
62) Isopropylbenzene	14.047	105	4055858	9.147	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.060	83	2008987	9.045	ppbv	100
64) n-propylbenzene	14.931	120	1049258	9.360	ppbv	99
65) tert-Butylbenzene	16.105	119	3545642	9.224	ppbv	100
66) Benzyl Chloride	16.343	91	479773	9.999	ppbv	100
67) sec-Butylbenzene	16.651	105	5096000	9.087	ppbv	100
69) p-Isopropyltoluene	17.008	119	4109457	9.365	ppbv	100
70) n-Butylbenzene	17.902	91	4498648	9.390	ppbv	100
71) 2-Chlorotoluene	14.815	91	3137689	9.535	ppbv	100
72) 4-Ethyltoluene	15.208	105	3259756	9.853	ppbv	100
73) 1,3,5-Trimethylbenzene	15.365	105	2777938	9.416	ppbv	100
74) 1,2,4-Trimethylbenzene	16.124	105	3114887	9.019	ppbv	100
75) 1,3-Dichlorobenzene	16.346	146	1822799	9.145	ppbv	100
76) 1,4-Dichlorobenzene	16.487	146	1790166	8.986	ppbv	100
77) 1,2-Dichlorobenzene	17.159	146	1732680	8.842	ppbv	100
78) Hexachloro-1,3-Butadiene	22.651	225	1200664	8.060	ppbv	100
79) Naphthalene	21.400	128	2658433	11.503	ppbv	100
80) Naphthalene,2-methyl-	24.387	142	827305	13.406	ppbv	100
81) 1,2,4-Trichlorobenzene	21.159	180	1436215	9.566	ppbv	99

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

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