

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL030823\
 Data File : VL040246.D
 Acq On : 8 Mar 2023 9:23
 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 03/09/2023
 Supervised By : Mahesh Dadoda 03/09/2023

Quant Time: Mar 09 04:08:44 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL021523AIR.M

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

QLast Update : Wed Mar 01 04:21:39 2023

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.176	49	954270	10.000	ppbv	-0.03
33) 1,4-Difluorobenzene	6.639	114	2438252	10.000	ppbv	-0.03
55) Chlorobenzene-d5	11.455	117	2310008	10.000	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.767 95 1877373 9.883 ppbv -0.03
 Spiked Amount 10.000 Range 65 - 135 Recovery = 98.800%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.716	85	1514810	8.517	ppbv	98
3) Chlorodifluoromethane	2.658	51	1121655	9.839	ppbv	100
4) Chloromethane	2.796	50	708001	9.888	ppbv	98
5) Vinyl Chloride	2.906	62	601332	10.450	ppbv	100
6) Bromomethane	3.102	94	203494	9.798	ppbv	98
7) Chloroethane	3.182	64	228233	10.002	ppbv	99
8) Dichlorotetrafluoroethane	2.841	85	1536890	10.028	ppbv	100
9) Propene	2.677	41	451155	9.709	ppbv	98
10) Heptane	7.565	43	1153645	10.431	ppbv	99
11) Trichlorofluoromethane	3.545	101	1595873	10.000	ppbv	97
12) 1,1,2-Trichlorotrifluo...	4.050	101	1180706	10.029	ppbv	100
13) Ethanol	3.227	45	31540m	7.373	ppbv	
14) Bromoethene	3.349	108	482114	10.679	ppbv	99
15) Acetone	3.452	43	1073073	9.340	ppbv	100
16) 1,3-Butadiene	2.970	39	538485	10.263	ppbv	98
17) tert-Butyl alcohol	3.861	59	1152622	11.001	ppbv	100
18) 1,1-Dichloroethene	3.864	96	531259	10.386	ppbv	99
19) Isopropyl Alcohol	3.558	45	514396	9.419	ppbv	100
20) Methylene Chloride	3.918	84	438140	7.326	ppbv	97
21) Allyl Chloride	3.980	41	746320	10.591	ppbv	99
22) trans-1,2-Dichloroethene	4.430	96	560084	10.574	ppbv	95
23) Vinyl Acetate	4.610	43	354927	10.179	ppbv	98
24) 1,1-Dichloroethane	4.545	63	1131249	10.380	ppbv	98
25) Ethyl Acetate	5.185	43	2083052	9.753	ppbv	100
26) Hexane	5.198	57	866758	9.454	ppbv	98
27) Carbon Disulfide	4.108	76	1344581	11.557	ppbv	98
28) Methyl tert-Butyl Ether	4.568	73	1008982	10.271	ppbv	99
29) Chloroform	5.259	83	1546250	9.822	ppbv	99
30) Cyclohexane	6.587	84	751313	10.436	ppbv	99
31) cis-1,2-Dichloroethene	5.060	61	843995	9.688	ppbv	94
32) 1,1,1-Trichloroethane	5.989	97	1565702	10.585	ppbv	99
34) 2-Butanone	4.770	43	1209127	10.053	ppbv	100
35) Carbon Tetrachloride	6.478	117	1627290	11.289	ppbv	97
36) Benzene	6.356	78	1899938	10.013	ppbv	98
37) 1,2-Dichloroethane	5.793	62	1206751	10.168	ppbv	99
38) Trichloroethene	7.278	130	1133424	10.840	ppbv	99
39) 1,2-Dichloropropane	7.060	63	732108	9.918	ppbv	96
40) 1,4-Dioxane	7.275	88	276994	9.381	ppbv	85
41) Tetrahydrofuran	5.542	42	708378	10.163	ppbv	100
42) Bromodichloromethane	7.237	83	1722634	10.517	ppbv	97
43) Methyl Methacrylate	7.462	69	753591	10.733	ppbv	99
44) 2,2,4-Trimethylpentane	7.311	57	3186877	10.061	ppbv	99
45) t-1,3-Dichloropropene	8.700	75	732445	11.760	ppbv	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.130	75	983495	11.335	ppbv	98
47) 1,1,2-Trichloroethane	8.889	97	794997	9.958	ppbv	97
48) Dibromochloromethane	9.696	129	1390130	10.886	ppbv	100
49) Bromoform	12.400	173	1086816	10.904	ppbv	99
50) 4-Methyl-2-Pentanone	8.166	43	1977163	10.587	ppbv	99
51) 2-Hexanone	9.536	43	1545940	10.764	ppbv #	98
52) Tetrachloroethene	10.603	164	631969	10.666	ppbv	98
53) Toluene	9.208	91	2144710	10.553	ppbv	99
54) 1,2-Dibromoethane	9.999	107	877201	10.560	ppbv	96
56) 1,1,1,2-Tetrachloroethane	11.497	131	988694	10.196	ppbv	98
57) Chlorobenzene	11.516	112	1653404	9.797	ppbv	99
58) Ethyl Benzene	12.079	91	2930092	10.440	ppbv	99
59) m/p-Xylene	12.359	91	5101265m	20.521	ppbv	
60) o-Xylene	13.047	91	2468927	10.322	ppbv	100
61) Styrene	12.889	104	1384873	11.028	ppbv	99
62) Isopropylbenzene	14.021	105	3459901	10.077	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.037	83	808579	9.381	ppbv	100
64) n-propylbenzene	14.908	120	869035	10.227	ppbv	97
65) tert-Butylbenzene	16.079	119	2991660	10.024	ppbv	99
66) Benzyl Chloride	16.320	91	213868m	10.769	ppbv	
67) sec-Butylbenzene	16.629	105	4249881	9.929	ppbv	100
69) p-Isopropyltoluene	16.985	119	3372908	9.940	ppbv	100
70) n-Butylbenzene	17.876	91	3644932	9.897	ppbv	100
71) 2-Chlorotoluene	14.789	91	2639217	10.051	ppbv	100
72) 4-Ethyltoluene	15.185	105	2759928	10.438	ppbv	99
73) 1,3,5-Trimethylbenzene	15.342	105	2450905	9.961	ppbv	99
74) 1,2,4-Trimethylbenzene	16.101	105	2655109	9.824	ppbv	97
75) 1,3-Dichlorobenzene	16.326	146	1427714	9.653	ppbv	99
76) 1,4-Dichlorobenzene	16.468	146	1403243	9.682	ppbv	100
77) 1,2-Dichlorobenzene	17.133	146	1384175	9.422	ppbv	100
78) Hexachloro-1,3-Butadiene	22.625	225	875391	8.673	ppbv	99
79) Naphthalene	21.378	128	1682021	11.078	ppbv	98
80) Naphthalene,2-methyl-	24.371	142	379450	8.789	ppbv	99
81) 1,2,4-Trichlorobenzene	21.133	180	920045	9.684	ppbv	96

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

