

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112222\
 Data File : VL039920.D
 Acq On : 22 Nov 2022 16:20
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 11/23/2022
 Supervised By : Mahesh Dadoda 11/24/2022

Quant Time: Nov 23 04:48:12 2022

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111822AIR.M

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

QLast Update : Tue Nov 22 03:45:31 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.172	49	1123526	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	6.635	114	3063568	10.000	ppbv	0.02
55) Chlorobenzene-d5	11.452	117	3060814	10.000	ppbv	0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.764 95 2259053 9.663 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 96.600%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.706	85	1342887	8.346	ppbv	99
3) Chlorodifluoromethane	2.652	51	1402343	9.045	ppbv	96
4) Chloromethane	2.790	50	892389	9.007	ppbv	98
5) Vinyl Chloride	2.896	62	765753	9.891	ppbv	99
6) Bromomethane	3.095	94	261840	9.916	ppbv	96
7) Chloroethane	3.173	64	286181	9.352	ppbv	97
8) Dichlorotetrafluoroethane	2.832	85	1759854	9.578	ppbv	99
9) Propene	2.671	41	638007	8.736	ppbv	99
10) Heptane	7.561	43	1600398	9.082	ppbv	100
11) Trichlorofluoromethane	3.539	101	1935919	9.864	ppbv	99
12) 1,1,2-Trichlorotrifluoro...	4.044	101	1439268	9.689	ppbv	95
13) Ethanol	3.218	45	40829	7.323	ppbv	85
14) Bromoethene	3.343	108	584522	10.090	ppbv	99
15) Acetone	3.443	43	1352790	9.078	ppbv	98
16) 1,3-Butadiene	2.960	39	701813	9.449	ppbv	99
17) tert-Butyl alcohol	3.854	59	1539351	8.984	ppbv	100
18) 1,1-Dichloroethene	3.857	96	635118	9.373	ppbv	99
19) Isopropyl Alcohol	3.552	45	773734	9.589	ppbv #	32
20) Methylene Chloride	3.909	84	546900	7.575	ppbv	98
21) Allyl Chloride	3.973	41	943948	9.132	ppbv	99
22) trans-1,2-Dichloroethene	4.423	96	655496	9.513	ppbv	93
23) Vinyl Acetate	4.603	43	568520	9.286	ppbv	99
24) 1,1-Dichloroethane	4.542	63	1366324	9.256	ppbv	100
25) Ethyl Acetate	5.182	43	2865693	10.474	ppbv	100
26) Hexane	5.192	57	1232607	10.313	ppbv	99
27) Carbon Disulfide	4.102	76	1575641	10.442	ppbv	97
28) Methyl tert-Butyl Ether	4.562	73	1307098	8.734	ppbv	100
29) Chloroform	5.253	83	2015373	12.688	ppbv	97
30) Cyclohexane	6.581	84	1076738	9.180	ppbv	96
31) cis-1,2-Dichloroethene	5.057	61	1053166	9.537	ppbv	95
32) 1,1,1-Trichloroethane	5.983	97	2063219	10.401	ppbv	99
34) 2-Butanone	4.764	43	1531144	10.445	ppbv	98
35) Carbon Tetrachloride	6.475	117	2140903	12.305	ppbv	97
36) Benzene	6.352	78	2691379	10.335	ppbv	97
37) 1,2-Dichloroethane	5.787	62	1570958	11.009	ppbv	99
38) Trichloroethene	7.275	130	1534764	10.543	ppbv	98
39) 1,2-Dichloropropane	7.053	63	1021119	10.065	ppbv	95
40) 1,4-Dioxane	7.266	88	453420	11.219	ppbv	78
41) Tetrahydrofuran	5.539	42	1040223	10.279	ppbv	98
42) Bromodichloromethane	7.230	83	2251348	11.633	ppbv	98
43) Methyl Methacrylate	7.455	69	1087191	10.649	ppbv	100
44) 2,2,4-Trimethylpentane	7.307	57	4317164	9.931	ppbv	99
45) t-1,3-Dichloropropene	8.693	75	1099383	11.655	ppbv	99

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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 12 2022

QLast Update : Tue Nov 22 03:45:31 2022

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.127	75	1445848	11.065	ppbv	97
47) 1,1,2-Trichloroethane	8.883	97	1104633	10.594	ppbv	98
48) Dibromochloromethane	9.696	129	1894201	12.403	ppbv	100
49) Bromoform	12.394	173	1527323	12.355	ppbv	100
50) 4-Methyl-2-Pentanone	8.163	43	2704387	10.301	ppbv	100
51) 2-Hexanone	9.536	43	2150470	10.551	ppbv #	99
52) Tetrachloroethene	10.603	164	948945	9.741	ppbv	95
53) Toluene	9.208	91	3101354	10.455	ppbv	99
54) 1,2-Dibromoethane	9.992	107	1306364	11.740	ppbv	99
56) 1,1,1,2-Tetrachloroethane	11.494	131	1336755	10.684	ppbv	97
57) Chlorobenzene	11.513	112	2373767	10.143	ppbv	99
58) Ethyl Benzene	12.076	91	4185057	10.078	ppbv	99
59) m/p-Xylene	12.359	91	7018177m	20.194	ppbv	
60) o-Xylene	13.044	91	3374153	10.180	ppbv	98
61) Styrene	12.886	104	2060129	10.413	ppbv	99
62) Isopropylbenzene	14.018	105	4776293	9.993	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.034	83	1151510	10.405	ppbv	100
64) n-propylbenzene	14.908	120	1256096	10.046	ppbv	92
65) tert-Butylbenzene	16.079	119	4177658	9.992	ppbv	99
66) Benzyl Chloride	16.320	91	354708	9.899	ppbv	99
67) sec-Butylbenzene	16.625	105	5788335	10.069	ppbv	99
69) p-Isopropyltoluene	16.985	119	4764956	10.062	ppbv	99
70) n-Butylbenzene	17.876	91	4825524	10.278	ppbv	99
71) 2-Chlorotoluene	14.789	91	3663937	10.114	ppbv	99
72) 4-Ethyltoluene	15.182	105	3901324	10.472	ppbv	99
73) 1,3,5-Trimethylbenzene	15.342	105	3469170	10.172	ppbv	99
74) 1,2,4-Trimethylbenzene	16.098	105	3666434	10.154	ppbv	94
75) 1,3-Dichlorobenzene	16.320	146	2090257	10.289	ppbv	98
76) 1,4-Dichlorobenzene	16.461	146	2033302	10.096	ppbv	97
77) 1,2-Dichlorobenzene	17.130	146	1964790	10.032	ppbv	98
78) Hexachloro-1,3-Butadiene	22.625	225	1201770	8.843	ppbv	99
79) Naphthalene	21.368	128	2435072m	11.268	ppbv	
80) Naphthalene,2-methyl-	24.365	142	687379	11.310	ppbv	97
81) 1,2,4-Trichlorobenzene	21.133	180	1290380	9.670	ppbv	98

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

