

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL062222\
 Data File : VL039334.D
 Acq On : 23 Jun 2022 00:04
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 06/24/2022
 Supervised By : Mahesh Dadoda 06/28/2022

Quant Time: Jun 23 07:31:11 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL053122AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jun 23 07:31:11 2022

QLast Update : Wed Jun 01 01:22:18 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.668	49	1158604	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	7.173	114	3258029	10.000	ppbv	0.00
55) Chlorobenzene-d5	12.079	117	3130135m	10.000	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 14.407 95 2541487 9.821 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 98.200%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.051	85	1607554	7.899	ppbv	98
3) Chlorodifluoromethane	2.993	51	1361610	9.236	ppbv	100
4) Chloromethane	3.144	50	651166	8.599	ppbv	96
5) Vinyl Chloride	3.260	62	689794	9.745	ppbv	92
6) Bromomethane	3.478	94	333144	9.567	ppbv	97
7) Chloroethane	3.559	64	253822	10.290	ppbv	98
8) Dichlorotetrafluoroethane	3.192	85	1743620	9.375	ppbv	95
9) Propene	3.012	41	527989	8.214	ppbv	96
10) Heptane	8.121	43	1512400	10.086	ppbv	98
11) Trichlorofluoromethane	3.954	101	1787919	9.706	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.488	101	1335742	10.965	ppbv	100
13) Ethanol	3.600	45	34139m	9.739	ppbv	
14) Bromoethene	3.742	108	539732	9.855	ppbv	99
15) Acetone	3.848	43	1518973	12.586	ppbv	98
16) 1,3-Butadiene	3.330	39	683392	10.533	ppbv	95
17) tert-Butyl alcohol	4.282	59	1133096	12.104	ppbv	99
18) 1,1-Dichloroethene	4.288	96	568695	10.407	ppbv	94
19) Isopropyl Alcohol	3.961	45	613791	10.843	ppbv #	98
20) Methylene Chloride	4.346	84	482765	9.492	ppbv	96
21) Allyl Chloride	4.414	41	883654	10.854	ppbv	98
22) trans-1,2-Dichloroethene	4.883	96	593986	11.297	ppbv	95
23) Vinyl Acetate	5.070	43	892942	8.942	ppbv	98
24) 1,1-Dichloroethane	5.012	63	1221598	8.929	ppbv	99
25) Ethyl Acetate	5.671	43	2961583	10.887	ppbv	99
26) Hexane	5.687	57	1155294	9.665	ppbv	88
27) Carbon Disulfide	4.552	76	1395711	11.265	ppbv	100
28) Methyl tert-Butyl Ether	5.031	73	1109921	8.411	ppbv	100
29) Chloroform	5.751	83	1887813	9.385	ppbv	97
30) Cyclohexane	7.131	84	970621	9.665	ppbv	99
31) cis-1,2-Dichloroethene	5.549	61	1120432	9.192	ppbv	97
32) 1,1,1-Trichloroethane	6.510	97	1892462	9.615	ppbv	100
34) 2-Butanone	5.240	43	1576442	8.906	ppbv	100
35) Carbon Tetrachloride	7.018	117	2001159	8.415	ppbv	97
36) Benzene	6.890	78	2396904	9.062	ppbv	99
37) 1,2-Dichloroethane	6.304	62	1423357	8.177	ppbv	98
38) Trichloroethene	7.832	130	1059260	8.719	ppbv	96
39) 1,2-Dichloropropane	7.613	63	887997	8.440	ppbv	98
40) 1,4-Dioxane	7.825	88	302940	8.746	ppbv #	1
41) Tetrahydrofuran	6.047	42	902963	8.482	ppbv	99
42) Bromodichloromethane	7.790	83	2012579	8.331	ppbv	99
43) Methyl Methacrylate	8.009	69	1028070	9.978	ppbv	98
44) 2,2,4-Trimethylpentane	7.867	57	4020760	8.689	ppbv	98
45) t-1,3-Dichloropropene	9.275	75	790289	7.365	ppbv	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL062222\
 Data File : VL039334.D
 Acq On : 23 Jun 2022 00:04
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 06/24/2022
 Supervised By : Mahesh Dadoda 06/28/2022

Quant Time: Jun 23 07:31:11 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL053122AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jun 23 07:31:11 2022

QLast Update : Wed Jun 01 01:22:18 2022

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.700	75	1107479	7.813	ppbv	96
47) 1,1,2-Trichloroethane	9.472	97	1019044	9.284	ppbv	98
48) Dibromochloromethane	10.301	129	1806862	9.219	ppbv	99
49) Bromoform	13.037	173	1530430	9.370	ppbv	99
50) 4-Methyl-2-Pentanone	8.738	43	2479550	9.359	ppbv	99
51) 2-Hexanone	10.127	43	1884587	9.141	ppbv #	97
52) Tetrachloroethene	11.221	164	965940	9.353	ppbv	97
53) Toluene	9.803	91	2933552	9.632	ppbv	99
54) 1,2-Dibromoethane	10.607	107	1417556	9.611	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.121	131	1407733	9.505	ppbv	99
57) Chlorobenzene	12.143	112	2258044	9.588	ppbv	96
58) Ethyl Benzene	12.706	91	4030715	9.349	ppbv	99
59) m/p-Xylene	12.989	91	7027778m	18.509	ppbv	
60) o-Xylene	13.687	91	3376379	9.464	ppbv	100
61) Styrene	13.523	104	1936697	10.137	ppbv	96
62) Isopropylbenzene	14.658	105	5198107	9.803	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.668	83	2134912	10.661	ppbv	100
64) n-propylbenzene	15.552	120	1383808	10.616	ppbv	89
65) tert-Butylbenzene	16.738	119	4833214	9.967	ppbv	96
66) Benzyl Chloride	16.976	91	322471m	5.115	ppbv	
67) sec-Butylbenzene	17.288	105	6616399	10.000	ppbv	98
69) p-Isopropyltoluene	17.642	119	5742031	10.287	ppbv	99
70) n-Butylbenzene	18.539	91	5703126	9.954	ppbv	98
71) 2-Chlorotoluene	15.446	91	3892177	9.625	ppbv	97
72) 4-Ethyltoluene	15.831	105	4155684	9.938	ppbv	99
73) 1,3,5-Trimethylbenzene	15.986	105	3795521	10.064	ppbv	99
74) 1,2,4-Trimethylbenzene	16.754	105	4115188	9.778	ppbv	95
75) 1,3-Dichlorobenzene	16.989	146	2443271	10.256	ppbv	99
76) 1,4-Dichlorobenzene	17.130	146	2338997	9.841	ppbv	99
77) 1,2-Dichlorobenzene	17.809	146	2389890	9.954	ppbv	99
78) Hexachloro-1,3-Butadiene	23.365	225	1878085	8.554	ppbv	99
79) Naphthalene	22.182	128	3482647	10.749	ppbv	100
80) Naphthalene,2-methyl-	24.960	142	861999	7.161	ppbv	95
81) 1,2,4-Trichlorobenzene	21.915	180	1936803	9.436	ppbv #	100

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

