

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL052322\
 Data File : VL039083.D
 Acq On : 23 May 2022 11:47
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Quant Time: May 24 05:57:17 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL050522AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu May 26 12:57:36 2022
 QLast Update : Thu May 05 10:12:15 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 05/25/2022
 Supervised By : Mahesh Dadoda 05/26/2022

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

Internal Standards						
1) Bromochloromethane	5.649	49	1029314	10.000	ppbv	-0.02
33) 1,4-Difluorobenzene	7.160	114	2434547	10.000	ppbv	-0.01
55) Chlorobenzene-d5	12.060	117	2383624m	10.000	ppbv	-0.02

System Monitoring Compounds
 68) 1-Bromo-4-Fluorobenzene 14.388 95 1904683 10.090 ppbv -0.02
 Spiked Amount 10.000 Range 65 - 135 Recovery = 100.900%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.044	85	1579731	9.795	ppbv	96
3) Chlorodifluoromethane	2.983	51	1215543	9.517	ppbv	98
4) Chloromethane	3.134	50	598913	9.363	ppbv	97
5) Vinyl Chloride	3.250	62	604731	10.354	ppbv	96
6) Bromomethane	3.465	94	307555	11.147	ppbv	95
7) Chloroethane	3.546	64	221378	11.324	ppbv	99
8) Dichlorotetrafluoroethane	3.182	85	1497297	10.244	ppbv	99
9) Propene	3.006	41	496365	8.899	ppbv	96
10) Heptane	8.102	43	1239172	9.055	ppbv	97
11) Trichlorofluoromethane	3.941	101	1486928	10.746	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.475	101	1000130	10.492	ppbv	99
13) Ethanol	3.594	45	34476m	8.734	ppbv	
14) Bromoethene	3.732	108	440753	11.213	ppbv	99
15) Acetone	3.835	43	1037099	10.681	ppbv	100
16) 1,3-Butadiene	3.321	39	561001	10.057	ppbv	99
17) tert-Butyl alcohol	4.269	59	876888	11.751	ppbv	98
18) 1,1-Dichloroethene	4.279	96	440978	10.749	ppbv	98
19) Isopropyl Alcohol	3.951	45	538558	11.666	ppbv #	97
20) Methylene Chloride	4.333	84	370775	10.132	ppbv	96
21) Allyl Chloride	4.401	41	697104	10.536	ppbv	99
22) trans-1,2-Dichloroethene	4.874	96	461123	10.406	ppbv	97
23) Vinyl Acetate	5.060	43	845759	11.009	ppbv #	97
24) 1,1-Dichloroethane	4.996	63	917529	10.372	ppbv	100
25) Ethyl Acetate	5.658	43	2275059	9.790	ppbv	100
26) Hexane	5.671	57	972310	9.416	ppbv	100
27) Carbon Disulfide	4.536	76	1097550	11.189	ppbv	100
28) Methyl tert-Butyl Ether	5.022	73	840349	10.697	ppbv	98
29) Chloroform	5.735	83	1667806	9.983	ppbv	97
30) Cyclohexane	7.111	84	806795	9.332	ppbv	96
31) cis-1,2-Dichloroethene	5.533	61	1027778	9.770	ppbv	98
32) 1,1,1-Trichloroethane	6.494	97	1720742	10.301	ppbv	100
34) 2-Butanone	5.227	43	1383553	11.139	ppbv	100
35) Carbon Tetrachloride	7.002	117	1769969	11.034	ppbv	100
36) Benzene	6.874	78	1947739	9.349	ppbv	98
37) 1,2-Dichloroethane	6.288	62	1368261	10.614	ppbv	99
38) Trichloroethene	7.816	130	875840	9.456	ppbv	97
39) 1,2-Dichloropropane	7.594	63	754458	9.307	ppbv	93
40) 1,4-Dioxane	7.809	88	284224	9.762	ppbv	99
41) Tetrahydrofuran	6.031	42	784922	9.403	ppbv	99
42) Bromodichloromethane	7.771	83	1838981	10.435	ppbv	98
43) Methyl Methacrylate	7.992	69	818332	9.675	ppbv	98
44) 2,2,4-Trimethylpentane	7.848	57	3381651	9.250	ppbv	99
45) t-1,3-Dichloropropene	9.256	75	968844	11.833	ppbv	95

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL052322\
 Data File : VL039083.D
 Acq On : 23 May 2022 11:47
 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 05/25/2022
 Supervised By : Mahesh Dadoda 05/26/2022

Quant Time: May 24 05:57:17 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL050522AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu May 26 12:57:36 2022

QLast Update : Thu May 05 10:12:15 2022

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.684	75	1165770	10.737	ppbv	97
47) 1,1,2-Trichloroethane	9.452	97	794532	9.424	ppbv	99
48) Dibromochloromethane	10.282	129	1446254	10.539	ppbv	99
49) Bromoform	13.012	173	1137887	10.872	ppbv	99
50) 4-Methyl-2-Pentanone	8.716	43	2103328	9.657	ppbv	100
51) 2-Hexanone	10.105	43	1663560	10.465	ppbv #	98
52) Tetrachloroethene	11.201	164	684126	9.189	ppbv	99
53) Toluene	9.783	91	2212745	9.476	ppbv	100
54) 1,2-Dibromoethane	10.584	107	1136612	9.902	ppbv	96
56) 1,1,1,2-Tetrachloroethane	12.098	131	974745	9.320	ppbv	97
57) Chlorobenzene	12.121	112	1618313	9.057	ppbv	99
58) Ethyl Benzene	12.684	91	3015596	8.791	ppbv	96
59) m/p-Xylene	12.970	91	5280289m	18.031	ppbv	
60) o-Xylene	13.664	91	2493846	9.048	ppbv	99
61) Styrene	13.504	104	1423947	9.677	ppbv	99
62) Isopropylbenzene	14.642	105	3596548	8.923	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.648	83	1388582	8.556	ppbv	99
64) n-propylbenzene	15.532	120	901580	9.252	ppbv	99
65) tert-Butylbenzene	16.719	119	3221917	9.123	ppbv	100
66) Benzyl Chloride	16.960	91	533089	11.548	ppbv	98
67) sec-Butylbenzene	17.269	105	4591314	9.100	ppbv	99
69) p-Isopropyltoluene	17.626	119	3832585	9.402	ppbv	99
70) n-Butylbenzene	18.519	91	4224644	9.755	ppbv	100
71) 2-Chlorotoluene	15.423	91	2783482m	8.958	ppbv	
72) 4-Ethyltoluene	15.812	105	2922287	9.304	ppbv	99
73) 1,3,5-Trimethylbenzene	15.966	105	2702346	9.557	ppbv	100
74) 1,2,4-Trimethylbenzene	16.738	105	2921628	9.437	ppbv #	91
75) 1,3-Dichlorobenzene	16.966	146	1635604	9.642	ppbv	100
76) 1,4-Dichlorobenzene	17.111	146	1598478	9.579	ppbv	97
77) 1,2-Dichlorobenzene	17.790	146	1617860	9.643	ppbv	99
78) Hexachloro-1,3-Butadiene	23.346	225	1533673	9.947	ppbv	100
79) Naphthalene	22.159	128	3185553	12.667	ppbv	98
80) Naphthalene,2-methyl-	24.947	142	889798	11.696	ppbv	94
81) 1,2,4-Trichlorobenzene	21.892	180	1685745	11.439	ppbv	99

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

