

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL061322\
 Data File : VL039253.D
 Acq On : 13 Jun 2022 12:34
 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 06/14/2022
 Supervised By : Mahesh Dadoda 06/16/2022

Quant Time: Jun 14 01:31:07 2022

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jun 15 01:22:18 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	5.674	49	1384402	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	7.179	114	3154796	10.000	ppbv	0.00
55) Chlorobenzene-d5	12.089	117	2880155m	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 14.417 95 2744890 11.528 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 115.300%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.057	85	2675372	11.002	ppbv	98
3) Chlorodifluoromethane	2.996	51	1769113	10.043	ppbv	97
4) Chloromethane	3.150	50	896510	9.908	ppbv	98
5) Vinyl Chloride	3.263	62	925967	10.947	ppbv	100
6) Bromomethane	3.481	94	416327	10.006	ppbv	96
7) Chloroethane	3.565	64	358855	12.176	ppbv	97
8) Dichlorotetrafluoroethane	3.195	85	2361024	10.624	ppbv	100
9) Propene	3.018	41	650405	8.468	ppbv	98
10) Heptane	8.128	43	1530604	8.542	ppbv	99
11) Trichlorofluoromethane	3.957	101	2591863	11.775	ppbv	98
12) 1,1,2-Trichlorotrifluo...	4.491	101	1701311	11.688	ppbv	99
13) Ethanol	3.607	45	48302m	11.531	ppbv	
14) Bromoethene	3.748	108	701819	10.725	ppbv #	92
15) Acetone	3.854	43	1603888	11.122	ppbv	98
16) 1,3-Butadiene	3.334	39	859754	11.090	ppbv	99
17) tert-Butyl alcohol	4.285	59	1397267	12.492	ppbv	99
18) 1,1-Dichloroethene	4.295	96	779676	11.940	ppbv	87
19) Isopropyl Alcohol	3.967	45	823583	12.176	ppbv #	98
20) Methylene Chloride	4.353	84	637045	10.482	ppbv	98
21) Allyl Chloride	4.417	41	1119435	11.507	ppbv	96
22) trans-1,2-Dichloroethene	4.893	96	815605	12.982	ppbv	92
23) Vinyl Acetate	5.076	43	1321329	11.074	ppbv	99
24) 1,1-Dichloroethane	5.015	63	1555633	9.516	ppbv	97
25) Ethyl Acetate	5.681	43	3021325	9.296	ppbv	99
26) Hexane	5.694	57	1277080	8.941	ppbv	95
27) Carbon Disulfide	4.555	76	1838552	12.419	ppbv	100
28) Methyl tert-Butyl Ether	5.038	73	1524892	9.670	ppbv	99
29) Chloroform	5.758	83	2317735	9.643	ppbv	100
30) Cyclohexane	7.140	84	1017860	8.483	ppbv	98
31) cis-1,2-Dichloroethene	5.552	61	1422373	9.766	ppbv	93
32) 1,1,1-Trichloroethane	6.520	97	2468397	10.495	ppbv	99
34) 2-Butanone	5.247	43	1852415	10.808	ppbv	99
35) Carbon Tetrachloride	7.025	117	2643623	11.481	ppbv	99
36) Benzene	6.899	78	2431099	9.492	ppbv	97
37) 1,2-Dichloroethane	6.311	62	1977118	11.729	ppbv	97
38) Trichloroethene	7.841	130	1241459	10.553	ppbv	96
39) 1,2-Dichloropropane	7.616	63	961309	9.436	ppbv	91
40) 1,4-Dioxane	7.835	88	341384	10.179	ppbv #	1
41) Tetrahydrofuran	6.050	42	989663	9.601	ppbv	100
42) Bromodichloromethane	7.796	83	2599089	11.110	ppbv	95
43) Methyl Methacrylate	8.018	69	1040647	10.431	ppbv	96
44) 2,2,4-Trimethylpentane	7.874	57	4265059	9.519	ppbv	96
45) t-1,3-Dichloropropene	9.282	75	1166610	11.228	ppbv	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL061322\
 Data File : VL039253.D
 Acq On : 13 Jun 2022 12:34
 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 06/14/2022
 Supervised By : Mahesh Dadoda 06/16/2022

Quant Time: Jun 14 01:31:07 2022

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jun 01 01:22:18 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	8.706	75	1425057	10.382	ppbv	91
47) 1,1,2-Trichloroethane	9.478	97	1029560	9.687	ppbv	98
48) Dibromochloromethane	10.308	129	2089145	11.008	ppbv	99
49) Bromoform	13.044	173	1718269	10.865	ppbv	98
50) 4-Methyl-2-Pentanone	8.742	43	2695462	10.506	ppbv	99
51) 2-Hexanone	10.134	43	2126471	10.652	ppbv #	94
52) Tetrachloroethene	11.227	164	903416	9.034	ppbv	90
53) Toluene	9.812	91	2879272	9.763	ppbv	97
54) 1,2-Dibromoethane	10.616	107	1459735	10.221	ppbv	93
56) 1,1,1,2-Tetrachloroethane	12.131	131	1426366	10.466	ppbv	97
57) Chlorobenzene	12.153	112	2145449	9.900	ppbv	99
58) Ethyl Benzene	12.713	91	3997851	10.077	ppbv	97
59) m/p-Xylene	12.999	91	7196922m	20.600	ppbv	
60) o-Xylene	13.696	91	3507111	10.683	ppbv	97
61) Styrene	13.529	104	1829475	10.407	ppbv	96
62) Isopropylbenzene	14.671	105	5086884	10.426	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.677	83	1791795	9.724	ppbv	99
64) n-propylbenzene	15.561	120	1264182	10.540	ppbv	97
65) tert-Butylbenzene	16.745	119	4696154	10.525	ppbv	95
66) Benzyl Chloride	16.989	91	551081	9.499	ppbv	97
67) sec-Butylbenzene	17.291	105	6459838	10.611	ppbv	100
69) p-Isopropyltoluene	17.651	119	5439139	10.590	ppbv	97
70) n-Butylbenzene	18.548	91	5820946	11.041	ppbv	99
71) 2-Chlorotoluene	15.455	91	3895994	10.471	ppbv	97
72) 4-Ethyltoluene	15.841	105	4175170	10.852	ppbv	97
73) 1,3,5-Trimethylbenzene	15.999	105	3788275	10.916	ppbv	97
74) 1,2,4-Trimethylbenzene	16.764	105	4191172	10.822	ppbv	95
75) 1,3-Dichlorobenzene	16.995	146	2294338	10.467	ppbv	99
76) 1,4-Dichlorobenzene	17.137	146	2225026	10.174	ppbv	98
77) 1,2-Dichlorobenzene	17.815	146	2222972	10.062	ppbv	99
78) Hexachloro-1,3-Butadiene	23.368	225	1889565	9.353	ppbv	99
79) Naphthalene	22.191	128	3371721	11.310	ppbv	98
80) Naphthalene,2-methyl-	24.966	142	944194	8.525	ppbv #	90
81) 1,2,4-Trichlorobenzene	21.918	180	1959288	10.374	ppbv #	100

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

