

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL060322\
 Data File : VL039175.D
 Acq On : 4 Jun 2022 12:33
 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 06/06/2022
 Supervised By : Mahesh Dadoda 06/06/2022

Quant Time: Jun 06 00:44:53 2022

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jun 06 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	1356611	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	7.182	114	3795103	10.000	ppbv	0.00
55) Chlorobenzene-d5	12.092	117	3443193m	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 14.420 95 2718919 9.551 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 95.500%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.060	85	2008597	8.430	ppbv	99
3) Chlorodifluoromethane	2.999	51	1651719	9.569	ppbv	95
4) Chloromethane	3.153	50	878541	9.909	ppbv	99
5) Vinyl Chloride	3.269	62	875915	10.568	ppbv	100
6) Bromomethane	3.485	94	398360	9.770	ppbv	100
7) Chloroethane	3.568	64	302335	10.468	ppbv	90
8) Dichlorotetrafluoroethane	3.198	85	2040490	9.370	ppbv	94
9) Propene	3.022	41	826798	10.985	ppbv	99
10) Heptane	8.128	43	1953607	11.127	ppbv	99
11) Trichlorofluoromethane	3.961	101	1904205	8.828	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.494	101	1361643	9.546	ppbv	100
13) Ethanol	3.613	45	42062m	10.247	ppbv	
14) Bromoethene	3.748	108	638747	9.961	ppbv	98
15) Acetone	3.858	43	1312895	9.291	ppbv	100
16) 1,3-Butadiene	3.337	39	774324	10.193	ppbv	97
17) tert-Butyl alcohol	4.292	59	1189175	10.849	ppbv	99
18) 1,1-Dichloroethene	4.298	96	631852	9.875	ppbv	97
19) Isopropyl Alcohol	3.970	45	732761	11.055	ppbv	99
20) Methylene Chloride	4.353	84	500733	8.408	ppbv	95
21) Allyl Chloride	4.423	41	946342	9.927	ppbv	100
22) trans-1,2-Dichloroethene	4.896	96	635670	10.325	ppbv	97
23) Vinyl Acetate	5.083	43	1193728	10.210	ppbv #	97
24) 1,1-Dichloroethane	5.018	63	1226306	7.655	ppbv	99
25) Ethyl Acetate	5.684	43	3372675	10.589	ppbv	100
26) Hexane	5.694	57	1461143	10.439	ppbv	99
27) Carbon Disulfide	4.559	76	1409247	9.714	ppbv	99
28) Methyl tert-Butyl Ether	5.041	73	1185589	7.673	ppbv	99
29) Chloroform	5.761	83	2257591	9.585	ppbv	99
30) Cyclohexane	7.137	84	1294445	11.009	ppbv	95
31) cis-1,2-Dichloroethene	5.559	61	1478000	10.356	ppbv	92
32) 1,1,1-Trichloroethane	6.520	97	2260147	9.807	ppbv	98
34) 2-Butanone	5.250	43	1955245	9.483	ppbv	97
35) Carbon Tetrachloride	7.028	117	2301171	8.308	ppbv	95
36) Benzene	6.899	78	3117865	10.120	ppbv	99
37) 1,2-Dichloroethane	6.314	62	1681976	8.295	ppbv #	95
38) Trichloroethene	7.841	130	1489615	10.526	ppbv	98
39) 1,2-Dichloropropane	7.620	63	1207337	9.852	ppbv	93
40) 1,4-Dioxane	7.832	88	467790	11.595	ppbv #	1
41) Tetrahydrofuran	6.054	42	1277791	10.304	ppbv	100
42) Bromodichloromethane	7.800	83	2454636	8.723	ppbv	99
43) Methyl Methacrylate	8.018	69	1255990	10.465	ppbv	97
44) 2,2,4-Trimethylpentane	7.877	57	5120032	9.499	ppbv	97
45) t-1,3-Dichloropropene	9.282	75	1324117	10.594	ppbv	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.706	75	1697997	10.284	ppbv	95
47) 1,1,2-Trichloroethane	9.481	97	1269477	9.929	ppbv	100
48) Dibromochloromethane	10.307	129	2092676	9.167	ppbv	99
49) Bromoform	13.047	173	1677393	8.817	ppbv	98
50) 4-Methyl-2-Pentanone	8.745	43	3126900	10.132	ppbv	98
51) 2-Hexanone	10.134	43	2484846	10.347	ppbv #	98
52) Tetrachloroethene	11.230	164	1143360	9.504	ppbv	97
53) Toluene	9.812	91	3637541	10.253	ppbv	99
54) 1,2-Dibromoethane	10.616	107	1764134	10.268	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.131	131	1497956	9.194	ppbv	99
57) Chlorobenzene	12.150	112	2642360	10.199	ppbv	94
58) Ethyl Benzene	12.716	91	4817732	10.158	ppbv	98
59) m/p-Xylene	12.999	91	7943916m	19.020	ppbv	
60) o-Xylene	13.696	91	3719000	9.476	ppbv	97
61) Styrene	13.529	104	2299462	10.942	ppbv	95
62) Isopropylbenzene	14.671	105	5511834	9.449	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.680	83	1966171	8.925	ppbv	100
64) n-propylbenzene	15.565	120	1450307	10.114	ppbv	93
65) tert-Butylbenzene	16.745	119	4838387	9.071	ppbv	96
66) Benzyl Chloride	16.989	91	669377	9.651	ppbv	99
67) sec-Butylbenzene	17.294	105	6813747	9.362	ppbv	99
69) p-Isopropyltoluene	17.651	119	5717598	9.312	ppbv	98
70) n-Butylbenzene	18.552	91	5965307	9.465	ppbv	99
71) 2-Chlorotoluene	15.455	91	4108393	9.236	ppbv	97
72) 4-Ethyltoluene	15.841	105	4528485	9.845	ppbv	98
73) 1,3,5-Trimethylbenzene	15.999	105	4015689	9.680	ppbv	100
74) 1,2,4-Trimethylbenzene	16.764	105	4285525	9.257	ppbv	93
75) 1,3-Dichlorobenzene	16.999	146	2550846	9.734	ppbv	98
76) 1,4-Dichlorobenzene	17.137	146	2529054	9.673	ppbv	97
77) 1,2-Dichlorobenzene	17.815	146	2472097	9.360	ppbv	98
78) Hexachloro-1,3-Butadiene	23.371	225	2276014	9.424	ppbv	99
79) Naphthalene	22.198	128	4863977	13.648	ppbv	99
80) Naphthalene,2-methyl-	24.969	142	1682783	12.709	ppbv	96
81) 1,2,4-Trichlorobenzene	21.924	180	2631903	11.657	ppbv #	100

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

