

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL060322\
 Data File : VL039154.D
 Acq On : 3 Jun 2022 15:10
 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 06/05/2022
 Supervised By : Mahesh Dadoda 06/06/2022

Quant Time: Jun 03 15:49:13 2022

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jun 03 15:49:13 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	5.684	49	1322503	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	7.188	114	3419537	10.000	ppbv	0.00
55) Chlorobenzene-d5	12.101	117	3111475m	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 14.429 95 2628623 10.219 ppbv 0.01
 Spiked Amount 10.000 Range 65 - 135 Recovery = 102.200%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.060	85	1660060	7.146	ppbv	98
3) Chlorodifluoromethane	3.002	51	1627745	9.673	ppbv	97
4) Chloromethane	3.153	50	863987	9.996	ppbv	98
5) Vinyl Chloride	3.269	62	828675	10.256	ppbv	95
6) Bromomethane	3.488	94	395531	9.951	ppbv	96
7) Chloroethane	3.568	64	287553	10.213	ppbv	96
8) Dichlorotetrafluoroethane	3.201	85	2018161	9.506	ppbv	97
9) Propene	3.021	41	742452	10.119	ppbv	99
10) Heptane	8.134	43	1809328	10.571	ppbv	99
11) Trichlorofluoromethane	3.963	101	1923737	9.149	ppbv	95
12) 1,1,2-Trichlorotrifluo...	4.500	101	1341651	9.649	ppbv	100
13) Ethanol	3.623	45	39669m	9.914	ppbv	
14) Bromoethene	3.754	108	629953	10.077	ppbv	98
15) Acetone	3.861	43	1347412	9.781	ppbv	99
16) 1,3-Butadiene	3.340	39	745563	10.068	ppbv	99
17) tert-Butyl alcohol	4.298	59	1225760	11.471	ppbv	98
18) 1,1-Dichloroethene	4.304	96	619408	9.930	ppbv	95
19) Isopropyl Alcohol	3.976	45	699194	10.821	ppbv	100
20) Methylene Chloride	4.359	84	497625	8.572	ppbv	95
21) Allyl Chloride	4.426	41	908029	9.771	ppbv	97
22) trans-1,2-Dichloroethene	4.899	96	619348	10.319	ppbv	98
23) Vinyl Acetate	5.086	43	1177400	10.330	ppbv	98
24) 1,1-Dichloroethane	5.028	63	1211401	7.757	ppbv	99
25) Ethyl Acetate	5.690	43	3149679	10.144	ppbv	99
26) Hexane	5.703	57	1384892	10.149	ppbv	98
27) Carbon Disulfide	4.565	76	1412084	9.985	ppbv	99
28) Methyl tert-Butyl Ether	5.047	73	1207686	8.017	ppbv	100
29) Chloroform	5.767	83	2279238	9.927	ppbv	98
30) Cyclohexane	7.147	84	1168096	10.190	ppbv	98
31) cis-1,2-Dichloroethene	5.565	61	1441200	10.359	ppbv	98
32) 1,1,1-Trichloroethane	6.526	97	2293046	10.206	ppbv	99
34) 2-Butanone	5.256	43	1935774	10.420	ppbv	99
35) Carbon Tetrachloride	7.034	117	2365404	9.477	ppbv	98
36) Benzene	6.905	78	2814181	10.137	ppbv	99
37) 1,2-Dichloroethane	6.320	62	1717415	9.400	ppbv	98
38) Trichloroethene	7.851	130	1357301	10.644	ppbv	97
39) 1,2-Dichloropropane	7.629	63	1107601	10.030	ppbv	97
40) 1,4-Dioxane	7.841	88	328669m	9.041	ppbv	
41) Tetrahydrofuran	6.063	42	1151036	10.302	ppbv	99
42) Bromodichloromethane	7.806	83	2525246	9.959	ppbv	99
43) Methyl Methacrylate	8.024	69	1169537	10.815	ppbv	98
44) 2,2,4-Trimethylpentane	7.883	57	4764343	9.810	ppbv	99
45) t-1,3-Dichloropropene	9.291	75	1313972	11.667	ppbv	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.719	75	1648455	11.080	ppbv	99
47) 1,1,2-Trichloroethane	9.491	97	1173263	10.184	ppbv	98
48) Dibromochloromethane	10.320	129	2129596	10.353	ppbv	98
49) Bromoform	13.056	173	1722865	10.050	ppbv	99
50) 4-Methyl-2-Pentanone	8.751	43	2915868	10.486	ppbv	99
51) 2-Hexanone	10.143	43	2295556	10.609	ppbv #	100
52) Tetrachloroethene	11.240	164	1059716	9.777	ppbv	97
53) Toluene	9.822	91	3347809	10.473	ppbv	100
54) 1,2-Dibromoethane	10.626	107	1666903	10.768	ppbv	94
56) 1,1,1,2-Tetrachloroethane	12.140	131	1458469	9.906	ppbv	98
57) Chlorobenzene	12.163	112	2471594	10.557	ppbv	96
58) Ethyl Benzene	12.722	91	4518317	10.542	ppbv	97
59) m/p-Xylene	13.015	91	7635565m	20.231	ppbv	
60) o-Xylene	13.706	91	3686776	10.396	ppbv	100
61) Styrene	13.542	104	2147806	11.309	ppbv	97
62) Isopropylbenzene	14.680	105	5303321	10.061	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.690	83	1870769	9.398	ppbv	98
64) n-propylbenzene	15.574	120	1331047	10.272	ppbv	94
65) tert-Butylbenzene	16.757	119	4703161	9.757	ppbv	99
66) Benzyl Chloride	16.998	91	714268	11.397	ppbv	98
67) sec-Butylbenzene	17.304	105	6660634	10.128	ppbv	100
69) p-Isopropyltoluene	17.664	119	5590493	10.075	ppbv	99
70) n-Butylbenzene	18.561	91	5891067	10.344	ppbv	100
71) 2-Chlorotoluene	15.468	91	3995168	9.939	ppbv	99
72) 4-Ethyltoluene	15.850	105	4231513	10.180	ppbv	99
73) 1,3,5-Trimethylbenzene	16.008	105	3949826	10.536	ppbv	100
74) 1,2,4-Trimethylbenzene	16.776	105	4221765	10.091	ppbv	92
75) 1,3-Dichlorobenzene	17.008	146	2461623	10.395	ppbv	99
76) 1,4-Dichlorobenzene	17.149	146	2342723	9.916	ppbv	99
77) 1,2-Dichlorobenzene	17.828	146	2376504	9.957	ppbv	99
78) Hexachloro-1,3-Butadiene	23.384	225	2001576	9.171	ppbv	99
79) Naphthalene	22.207	128	4036319	12.533	ppbv	98
80) Naphthalene,2-methyl-	24.976	142	1765631	14.756	ppbv	95
81) 1,2,4-Trichlorobenzene	21.937	180	2259498	11.074	ppbv #	100

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

