

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL053122\
 Data File : VL039140.D
 Acq On : 31 May 2022 21:53
 Operator : SY/AP
 Sample : VSTDICV010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL053122

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 06/01/2022
 Supervised By : Mahesh Dadoda 06/01/2022

Quant Time: Jun 01 01:30:40 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 01:30:40 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	1395346	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	7.182	114	3551857	10.000	ppbv	0.00
55) Chlorobenzene-d5	12.092	117	3442525m	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 14.420 95 2797034 9.828 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 98.300%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.057	85	2090235	8.529	ppbv	100
3) Chlorodifluoromethane	2.996	51	1636091	9.215	ppbv	98
4) Chloromethane	3.150	50	869614	9.536	ppbv	99
5) Vinyl Chloride	3.266	62	816961	9.583	ppbv	99
6) Bromomethane	3.484	94	392737	9.365	ppbv	96
7) Chloroethane	3.565	64	281368	9.472	ppbv	95
8) Dichlorotetrafluoroethane	3.198	85	2029330	9.060	ppbv	97
9) Propene	3.018	41	733584	9.476	ppbv	98
10) Heptane	8.127	43	1775033	9.829	ppbv	99
11) Trichlorofluoromethane	3.960	101	1980952	8.929	ppbv	98
12) 1,1,2-Trichlorotrifluo...	4.491	101	1346484	9.178	ppbv	99
13) Ethanol	3.610	45	43324m	10.262	ppbv	
14) Bromoethene	3.748	108	655907	9.945	ppbv	95
15) Acetone	3.854	43	1304222	8.973	ppbv	98
16) 1,3-Butadiene	3.333	39	757061	9.689	ppbv	99
17) tert-Butyl alcohol	4.288	59	1205648	10.694	ppbv	98
18) 1,1-Dichloroethene	4.295	96	621043	9.436	ppbv	98
19) Isopropyl Alcohol	3.967	45	731758	10.734	ppbv #	98
20) Methylene Chloride	4.353	84	494037	8.066	ppbv	94
21) Allyl Chloride	4.417	41	931356	9.499	ppbv	99
22) trans-1,2-Dichloroethene	4.893	96	597521	9.436	ppbv	96
23) Vinyl Acetate	5.079	43	1331642	11.073	ppbv	99
24) 1,1-Dichloroethane	5.018	63	1496917	9.085	ppbv	98
25) Ethyl Acetate	5.680	43	3130131	9.555	ppbv	100
26) Hexane	5.693	57	1376729	9.563	ppbv	99
27) Carbon Disulfide	4.555	76	1420856	9.522	ppbv	98
28) Methyl tert-Butyl Ether	5.041	73	1527336	9.610	ppbv	99
29) Chloroform	5.758	83	2268470	9.364	ppbv	100
30) Cyclohexane	7.134	84	1143168	9.452	ppbv	99
31) cis-1,2-Dichloroethene	5.555	61	1442035	9.824	ppbv	99
32) 1,1,1-Trichloroethane	6.516	97	2306423	9.730	ppbv	99
34) 2-Butanone	5.246	43	1886472	9.776	ppbv	98
35) Carbon Tetrachloride	7.024	117	2457678	9.480	ppbv	97
36) Benzene	6.896	78	2747330	9.528	ppbv	99
37) 1,2-Dichloroethane	6.314	62	1753547	9.240	ppbv	99
38) Trichloroethene	7.841	130	1346929	10.169	ppbv	97
39) 1,2-Dichloropropane	7.619	63	1089883	9.502	ppbv	98
40) 1,4-Dioxane	7.835	88	359820	9.529	ppbv #	1
41) Tetrahydrofuran	6.057	42	1129868	9.736	ppbv	100
42) Bromodichloromethane	7.796	83	2529073	9.603	ppbv	97
43) Methyl Methacrylate	8.021	69	1157134	10.302	ppbv	98
44) 2,2,4-Trimethylpentane	7.873	57	4714780	9.346	ppbv	99
45) t-1,3-Dichloropropene	9.285	75	1364071	11.661	ppbv	97

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.709	75	1657334	10.725	ppbv	99
47) 1,1,2-Trichloroethane	9.481	97	1156415	9.664	ppbv	97
48) Dibromochloromethane	10.310	129	2149567	10.061	ppbv	99
49) Bromoform	13.043	173	1776907	9.979	ppbv	99
50) 4-Methyl-2-Pentanone	8.745	43	2905555	10.059	ppbv	99
51) 2-Hexanone	10.137	43	2282497	10.155	ppbv #	100
52) Tetrachloroethene	11.227	164	1047903	9.307	ppbv	96
53) Toluene	9.812	91	3262717	9.826	ppbv	100
54) 1,2-Dibromoethane	10.616	107	1621029	10.081	ppbv	92
56) 1,1,1,2-Tetrachloroethane	12.127	131	1448189	8.890	ppbv	99
57) Chlorobenzene	12.150	112	2401940	9.273	ppbv	95
58) Ethyl Benzene	12.716	91	4361653	9.198	ppbv	97
59) m/p-Xylene	13.002	91	7543932m	18.066	ppbv	
60) o-Xylene	13.696	91	3556378	9.064	ppbv	100
61) Styrene	13.532	104	2078822	9.894	ppbv	98
62) Isopropylbenzene	14.670	105	5205148	8.925	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.677	83	1884620	8.557	ppbv	99
64) n-propylbenzene	15.564	120	1363895	9.514	ppbv	96
65) tert-Butylbenzene	16.747	119	4702282	8.817	ppbv	99
66) Benzyl Chloride	16.989	91	776829	11.203	ppbv	99
67) sec-Butylbenzene	17.297	105	6547272	8.998	ppbv	99
69) p-Isopropyltoluene	17.654	119	5528710	9.006	ppbv	99
70) n-Butylbenzene	18.551	91	5787389	9.184	ppbv	99
71) 2-Chlorotoluene	15.455	91	4001668	8.998	ppbv	99
72) 4-Ethyltoluene	15.838	105	4326061	9.407	ppbv	99
73) 1,3,5-Trimethylbenzene	15.995	105	3862712	9.313	ppbv	97
74) 1,2,4-Trimethylbenzene	16.764	105	4142774	8.950	ppbv	94
75) 1,3-Dichlorobenzene	16.998	146	2435627	9.296	ppbv	99
76) 1,4-Dichlorobenzene	17.137	146	2391260	9.148	ppbv	99
77) 1,2-Dichlorobenzene	17.818	146	2386701	9.039	ppbv	99
78) Hexachloro-1,3-Butadiene	23.371	225	2023008	8.378	ppbv	99
79) Naphthalene	22.191	128	3927826	11.023	ppbv	99
80) Naphthalene,2-methyl-	24.966	142	1674372	12.648	ppbv	95
81) 1,2,4-Trichlorobenzene	21.921	180	2163710	9.585	ppbv #	100

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

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