

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL053122\
 Data File : VL039136.D
 Acq On : 31 May 2022 18:19
 Operator : SY/AP
 Sample : VSTDICC0.5
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.5

Manual Integrations
 APPROVED

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

Quant Time: May 31 19:54:21 2022

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue May 31 2022

QLast Update : Tue May 31 17:05:54 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.674	49	1287040	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	7.182	114	3292148	10.000	ppbv	0.00
55) Chlorobenzene-d5	12.089	117	2886299	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 14.417 95 2444672 10.695 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 107.000%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.057	85	127026	0.630	ppbv	98
3) Chlorodifluoromethane	2.999	51	90626	0.567	ppbv	99
4) Chloromethane	3.150	50	45510	0.569	ppbv	93
5) Vinyl Chloride	3.269	62	42034	0.576	ppbv	89
6) Bromomethane	3.485	94	21508	0.623	ppbv	86
7) Chloroethane	3.565	64	12882	0.527	ppbv #	87
8) Dichlorotetrafluoroethane	3.198	85	108763	0.595	ppbv	88
9) Propene	3.018	41	42995	0.616	ppbv	99
10) Heptane	8.124	43	82785	0.484	ppbv	91
11) Trichlorofluoromethane	3.964	101	114622m	0.662	ppbv	
12) 1,1,2-Trichlorotrifluo...	4.494	101	74209	0.623	ppbv	95
13) Ethanol	3.629	45	2336m	0.473	ppbv	
14) Bromoethene	3.748	108	30181	0.614	ppbv #	81
15) Acetone	3.867	43	77583m	0.639	ppbv	
16) 1,3-Butadiene	3.337	39	34633	0.497	ppbv	82
17) tert-Butyl alcohol	4.311	59	53499	0.573	ppbv	99
18) 1,1-Dichloroethene	4.298	96	26975	0.526	ppbv	89
19) Isopropyl Alcohol	3.983	45	34172m	0.592	ppbv	
20) Methylene Chloride	4.353	84	33476	0.732	ppbv #	95
21) Allyl Chloride	4.423	41	50468m	0.610	ppbv	
22) trans-1,2-Dichloroethene	4.899	96	30087	0.543	ppbv #	63
23) Vinyl Acetate	5.089	43	49007	0.510	ppbv #	91
24) 1,1-Dichloroethane	5.022	63	85024	0.769	ppbv	97
25) Ethyl Acetate	5.697	43	164368m	0.566	ppbv	
26) Hexane	5.694	57	70094	0.543	ppbv	93
27) Carbon Disulfide	4.559	76	67924m	0.554	ppbv	
28) Methyl tert-Butyl Ether	5.050	73	80238m	0.817	ppbv	
29) Chloroform	5.758	83	120315	0.576	ppbv	90
30) Cyclohexane	7.137	84	61215m	0.566	ppbv	
31) cis-1,2-Dichloroethene	5.555	61	72438m	0.551	ppbv	
32) 1,1,1-Trichloroethane	6.517	97	114890	0.550	ppbv	96
34) 2-Butanone	5.263	43	87893	0.523	ppbv	96
35) Carbon Tetrachloride	7.028	117	122811	0.566	ppbv #	85
36) Benzene	6.899	78	134516	0.477	ppbv	96
37) 1,2-Dichloroethane	6.311	62	85864	0.493	ppbv	98
38) Trichloroethene	7.838	130	63691	0.509	ppbv #	87
39) 1,2-Dichloropropane	7.619	63	54192	0.494	ppbv	89
40) 1,4-Dioxane	7.877	88	17279m	0.439	ppbv	
41) Tetrahydrofuran	6.079	42	53313m	0.472	ppbv	
42) Bromodichloromethane	7.796	83	119997	0.504	ppbv	99
43) Methyl Methacrylate	8.025	69	47826	0.418	ppbv	96
44) 2,2,4-Trimethylpentane	7.873	57	239890	0.485	ppbv	97
45) t-1,3-Dichloropropene	9.279	75	41446	0.374	ppbv	94

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.706	75	60601m	0.413	ppbv	
47) 1,1,2-Trichloroethane	9.481	97	53801	0.472	ppbv	96
48) Dibromochloromethane	10.307	129	88265	0.476	ppbv	94
49) Bromoform	13.044	173	72615	0.513	ppbv	98
50) 4-Methyl-2-Pentanone	8.764	43	119104	0.404	ppbv	94
51) 2-Hexanone	10.160	43	94694m	0.441	ppbv	
52) Tetrachloroethene	11.227	164	54906m	0.545	ppbv	
53) Toluene	9.812	91	147665	0.468	ppbv	99
54) 1,2-Dibromoethane	10.613	107	70168	0.452	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.131	131	73849	0.583	ppbv #	1
57) Chlorobenzene	12.150	112	110171	0.509	ppbv	91
58) Ethyl Benzene	12.716	91	205037	0.494	ppbv	95
59) m/p-Xylene	12.995	91	364686m	1.028	ppbv	
60) o-Xylene	13.693	91	170643	0.511	ppbv	99
61) Styrene	13.529	104	83491m	0.469	ppbv	
62) Isopropylbenzene	14.671	105	262321	0.537	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.680	83	99512m	0.506	ppbv	
64) n-propylbenzene	15.561	120	59928	0.508	ppbv	74
65) tert-Butylbenzene	16.745	119	237911m	0.556	ppbv	
66) Benzyl Chloride	16.989	91	23032m	0.412	ppbv	
67) sec-Butylbenzene	17.294	105	310366	0.508	ppbv	100
69) p-Isopropyltoluene	17.654	119	266033	0.539	ppbv	98
70) n-Butylbenzene	18.548	91	254998	0.486	ppbv	99
71) 2-Chlorotoluene	15.455	91	192795	0.512	ppbv	100
72) 4-Ethyltoluene	15.838	105	199054m	0.523	ppbv	
73) 1,3,5-Trimethylbenzene	15.999	105	172215	0.503	ppbv	94
74) 1,2,4-Trimethylbenzene	16.757	105	200717	0.535	ppbv #	90
75) 1,3-Dichlorobenzene	16.989	146	110295	0.537	ppbv	94
76) 1,4-Dichlorobenzene	17.134	146	117142m	0.580	ppbv	
77) 1,2-Dichlorobenzene	17.818	146	116130m	0.572	ppbv	
78) Hexachloro-1,3-Butadiene	23.374	225	110088	0.590	ppbv	95
79) Naphthalene	22.204	128	138860m	0.456	ppbv	
80) Naphthalene,2-methyl-	24.972	142	31653m	0.344	ppbv	
81) 1,2,4-Trichlorobenzene	21.928	180	89181m	0.500	ppbv	

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

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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue May

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