

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL062922\
 Data File : VL039397.D
 Acq On : 29 Jun 2022 13:45
 Operator : SY/AP
 Sample : VSTDICC0.5
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.5

Quant Time: Jun 29 15:36:42 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL062922AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jun 29 15:33:53 2022

QLast Update : Wed Jun 29 15:33:53 2022

Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 07/01/2022
 Supervised By : Mahesh Dadoda 07/01/2022

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

Internal Standards						
1) Bromochloromethane	5.652	49	1255989	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	7.156	114	3601965	10.000	ppbv	0.00
55) Chlorobenzene-d5	12.063	117	3204976	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 14.391 95 2370303 8.946 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 89.500%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.041	85	118062	0.535	ppbv	95
3) Chlorodifluoromethane	2.980	51	88588	0.554	ppbv	99
4) Chloromethane	3.128	50	49110	0.598	ppbv #	84
5) Vinyl Chloride	3.250	62	44441	0.579	ppbv	97
6) Bromomethane	3.462	94	20099	0.532	ppbv	87
7) Chloroethane	3.542	64	16575m	0.620	ppbv	
8) Dichlorotetrafluoroethane	3.179	85	109227	0.542	ppbv	95
9) Propene	3.002	41	38578	0.554	ppbv	95
10) Heptane	8.108	43	79910	0.492	ppbv	93
11) Trichlorofluoromethane	3.944	101	115175m	0.577	ppbv	
12) 1,1,2-Trichlorotrifluo...	4.472	101	83688m	0.634	ppbv	
13) Ethanol	3.603	45	2317m	0.610	ppbv	
14) Bromoethene	3.729	108	35212m	0.593	ppbv	
15) Acetone	3.848	43	74803	0.572	ppbv #	88
16) 1,3-Butadiene	3.317	39	37906	0.539	ppbv	92
17) tert-Butyl alcohol	4.288	59	59920	0.590	ppbv #	91
18) 1,1-Dichloroethene	4.275	96	39343m	0.664	ppbv	
19) Isopropyl Alcohol	3.967	45	46969m	0.765	ppbv	
20) Methylene Chloride	4.330	84	33571m	0.609	ppbv	
21) Allyl Chloride	4.401	41	53971	0.612	ppbv	92
22) trans-1,2-Dichloroethene	4.874	96	34386	0.603	ppbv #	86
23) Vinyl Acetate	5.063	43	46620	0.431	ppbv #	95
24) 1,1-Dichloroethane	4.996	63	77075m	0.520	ppbv	
25) Ethyl Acetate	5.668	43	156806	0.532	ppbv #	97
26) Hexane	5.668	57	71062m	0.548	ppbv	
27) Carbon Disulfide	4.542	76	73359m	0.546	ppbv	
28) Methyl tert-Butyl Ether	5.034	73	73483m	0.514	ppbv	
29) Chloroform	5.735	83	110598	0.507	ppbv	96
30) Cyclohexane	7.115	84	59677m	0.548	ppbv	
31) cis-1,2-Dichloroethene	5.536	61	66662	0.505	ppbv	95
32) 1,1,1-Trichloroethane	6.497	97	106613	0.500	ppbv	95
34) 2-Butanone	5.240	43	93049m	0.475	ppbv	
35) Carbon Tetrachloride	6.999	117	113669	0.432	ppbv	96
36) Benzene	6.873	78	140829	0.482	ppbv	95
37) 1,2-Dichloroethane	6.291	62	85810m	0.446	ppbv	
38) Trichloroethene	7.819	130	76931m	0.573	ppbv	
39) 1,2-Dichloropropane	7.594	63	52617m	0.452	ppbv	
40) 1,4-Dioxane	7.841	88	19752m	0.516	ppbv	
41) Tetrahydrofuran	6.060	42	50358m	0.428	ppbv	
42) Bromodichloromethane	7.774	83	108749	0.407	ppbv	88
43) Methyl Methacrylate	8.002	69	48806m	0.428	ppbv	
44) 2,2,4-Trimethylpentane	7.851	57	234392	0.458	ppbv	96
45) t-1,3-Dichloropropene	9.266	75	39218m	0.331	ppbv	

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46) cis-1,3-Dichloropropene	8.684	75	54752m	0.349	ppbv	
47) 1,1,2-Trichloroethane	9.452	97	57470	0.474	ppbv	94
48) Dibromochloromethane	10.282	129	78237	0.361	ppbv	92
49) Bromoform	13.011	173	61832m	0.342	ppbv	
50) 4-Methyl-2-Pentanone	8.735	43	128032m	0.437	ppbv	
51) 2-Hexanone	10.124	43	85998m	0.377	ppbv	
52) Tetrachloroethene	11.204	164	53725m	0.471	ppbv	
53) Toluene	9.783	91	150555m	0.447	ppbv	
54) 1,2-Dibromoethane	10.594	107	69363	0.425	ppbv	94
56) 1,1,1,2-Tetrachloroethane	12.105	131	73001	0.481	ppbv #	1
57) Chlorobenzene	12.124	112	128855	0.534	ppbv	89
58) Ethyl Benzene	12.687	91	196965	0.446	ppbv	95
59) m/p-Xylene	12.973	91	360329m	0.927	ppbv	
60) o-Xylene	13.671	91	165369	0.453	ppbv	96
61) Styrene	13.510	104	78346m	0.401	ppbv	
62) Isopropylbenzene	14.648	105	261796	0.482	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.655	83	88867	0.433	ppbv	100
64) n-propylbenzene	15.539	120	63560m	0.476	ppbv	
65) tert-Butylbenzene	16.722	119	242971	0.489	ppbv	95
66) Benzyl Chloride	16.969	91	17253m	0.267	ppbv	
67) sec-Butylbenzene	17.269	105	314921	0.465	ppbv	96
69) p-Isopropyltoluene	17.625	119	270332m	0.473	ppbv	
70) n-Butylbenzene	18.529	91	254577m	0.434	ppbv	
71) 2-Chlorotoluene	15.426	91	174992	0.423	ppbv	97
72) 4-Ethyltoluene	15.815	105	185332	0.433	ppbv	99
73) 1,3,5-Trimethylbenzene	15.970	105	177158	0.459	ppbv	91
74) 1,2,4-Trimethylbenzene	16.738	105	195678	0.454	ppbv	93
75) 1,3-Dichlorobenzene	16.969	146	121619	0.499	ppbv	96
76) 1,4-Dichlorobenzene	17.111	146	123667m	0.508	ppbv	
77) 1,2-Dichlorobenzene	17.789	146	125226m	0.509	ppbv	
78) Hexachloro-1,3-Butadiene	23.345	225	109920m	0.489	ppbv	
79) Naphthalene	22.172	128	123434m	0.372	ppbv	
80) Naphthalene,2-methyl-	24.950	142	24741m	0.201	ppbv	
81) 1,2,4-Trichlorobenzene	21.895	180	82647m	0.393	ppbv	

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

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