

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL062222\
 Data File : VL039323.D
 Acq On : 22 Jun 2022 17:01
 Operator : SY/AP
 Sample : N3214-14 LOQ 0.5
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT2-2022

Quant Time: Jun 23 07:28:26 2022

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jun 23 07:28:26 2022

QLast Update : Wed Jun 01 01:22:18 2022

Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 06/24/2022
 Supervised By : Mahesh Dadoda 06/28/2022

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	5.668	49	1167100	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	7.172	114	3385464	10.000	ppbv	0.00
55) Chlorobenzene-d5	12.079	117	3096376	10.000	ppbv	-0.01
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.410	95	2370826	9.261	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	92.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	3.054	85	105162	0.513	ppbv	94
3) Chlorodifluoromethane	2.989	51	84452	0.569	ppbv	96
4) Chloromethane	3.144	50	42780m	0.561	ppbv	
5) Vinyl Chloride	3.259	62	40946m	0.574	ppbv	
6) Bromomethane	3.475	94	20839m	0.594	ppbv	
7) Chloroethane	3.555	64	13963m	0.562	ppbv	
8) Dichlorotetrafluoroethane	3.189	85	105312m	0.562	ppbv	
9) Propene	3.012	41	38433	0.594	ppbv	99
10) Heptane	8.118	43	78500	0.520	ppbv	96
11) Trichlorofluoromethane	3.954	101	97498	0.525	ppbv	95
12) 1,1,2-Trichlorotrifluoro...	4.488	101	75380	0.614	ppbv	97
13) Ethanol	3.613	45	2310m	0.654	ppbv	
14) Bromoethene	3.742	108	29399m	0.533	ppbv	
15) Acetone	3.861	43	82381m	0.678	ppbv	
16) 1,3-Butadiene	3.330	39	39766	0.608	ppbv	95
17) tert-Butyl alcohol	4.301	59	61714m	0.654	ppbv	
18) 1,1-Dichloroethene	4.295	96	34759m	0.631	ppbv	
19) Isopropyl Alcohol	3.976	45	34879m	0.612	ppbv	
20) Methylene Chloride	4.346	84	46314	0.904	ppbv #	85
21) Allyl Chloride	4.410	41	46319	0.565	ppbv	88
22) trans-1,2-Dichloroethene	4.890	96	31392m	0.593	ppbv	
23) Vinyl Acetate	5.076	43	55984m	0.557	ppbv	
24) 1,1-Dichloroethane	5.009	63	69259	0.503	ppbv	97
25) Ethyl Acetate	5.684	43	153837	0.561	ppbv	98
26) Hexane	5.687	57	67381m	0.560	ppbv	
27) Carbon Disulfide	4.552	76	58961	0.472	ppbv #	83
28) Methyl tert-Butyl Ether	5.047	73	59847m	0.450	ppbv	
29) Chloroform	5.751	83	97278	0.480	ppbv	99
30) Cyclohexane	7.127	84	60279m	0.596	ppbv	
31) cis-1,2-Dichloroethene	5.549	61	59708	0.486	ppbv	94
32) 1,1,1-Trichloroethane	6.510	97	102547m	0.517	ppbv	
34) 2-Butanone	5.256	43	89950m	0.489	ppbv	
35) Carbon Tetrachloride	7.015	117	97927	0.396	ppbv	95
36) Benzene	6.890	78	124570	0.453	ppbv #	91
37) 1,2-Dichloroethane	6.301	62	73254	0.405	ppbv #	94
38) Trichloroethene	7.828	130	69237m	0.548	ppbv	
39) 1,2-Dichloropropane	7.610	63	49714	0.455	ppbv	97
40) 1,4-Dioxane	7.867	88	21942m	0.610	ppbv	
41) Tetrahydrofuran	6.076	42	48886m	0.442	ppbv	
42) Bromodichloromethane	7.787	83	96058	0.383	ppbv #	97
43) Methyl Methacrylate	8.018	69	47973m	0.448	ppbv	
44) 2,2,4-Trimethylpentane	7.870	57	229258	0.477	ppbv	97
45) t-1,3-Dichloropropene	9.275	75	33143m	0.297	ppbv	

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QLast Update : Wed Jun 01 01:22:18 2022

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.697	75	52557m	0.357	ppbv	
47) 1,1,2-Trichloroethane	9.468	97	53036	0.465	ppbv	93
48) Dibromochloromethane	10.298	129	75421m	0.370	ppbv	
49) Bromoform	13.031	173	55728m	0.328	ppbv	
50) 4-Methyl-2-Pentanone	8.758	43	121481m	0.441	ppbv	
51) 2-Hexanone	10.153	43	83145m	0.388	ppbv	
52) Tetrachloroethene	11.224	164	53512m	0.499	ppbv	
53) Toluene	9.806	91	148189m	0.468	ppbv	
54) 1,2-Dibromoethane	10.610	107	69235m	0.452	ppbv	
56) 1,1,1,2-Tetrachloroethane	12.127	131	67608m	0.461	ppbv	
57) Chlorobenzene	12.143	112	132453m	0.569	ppbv	
58) Ethyl Benzene	12.706	91	198917	0.466	ppbv	99
59) m/p-Xylene	12.983	91	357468m	0.952	ppbv	
60) o-Xylene	13.683	91	171393	0.486	ppbv	99
61) Styrene	13.523	104	78801m	0.417	ppbv	
62) Isopropylbenzene	14.658	105	273466	0.521	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.674	83	90912m	0.459	ppbv	
64) n-propylbenzene	15.561	120	61420	0.476	ppbv	86
65) tert-Butylbenzene	16.738	119	241204	0.503	ppbv	99
66) Benzyl Chloride	16.979	91	18524m	0.297	ppbv	
67) sec-Butylbenzene	17.281	105	318200	0.486	ppbv	100
69) p-Isopropyltoluene	17.648	119	255463	0.463	ppbv	99
70) n-Butylbenzene	18.539	91	250946m	0.443	ppbv	
71) 2-Chlorotoluene	15.442	91	186366	0.466	ppbv	97
72) 4-Ethyltoluene	15.834	105	186821	0.452	ppbv	98
73) 1,3,5-Trimethylbenzene	15.989	105	167379	0.449	ppbv	99
74) 1,2,4-Trimethylbenzene	16.748	105	206798m	0.497	ppbv	
75) 1,3-Dichlorobenzene	16.986	146	122881m	0.521	ppbv	
76) 1,4-Dichlorobenzene	17.133	146	123056m	0.523	ppbv	
77) 1,2-Dichlorobenzene	17.812	146	115780m	0.487	ppbv	
78) Hexachloro-1,3-Butadiene	23.362	225	112260m	0.517	ppbv	
79) Naphthalene	22.191	128	129530	0.404	ppbv	98
80) Naphthalene,2-methyl-	24.972	142	29089m	0.244	ppbv	
81) 1,2,4-Trichlorobenzene	21.921	180	85221m	0.420	ppbv	

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

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