

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL052322\
 Data File : VL039088.D
 Acq On : 23 May 2022 17:02
 Operator : SY/AP
 Sample : 0.4 MDL
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 0.4 MDL

Quant Time: May 24 05:59:33 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL050522AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu May 26 13:00:07 2022
 QLast Update : Thu May 05 10:12:15 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 05/25/2022
 Supervised By : Mahesh Dadoda 05/26/2022

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

Internal Standards						
1) Bromochloromethane	5.655	49	1045988	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	7.160	114	2514702	10.000	ppbv	-0.01
55) Chlorobenzene-d5	12.063	117	2145919	10.000	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.391	95	1860323	10.947	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	109.500%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.047	85	94357	0.576	ppbv	100
3) Chlorodifluoromethane	2.986	51	57265	0.441	ppbv	99
4) Chloromethane	3.144	50	25821	0.397	ppbv #	83
5) Vinyl Chloride	3.253	62	25287	0.426	ppbv	96
6) Bromomethane	3.468	94	14223m	0.507	ppbv	
7) Chloroethane	3.552	64	11530m	0.580	ppbv	
8) Dichlorotetrafluoroethane	3.189	85	65687	0.442	ppbv	88
9) Propene	3.009	41	26210m	0.462	ppbv	
10) Heptane	8.105	43	47457m	0.341	ppbv	
11) Trichlorofluoromethane	3.944	101	67856	0.483	ppbv	92
12) 1,1,2-Trichlorotrifluo...	4.475	101	47358m	0.489	ppbv	
13) Ethanol	3.613	45	2045	0.510	ppbv #	22
14) Bromoethene	3.732	108	19327	0.484	ppbv #	94
15) Acetone	3.857	43	63120m	0.640	ppbv	
16) 1,3-Butadiene	3.327	39	26967m	0.476	ppbv	
17) tert-Butyl alcohol	4.295	59	40925m	0.540	ppbv	
18) 1,1-Dichloroethene	4.282	96	20329m	0.488	ppbv	
19) Isopropyl Alcohol	3.970	45	24719m	0.527	ppbv	
20) Methylene Chloride	4.336	84	22247m	0.598	ppbv	
21) Allyl Chloride	4.401	41	28100m	0.418	ppbv	
22) trans-1,2-Dichloroethene	4.873	96	19886	0.442	ppbv	93
23) Vinyl Acetate	5.070	43	34784	0.446	ppbv #	86
24) 1,1-Dichloroethane	4.999	63	38161	0.424	ppbv	96
25) Ethyl Acetate	5.674	43	83298	0.353	ppbv #	94
26) Hexane	5.680	57	39200m	0.374	ppbv	
27) Carbon Disulfide	4.542	76	36931	0.371	ppbv #	80
28) Methyl tert-Butyl Ether	5.041	73	44088m	0.552	ppbv	
29) Chloroform	5.742	83	73832	0.435	ppbv	94
30) Cyclohexane	7.118	84	36075m	0.411	ppbv	
31) cis-1,2-Dichloroethene	5.539	61	41768m	0.391	ppbv	
32) 1,1,1-Trichloroethane	6.500	97	66525m	0.392	ppbv	
34) 2-Butanone	5.243	43	57481m	0.448	ppbv	
35) Carbon Tetrachloride	7.008	117	68591m	0.414	ppbv	
36) Benzene	6.880	78	76095m	0.354	ppbv	
37) 1,2-Dichloroethane	6.288	62	56593	0.425	ppbv	98
38) Trichloroethene	7.822	130	32825	0.343	ppbv #	84
39) 1,2-Dichloropropane	7.594	63	31656m	0.378	ppbv	
40) 1,4-Dioxane	7.851	88	13043m	0.434	ppbv	
41) Tetrahydrofuran	6.066	42	29655m	0.344	ppbv	
42) Bromodichloromethane	7.780	83	68188m	0.375	ppbv	
43) Methyl Methacrylate	8.008	69	27709m	0.317	ppbv	
44) 2,2,4-Trimethylpentane	7.857	57	138120m	0.366	ppbv	
45) t-1,3-Dichloropropene	9.262	75	23993m	0.284	ppbv	

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46) cis-1,3-Dichloropropene	8.687	75	32187	0.287	ppbv	#	83
47) 1,1,2-Trichloroethane	9.455	97	33123m	0.380	ppbv		
48) Dibromochloromethane	10.282	129	47691m	0.336	ppbv		
49) Bromoform	13.011	173	32203m	0.298	ppbv		
50) 4-Methyl-2-Pentanone	8.745	43	73929m	0.329	ppbv		
51) 2-Hexanone	10.130	43	50530m	0.308	ppbv		
52) Tetrachloroethene	11.201	164	25631m	0.333	ppbv		
53) Toluene	9.790	91	71997	0.298	ppbv		93
54) 1,2-Dibromoethane	10.590	107	42126m	0.355	ppbv		
56) 1,1,1,2-Tetrachloroethane	12.108	131	36498	0.388	ppbv	#	67
57) Chlorobenzene	12.121	112	67889m	0.422	ppbv		
58) Ethyl Benzene	12.690	91	107247	0.347	ppbv		93
59) m/p-Xylene	12.976	91	199674m	0.757	ppbv		
60) o-Xylene	13.667	91	90580	0.365	ppbv		94
61) Styrene	13.510	104	42793m	0.323	ppbv		
62) Isopropylbenzene	14.645	105	139743	0.385	ppbv		97
63) 1,1,2,2-Tetrachloroethane	13.658	83	57353m	0.393	ppbv		
64) n-propylbenzene	15.542	120	32274m	0.368	ppbv		
65) tert-Butylbenzene	16.722	119	116779	0.367	ppbv		91
66) Benzyl Chloride	16.966	91	13434m	0.323	ppbv		
67) sec-Butylbenzene	17.268	105	165036m	0.363	ppbv		
69) p-Isopropyltoluene	17.632	119	131415m	0.358	ppbv		
70) n-Butylbenzene	18.529	91	134098m	0.344	ppbv		
71) 2-Chlorotoluene	15.429	91	106505m	0.381	ppbv		
72) 4-Ethyltoluene	15.815	105	92191	0.326	ppbv	#	94
73) 1,3,5-Trimethylbenzene	15.969	105	93319	0.367	ppbv		89
74) 1,2,4-Trimethylbenzene	16.735	105	105634m	0.379	ppbv		
75) 1,3-Dichlorobenzene	16.969	146	60274m	0.395	ppbv		
76) 1,4-Dichlorobenzene	17.117	146	55813m	0.372	ppbv		
77) 1,2-Dichlorobenzene	17.799	146	56289m	0.373	ppbv		
78) Hexachloro-1,3-Butadiene	23.355	225	58170m	0.419	ppbv		
79) Naphthalene	22.175	128	65510m	0.289	ppbv		
80) Naphthalene,2-methyl-	24.956	142	12826m	0.187	ppbv		
81) 1,2,4-Trichlorobenzene	21.902	180	41967m	0.316	ppbv		

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

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