

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL062222\
 Data File : VL039327.D
 Acq On : 22 Jun 2022 19:35
 Operator : SY/AP
 Sample : N3214-13 LOD 0.1
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2022

Quant Time: Jun 23 07:30:04 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 07:30:04 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	1133664	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	7.169	114	3227823	10.000	ppbv	-0.01
55) Chlorobenzene-d5	12.082	117	2918355	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.404	95	2285771	9.474	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.700%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	3.051	85	29983m	0.151	ppbv	
3) Chlorodifluoromethane	2.989	51	16485	0.114	ppbv	99
4) Chloromethane	3.144	50	9588m	0.129	ppbv	
5) Vinyl Chloride	3.266	62	9017m	0.130	ppbv	
6) Bromomethane	3.485	94	4593m	0.135	ppbv	
7) Chloroethane	3.559	64	3143m	0.130	ppbv	
8) Dichlorotetrafluoroethane	3.192	85	23579	0.130	ppbv	93
9) Propene	3.012	41	13864m	0.220	ppbv	
10) Heptane	8.118	43	13781m	0.094	ppbv	
11) Trichlorofluoromethane	3.951	101	24277m	0.135	ppbv	
12) 1,1,2-Trichlorotrifluo...	4.481	101	18506m	0.155	ppbv	
13) Ethanol	3.616	45	381	0.111	ppbv #	100
14) Bromoethene	3.745	108	7019	0.131	ppbv #	93
15) Acetone	3.883	43	21759m	0.184	ppbv	
16) 1,3-Butadiene	3.334	39	8261m	0.130	ppbv	
17) tert-Butyl alcohol	4.317	59	14692m	0.160	ppbv	
18) 1,1-Dichloroethene	4.288	96	8001m	0.150	ppbv	
19) Isopropyl Alcohol	3.983	45	6941m	0.125	ppbv	
20) Methylene Chloride	4.346	84	11644m	0.234	ppbv	
21) Allyl Chloride	4.411	41	12008m	0.151	ppbv	
22) trans-1,2-Dichloroethene	4.890	96	7301m	0.142	ppbv	
23) Vinyl Acetate	5.089	43	12391m	0.127	ppbv	
24) 1,1-Dichloroethane	5.012	63	16262m	0.121	ppbv	
25) Ethyl Acetate	5.687	43	30254m	0.114	ppbv	
26) Hexane	5.687	57	14206m	0.121	ppbv	
27) Carbon Disulfide	4.549	76	13640m	0.113	ppbv	
28) Methyl tert-Butyl Ether	5.060	73	16451m	0.127	ppbv	
29) Chloroform	5.751	83	24731m	0.126	ppbv	
30) Cyclohexane	7.131	84	18331m	0.187	ppbv	
31) cis-1,2-Dichloroethene	5.549	61	12971m	0.109	ppbv	
32) 1,1,1-Trichloroethane	6.517	97	21136m	0.110	ppbv	
34) 2-Butanone	5.263	43	20393m	0.116	ppbv	
35) Carbon Tetrachloride	7.021	117	20430m	0.087	ppbv	
36) Benzene	6.886	78	26290m	0.100	ppbv	
37) 1,2-Dichloroethane	6.301	62	16519m	0.096	ppbv	
38) Trichloroethene	7.832	130	14387m	0.120	ppbv	
39) 1,2-Dichloropropane	7.607	63	13778m	0.132	ppbv	
40) 1,4-Dioxane	7.906	88	3863m	0.113	ppbv	
41) Tetrahydrofuran	6.095	42	10351m	0.098	ppbv	
42) Bromodichloromethane	7.787	83	17222m	0.072	ppbv	
43) Methyl Methacrylate	8.012	69	8083m	0.079	ppbv	
44) 2,2,4-Trimethylpentane	7.864	57	40225m	0.088	ppbv	
45) t-1,3-Dichloropropene	9.285	75	6907m	0.065	ppbv	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.700	75	9560m	0.068	ppbv	
47) 1,1,2-Trichloroethane	9.475	97	11677m	0.107	ppbv	
48) Dibromochloromethane	10.291	129	13356m	0.069	ppbv	
49) Bromoform	13.031	173	9401m	0.058	ppbv	
50) 4-Methyl-2-Pentanone	8.774	43	23903m	0.091	ppbv	
51) 2-Hexanone	10.166	43	13299m	0.065	ppbv	
52) Tetrachloroethene	11.217	164	9802m	0.096	ppbv	
53) Toluene	9.796	91	24999m	0.083	ppbv	
54) 1,2-Dibromoethane	10.603	107	13893m	0.095	ppbv	
56) 1,1,1,2-Tetrachloroethane	12.127	131	13343m	0.097	ppbv	
57) Chlorobenzene	12.137	112	25967m	0.118	ppbv	
58) Ethyl Benzene	12.706	91	33274m	0.083	ppbv	
59) m/p-Xylene	12.989	91	57544m	0.163	ppbv	
60) o-Xylene	13.684	91	25282m	0.076	ppbv	
61) Styrene	13.520	104	11396m	0.064	ppbv	
62) Isopropylbenzene	14.651	105	47569m	0.096	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.680	83	16896m	0.090	ppbv	
64) n-propylbenzene	15.555	120	9902m	0.081	ppbv	
65) tert-Butylbenzene	16.738	119	35238m	0.078	ppbv	
66) Benzyl Chloride	16.976	91	2842m	0.048	ppbv	
67) sec-Butylbenzene	17.291	105	50746m	0.082	ppbv	
69) p-Isopropyltoluene	17.642	119	38761m	0.074	ppbv	
70) n-Butylbenzene	18.555	91	34348m	0.064	ppbv	
71) 2-Chlorotoluene	15.449	91	34452m	0.091	ppbv	
72) 4-Ethyltoluene	15.831	105	29786m	0.076	ppbv	
73) 1,3,5-Trimethylbenzene	15.986	105	26571m	0.076	ppbv	
74) 1,2,4-Trimethylbenzene	16.754	105	28224m	0.072	ppbv	
75) 1,3-Dichlorobenzene	16.995	146	22552m	0.102	ppbv	
76) 1,4-Dichlorobenzene	17.124	146	23627m	0.107	ppbv	
77) 1,2-Dichlorobenzene	17.815	146	23939m	0.107	ppbv	
78) Hexachloro-1,3-Butadiene	23.365	225	20683m	0.101	ppbv	
79) Naphthalene	22.188	128	13444m	0.045	ppbv	
81) 1,2,4-Trichlorobenzene	21.915	180	11709m	0.061	ppbv	

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

