

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL060822\
 Data File : VL039241.D
 Acq On : 8 Jun 2022 19:03
 Operator : SY/AP
 Sample : N3214-13 0.1 LOD
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

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

Quant Time: Jun 09 06:41:57 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL053122AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jun 09 06:41:57 2022
 QLast Update : Wed Jun 01 01:22:18 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 06/09/2022
 Supervised By : Mahesh Dadoda 06/09/2022

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

Internal Standards						
1) Bromochloromethane	5.677	49	1050926	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	7.185	114	2448706	10.000	ppbv	0.00
55) Chlorobenzene-d5	12.092	117	2029341	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.420	95	1772450	10.565	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	3.063	85	29058	0.157	ppbv	95
3) Chlorodifluoromethane	2.999	51	17200	0.129	ppbv	# 86
4) Chloromethane	3.153	50	9288m	0.135	ppbv	
5) Vinyl Chloride	3.269	62	8831m	0.138	ppbv	
6) Bromomethane	3.485	94	5317m	0.168	ppbv	
7) Chloroethane	3.575	64	4383m	0.196	ppbv	
8) Dichlorotetrafluoroethane	3.202	85	20951	0.124	ppbv	89
9) Propene	3.028	41	11336m	0.194	ppbv	
10) Heptane	8.134	43	12011m	0.088	ppbv	
11) Trichlorofluoromethane	3.964	101	28342m	0.170	ppbv	
12) 1,1,2-Trichlorotrifluo...	4.501	101	17166m	0.155	ppbv	
13) Ethanol	3.626	45	643	0.202	ppbv	# 100
14) Bromoethene	3.751	108	6569m	0.132	ppbv	
15) Acetone	3.883	43	25334m	0.231	ppbv	
16) 1,3-Butadiene	3.337	39	9377m	0.159	ppbv	
17) tert-Butyl alcohol	4.330	59	15119m	0.178	ppbv	
18) 1,1-Dichloroethene	4.295	96	8331m	0.168	ppbv	
19) Isopropyl Alcohol	4.002	45	7455m	0.145	ppbv	
20) Methylene Chloride	4.356	84	13770m	0.298	ppbv	
21) Allyl Chloride	4.427	41	12201m	0.165	ppbv	
22) trans-1,2-Dichloroethene	4.899	96	7665m	0.161	ppbv	
23) Vinyl Acetate	5.089	43	11989m	0.132	ppbv	
24) 1,1-Dichloroethane	5.018	63	16910m	0.136	ppbv	
25) Ethyl Acetate	5.697	43	26240m	0.106	ppbv	
26) Hexane	5.693	57	11223m	0.104	ppbv	
27) Carbon Disulfide	4.562	76	14194m	0.126	ppbv	
28) Methyl tert-Butyl Ether	5.057	73	17002m	0.142	ppbv	
29) Chloroform	5.761	83	23870m	0.131	ppbv	
30) Cyclohexane	7.169	84	12977m	0.142	ppbv	
31) cis-1,2-Dichloroethene	5.558	61	11140m	0.101	ppbv	
32) 1,1,1-Trichloroethane	6.513	97	21224m	0.119	ppbv	
34) 2-Butanone	5.282	43	14872m	0.112	ppbv	
35) Carbon Tetrachloride	7.028	117	20216m	0.113	ppbv	
36) Benzene	6.896	78	18520m	0.093	ppbv	
37) 1,2-Dichloroethane	6.324	62	18674m	0.143	ppbv	
38) Trichloroethene	7.841	130	10435m	0.114	ppbv	
39) 1,2-Dichloropropane	7.623	63	9100m	0.115	ppbv	
40) 1,4-Dioxane	7.896	88	3068m	0.118	ppbv	
41) Tetrahydrofuran	6.095	42	8214m	0.103	ppbv	
42) Bromodichloromethane	7.796	83	19209m	0.106	ppbv	
43) Methyl Methacrylate	8.034	69	7354m	0.095	ppbv	
44) 2,2,4-Trimethylpentane	7.880	57	31157m	0.090	ppbv	
45) t-1,3-Dichloropropene	9.291	75	5617m	0.070	ppbv	

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.719	75	7659m	0.072	ppbv	
47) 1,1,2-Trichloroethane	9.478	97	9124m	0.111	ppbv	
48) Dibromochloromethane	10.317	129	12134m	0.082	ppbv	
49) Bromoform	13.040	173	9469m	0.077	ppbv	
50) 4-Methyl-2-Pentanone	8.780	43	18213m	0.091	ppbv	
51) 2-Hexanone	10.182	43	10334m	0.067	ppbv	
52) Tetrachloroethene	11.233	164	8200m	0.106	ppbv	
53) Toluene	9.812	91	18912m	0.083	ppbv	
54) 1,2-Dibromoethane	10.619	107	10437m	0.094	ppbv	
56) 1,1,1,2-Tetrachloroethane	12.137	131	10932m	0.114	ppbv	
57) Chlorobenzene	12.153	112	18975m	0.124	ppbv	
58) Ethyl Benzene	12.716	91	26277m	0.094	ppbv	
59) m/p-Xylene	13.008	91	43870m	0.178	ppbv	
60) o-Xylene	13.700	91	22190m	0.096	ppbv	
61) Styrene	13.532	104	9479m	0.077	ppbv	
62) Isopropylbenzene	14.671	105	36272m	0.106	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.683	83	13015m	0.100	ppbv	
64) n-propylbenzene	15.571	120	6586m	0.078	ppbv	
65) tert-Butylbenzene	16.748	119	26568m	0.085	ppbv	
66) Benzyl Chloride	16.995	91	3391m	0.083	ppbv	
67) sec-Butylbenzene	17.294	105	39383m	0.092	ppbv	
69) p-Isopropyltoluene	17.667	119	25761m	0.071	ppbv	
70) n-Butylbenzene	18.561	91	29178m	0.079	ppbv	
71) 2-Chlorotoluene	15.455	91	25464	0.097	ppbv	95
72) 4-Ethyltoluene	15.857	105	20639m	0.076	ppbv	
73) 1,3,5-Trimethylbenzene	16.005	105	21473m	0.088	ppbv	
74) 1,2,4-Trimethylbenzene	16.770	105	26063m	0.096	ppbv	
75) 1,3-Dichlorobenzene	16.995	146	18549m	0.120	ppbv	
76) 1,4-Dichlorobenzene	17.156	146	14394m	0.093	ppbv	
77) 1,2-Dichlorobenzene	17.825	146	15909m	0.102	ppbv	
78) Hexachloro-1,3-Butadiene	23.394	225	15904m	0.112	ppbv	
79) Naphthalene	22.201	128	11944m	0.057	ppbv	
81) 1,2,4-Trichlorobenzene	21.937	180	9611m	0.072	ppbv	

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

