

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL060822\
 Data File : VL039244.D
 Acq On : 8 Jun 2022 21:04
 Operator : SY/AP
 Sample : N3214-14 0.1 LOQ
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

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

Quant Time: Jun 09 06:43:10 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 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	1018399	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	7.185	114	2269540	10.000	ppbv	0.00
55) Chlorobenzene-d5	12.095	117	1914838	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.420	95	1721502	10.875	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	= 108.700%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	3.060	85	32700	0.183	ppbv	91
3) Chlorodifluoromethane	2.999	51	18118	0.140	ppbv	92
4) Chloromethane	3.150	50	9227m	0.139	ppbv	
5) Vinyl Chloride	3.269	62	8151m	0.131	ppbv	
6) Bromomethane	3.478	94	3796m	0.124	ppbv	
7) Chloroethane	3.568	64	3822m	0.176	ppbv	
8) Dichlorotetrafluoroethane	3.202	85	23446	0.143	ppbv	94
9) Propene	3.025	41	9900m	0.175	ppbv	
10) Heptane	8.137	43	9956m	0.076	ppbv	
11) Trichlorofluoromethane	3.957	101	29124m	0.180	ppbv	
12) 1,1,2-Trichlorotrifluo...	4.494	101	20380m	0.190	ppbv	
13) Ethanol	3.629	45	479m	0.155	ppbv	
14) Bromoethene	3.745	108	6986m	0.145	ppbv	
15) Acetone	3.880	43	25540m	0.241	ppbv	
16) 1,3-Butadiene	3.343	39	8305m	0.146	ppbv	
17) tert-Butyl alcohol	4.324	59	12890m	0.157	ppbv	
18) 1,1-Dichloroethene	4.301	96	9582m	0.199	ppbv	
19) Isopropyl Alcohol	3.996	45	7692m	0.155	ppbv	
20) Methylene Chloride	4.362	84	13934m	0.312	ppbv	
21) Allyl Chloride	4.423	41	11554	0.161	ppbv #	82
22) trans-1,2-Dichloroethene	4.896	96	7728m	0.167	ppbv	
23) Vinyl Acetate	5.099	43	11442m	0.130	ppbv	
24) 1,1-Dichloroethane	5.021	63	17391m	0.145	ppbv	
25) Ethyl Acetate	5.693	43	24839m	0.104	ppbv	
26) Hexane	5.700	57	11258m	0.107	ppbv	
27) Carbon Disulfide	4.571	76	15524m	0.143	ppbv	
28) Methyl tert-Butyl Ether	5.066	73	14958m	0.129	ppbv	
29) Chloroform	5.761	83	24512m	0.139	ppbv	
30) Cyclohexane	7.182	84	16677m	0.189	ppbv	
31) cis-1,2-Dichloroethene	5.562	61	11858m	0.111	ppbv	
32) 1,1,1-Trichloroethane	6.526	97	20686m	0.120	ppbv	
34) 2-Butanone	5.266	43	15867m	0.129	ppbv	
35) Carbon Tetrachloride	7.034	117	21799m	0.132	ppbv	
36) Benzene	6.902	78	18871m	0.102	ppbv	
37) 1,2-Dichloroethane	6.317	62	18304m	0.151	ppbv	
38) Trichloroethene	7.848	130	9415m	0.111	ppbv	
39) 1,2-Dichloropropane	7.623	63	9201m	0.126	ppbv	
40) 1,4-Dioxane	7.886	88	2496m	0.103	ppbv	
41) Tetrahydrofuran	6.079	42	7469m	0.101	ppbv	
42) Bromodichloromethane	7.803	83	19252m	0.114	ppbv	
43) Methyl Methacrylate	8.037	69	6971m	0.097	ppbv	
44) 2,2,4-Trimethylpentane	7.883	57	32300m	0.100	ppbv	
45) t-1,3-Dichloropropene	9.288	75	5558m	0.074	ppbv	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.703	75	9285m	0.094	ppbv	
47) 1,1,2-Trichloroethane	9.484	97	8830m	0.115	ppbv	
48) Dibromochloromethane	10.317	129	11567m	0.085	ppbv	
49) Bromoform	13.050	173	8442m	0.074	ppbv	
50) 4-Methyl-2-Pentanone	8.787	43	16811m	0.091	ppbv	
51) 2-Hexanone	10.198	43	10798m	0.075	ppbv	
52) Tetrachloroethene	11.237	164	6765m	0.094	ppbv	
53) Toluene	9.809	91	19493m	0.092	ppbv	
54) 1,2-Dibromoethane	10.632	107	10935m	0.106	ppbv	
56) 1,1,1,2-Tetrachloroethane	12.140	131	10843m	0.120	ppbv	
57) Chlorobenzene	12.150	112	16188m	0.112	ppbv	
58) Ethyl Benzene	12.716	91	25937m	0.098	ppbv	
59) m/p-Xylene	12.999	91	46207m	0.199	ppbv	
60) o-Xylene	13.700	91	20222m	0.093	ppbv	
61) Styrene	13.529	104	10575m	0.090	ppbv	
62) Isopropylbenzene	14.677	105	34134m	0.105	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.693	83	13826m	0.113	ppbv	
64) n-propylbenzene	15.574	120	7139m	0.090	ppbv	
65) tert-Butylbenzene	16.754	119	26901m	0.091	ppbv	
66) Benzyl Chloride	17.015	91	2774m	0.072	ppbv	
67) sec-Butylbenzene	17.304	105	36503m	0.090	ppbv	
69) p-Isopropyltoluene	17.661	119	27087m	0.079	ppbv	
70) n-Butylbenzene	18.568	91	29053m	0.083	ppbv	
71) 2-Chlorotoluene	15.458	91	26711m	0.108	ppbv	
72) 4-Ethyltoluene	15.847	105	23698m	0.093	ppbv	
73) 1,3,5-Trimethylbenzene	16.008	105	20185m	0.087	ppbv	
74) 1,2,4-Trimethylbenzene	16.764	105	20785m	0.081	ppbv	
75) 1,3-Dichlorobenzene	17.005	146	15548m	0.107	ppbv	
76) 1,4-Dichlorobenzene	17.143	146	13153m	0.090	ppbv	
77) 1,2-Dichlorobenzene	17.825	146	15228m	0.104	ppbv	
78) Hexachloro-1,3-Butadiene	23.374	225	17126m	0.128	ppbv	
79) Naphthalene	22.207	128	12800m	0.065	ppbv	
81) 1,2,4-Trichlorobenzene	21.931	180	8913m	0.071	ppbv	

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

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