

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031422\
 Data File : VL038606.D
 Acq On : 14 Mar 2022 22:54
 Operator : SY/AP
 Sample : N1645-14 0.5 LOQ
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT1-2022

Quant Time: Mar 15 01:47:19 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL030822AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Mar 15 01:47:19 2022
 QLast Update : Tue Mar 08 21:18:44 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 03/19/2022
 Supervised By : Mahesh Dadoda 03/18/2022

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

Internal Standards						
1) Bromochloromethane	5.642	49	814553	10.000	ppbv	-0.02
33) 1,4-Difluorobenzene	7.147	114	2036721	10.000	ppbv	-0.02
55) Chlorobenzene-d5	12.050	117	1835699	10.000	ppbv	#-0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.381	95	1380439	9.891	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.900%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	3.037	85	66109	0.537	ppbv	100
3) Chlorodifluoromethane	2.980	51	81687	0.569	ppbv	100
4) Chloromethane	3.127	50	31527	0.592	ppbv	96
5) Vinyl Chloride	3.246	62	28462	0.533	ppbv	94
6) Bromomethane	3.462	94	17052	0.594	ppbv	96
7) Chloroethane	3.545	64	9472	0.547	ppbv #	77
8) Dichlorotetrafluoroethane	3.179	85	76241	0.639	ppbv	97
9) Propene	2.999	41	25406	0.501	ppbv	95
10) Heptane	8.095	43	54041	0.446	ppbv	92
11) Trichlorofluoromethane	3.931	101	63880	0.592	ppbv	97
12) 1,1,2-Trichlorotrifluo...	4.465	101	46835	0.558	ppbv	93
13) Ethanol	3.607	45	5211m	0.895	ppbv	
14) Bromoethene	3.726	108	18206	0.509	ppbv #	85
15) Acetone	3.854	43	37170m	0.647	ppbv	
16) 1,3-Butadiene	3.317	39	23620	0.512	ppbv	94
17) tert-Butyl alcohol	4.295	59	35228m	0.564	ppbv	
18) 1,1-Dichloroethene	4.272	96	20132	0.536	ppbv	98
19) Isopropyl Alcohol	3.967	45	20619m	0.537	ppbv	
20) Methylene Chloride	4.327	84	19647	0.568	ppbv #	84
21) Allyl Chloride	4.394	41	27015	0.488	ppbv	91
22) trans-1,2-Dichloroethene	4.867	96	20700	0.526	ppbv	93
23) Vinyl Acetate	5.057	43	42316	0.514	ppbv #	96
24) 1,1-Dichloroethane	4.989	63	43580	0.582	ppbv	99
25) Ethyl Acetate	5.664	43	95535	0.494	ppbv	97
26) Hexane	5.664	57	47403m	0.522	ppbv	
27) Carbon Disulfide	4.533	76	46130	0.510	ppbv #	92
28) Methyl tert-Butyl Ether	5.024	73	37882	0.512	ppbv	92
29) Chloroform	5.725	83	79835	0.565	ppbv	96
30) Cyclohexane	7.105	84	28517	0.363	ppbv #	85
31) cis-1,2-Dichloroethene	5.526	61	42430	0.488	ppbv	98
32) 1,1,1-Trichloroethane	6.481	97	73250	0.534	ppbv	97
34) 2-Butanone	5.237	43	29491	0.559	ppbv	92
35) Carbon Tetrachloride	6.989	117	77197	0.556	ppbv	99
36) Benzene	6.864	78	91151	0.496	ppbv	97
37) 1,2-Dichloroethane	6.275	62	48510	0.552	ppbv	100
38) Trichloroethene	7.806	130	35596	0.485	ppbv	86
39) 1,2-Dichloropropane	7.584	63	38175	0.540	ppbv	92
40) 1,4-Dioxane	7.851	88	11588m	0.655	ppbv	
41) Tetrahydrofuran	6.053	42	15844	0.367	ppbv	96
42) Bromodichloromethane	7.761	83	78970	0.567	ppbv	87
43) Methyl Methacrylate	7.995	69	24973	0.396	ppbv	93
44) 2,2,4-Trimethylpentane	7.841	57	158143	0.509	ppbv	94
45) t-1,3-Dichloropropene	9.249	75	17752m	0.390	ppbv	

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL030822AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Mar 08 21:18:44 2022

QLast Update : Tue Mar 08 21:18:44 2022

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.674	75	20394	0.328	ppbv	95
47) 1,1,2-Trichloroethane	9.439	97	39656	0.550	ppbv	96
48) Dibromochloromethane	10.272	129	60043	0.525	ppbv	99
49) Bromoform	13.008	173	47723m	0.545	ppbv	
50) 4-Methyl-2-Pentanone	8.735	43	45926m	0.424	ppbv	
51) 2-Hexanone	10.134	43	16775m	0.367	ppbv	
52) Tetrachloroethene	11.191	164	32817m	0.487	ppbv	
53) Toluene	9.770	91	81565	0.416	ppbv	100
54) 1,2-Dibromoethane	10.577	107	49339	0.479	ppbv	93
56) 1,1,1,2-Tetrachloroethane	12.089	131	45491	0.608	ppbv #	1
57) Chlorobenzene	12.108	112	85327	0.609	ppbv #	86
58) Ethyl Benzene	12.680	91	102661	0.432	ppbv	95
59) m/p-Xylene	12.966	91	204495m	1.005	ppbv	
60) o-Xylene	13.658	91	94622	0.492	ppbv	98
61) Styrene	13.497	104	32688	0.345	ppbv	94
62) Isopropylbenzene	14.638	105	137511m	0.519	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.645	83	87766	0.541	ppbv	95
64) n-propylbenzene	15.532	120	32302	0.478	ppbv	80
65) tert-Butylbenzene	16.715	119	121280	0.512	ppbv	95
66) Benzyl Chloride	16.966	91	7487m	0.533	ppbv	
67) sec-Butylbenzene	17.262	105	175149	0.520	ppbv	99
69) p-Isopropyltoluene	17.622	119	128258	0.459	ppbv	97
70) n-Butylbenzene	18.522	91	135945	0.457	ppbv	97
71) 2-Chlorotoluene	15.420	91	94352	0.479	ppbv	98
72) 4-Ethyltoluene	15.809	105	98653	0.447	ppbv #	96
73) 1,3,5-Trimethylbenzene	15.963	105	89556	0.437	ppbv	99
74) 1,2,4-Trimethylbenzene	16.731	105	113194	0.517	ppbv	95
75) 1,3-Dichlorobenzene	16.963	146	74447m	0.539	ppbv	
76) 1,4-Dichlorobenzene	17.104	146	67855	0.496	ppbv	96
77) 1,2-Dichlorobenzene	17.786	146	71369	0.511	ppbv	91
78) Hexachloro-1,3-Butadiene	23.345	225	83961	0.616	ppbv	99
79) Naphthalene	22.162	128	68409m	0.347	ppbv	
80) Naphthalene,2-methyl-	24.963	142	7952m	0.229	ppbv	
81) 1,2,4-Trichlorobenzene	21.889	180	53532m	0.425	ppbv	

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

