

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031422\
 Data File : VL038602.D
 Acq On : 14 Mar 2022 18:52
 Operator : SY/AP
 Sample : N1645-13 0.4 LOD
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT1-2022

Quant Time: Mar 15 01:41:59 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 01:41:59 2022
 QLast Update : Tue Mar 08 21:18:44 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 03/15/2022
 Supervised By : Mahesh Dadoda 03/18/2022

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

Internal Standards						
1) Bromochloromethane	5.645	49	797349	10.000	ppbv	-0.01
33) 1,4-Difluorobenzene	7.150	114	2000599	10.000	ppbv	-0.01
55) Chlorobenzene-d5	12.053	117	1779622	10.000	ppbv	#-0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.381	95	1349393	9.973	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.700%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	3.038	85	58939	0.489	ppbv	97
3) Chlorodifluoromethane	2.980	51	62891	0.447	ppbv	97
4) Chloromethane	3.128	50	24628	0.473	ppbv	99
5) Vinyl Chloride	3.247	62	21556	0.412	ppbv	99
6) Bromomethane	3.462	94	11955	0.426	ppbv	93
7) Chloroethane	3.546	64	7504	0.443	ppbv #	87
8) Dichlorotetrafluoroethane	3.176	85	58104	0.498	ppbv	99
9) Propene	3.002	41	21916	0.442	ppbv	97
10) Heptane	8.099	43	41490m	0.350	ppbv	
11) Trichlorofluoromethane	3.935	101	48803	0.462	ppbv	98
12) 1,1,2-Trichlorotrifluoro...	4.465	101	38788	0.472	ppbv	99
13) Ethanol	3.597	45	3355m	0.589	ppbv	
14) Bromoethene	3.726	108	14563	0.416	ppbv #	89
15) Acetone	3.854	43	24293	0.432	ppbv #	86
16) 1,3-Butadiene	3.314	39	18786	0.416	ppbv	96
17) tert-Butyl alcohol	4.295	59	26695m	0.437	ppbv	
18) 1,1-Dichloroethene	4.276	96	15679	0.427	ppbv #	89
19) Isopropyl Alcohol	3.970	45	17524m	0.467	ppbv	
20) Methylene Chloride	4.327	84	16468	0.487	ppbv #	84
21) Allyl Chloride	4.395	41	21467	0.396	ppbv #	86
22) trans-1,2-Dichloroethene	4.864	96	15512	0.403	ppbv #	81
23) Vinyl Acetate	5.063	43	32122m	0.398	ppbv	
24) 1,1-Dichloroethane	4.986	63	33304	0.454	ppbv	96
25) Ethyl Acetate	5.668	43	73543	0.388	ppbv	98
26) Hexane	5.665	57	32640	0.367	ppbv #	77
27) Carbon Disulfide	4.533	76	32814	0.370	ppbv #	87
28) Methyl tert-Butyl Ether	5.025	73	29731m	0.411	ppbv	
29) Chloroform	5.726	83	61989	0.448	ppbv	96
30) Cyclohexane	7.108	84	32591m	0.424	ppbv	
31) cis-1,2-Dichloroethene	5.523	61	30968	0.364	ppbv	95
32) 1,1,1-Trichloroethane	6.484	97	56243	0.419	ppbv	96
34) 2-Butanone	5.243	43	20910	0.403	ppbv	96
35) Carbon Tetrachloride	6.989	117	59304	0.435	ppbv	97
36) Benzene	6.864	78	67886	0.376	ppbv	99
37) 1,2-Dichloroethane	6.285	62	35371	0.410	ppbv	99
38) Trichloroethene	7.809	130	28047	0.389	ppbv	88
39) 1,2-Dichloropropane	7.587	63	29788	0.429	ppbv #	88
40) 1,4-Dioxane	7.845	88	8066m	0.464	ppbv	
41) Tetrahydrofuran	6.060	42	12861m	0.303	ppbv	
42) Bromodichloromethane	7.764	83	58526	0.428	ppbv #	92
43) Methyl Methacrylate	8.002	69	19370m	0.313	ppbv	
44) 2,2,4-Trimethylpentane	7.841	57	119138	0.390	ppbv #	93
45) t-1,3-Dichloropropene	9.246	75	12192m	0.273	ppbv	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.674	75	18308	0.300	ppbv	94
47) 1,1,2-Trichloroethane	9.446	97	30983	0.438	ppbv	92
48) Dibromochloromethane	10.269	129	44203m	0.393	ppbv	
49) Bromoform	13.005	173	32635	0.379	ppbv	97
50) 4-Methyl-2-Pentanone	8.738	43	31441	0.296	ppbv	94
51) 2-Hexanone	10.134	43	13626m	0.303	ppbv	
52) Tetrachloroethene	11.195	164	24718	0.374	ppbv	90
53) Toluene	9.774	91	58878	0.306	ppbv	97
54) 1,2-Dibromoethane	10.578	107	38818m	0.384	ppbv	
56) 1,1,1,2-Tetrachloroethane	12.089	131	36980	0.510	ppbv #	1
57) Chlorobenzene	12.115	112	65027	0.479	ppbv #	84
58) Ethyl Benzene	12.680	91	76690	0.333	ppbv	97
59) m/p-Xylene	12.963	91	150122m	0.761	ppbv	
60) o-Xylene	13.658	91	66913	0.359	ppbv	98
61) Styrene	13.494	104	23683	0.258	ppbv	95
62) Isopropylbenzene	14.635	105	103101	0.401	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.645	83	67611	0.430	ppbv	96
64) n-propylbenzene	15.532	120	24085m	0.368	ppbv	
65) tert-Butylbenzene	16.716	119	85619	0.373	ppbv	90
66) Benzyl Chloride	16.960	91	6035m	0.443	ppbv	
67) sec-Butylbenzene	17.262	105	123754	0.379	ppbv	99
69) p-Isopropyltoluene	17.619	119	95080m	0.351	ppbv	
70) n-Butylbenzene	18.526	91	100221m	0.348	ppbv	
71) 2-Chlorotoluene	15.423	91	70129	0.367	ppbv	100
72) 4-Ethyltoluene	15.809	105	73029	0.341	ppbv #	95
73) 1,3,5-Trimethylbenzene	15.963	105	65648	0.331	ppbv	96
74) 1,2,4-Trimethylbenzene	16.728	105	79767	0.376	ppbv #	85
75) 1,3-Dichlorobenzene	16.966	146	56453m	0.422	ppbv	
76) 1,4-Dichlorobenzene	17.108	146	55580m	0.419	ppbv	
77) 1,2-Dichlorobenzene	17.786	146	60783m	0.449	ppbv	
78) Hexachloro-1,3-Butadiene	23.339	225	63786	0.483	ppbv	99
79) Naphthalene	22.159	128	46860m	0.245	ppbv	
80) Naphthalene,2-methyl-	24.966	142	4707m	0.140	ppbv	
81) 1,2,4-Trichlorobenzene	21.902	180	37058m	0.304	ppbv	

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

