

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062422\
 Data File : VN073077.D
 Acq On : 24 Jun 2022 12:11
 Operator : JC\MD
 Sample : VN0624WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0624WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/25/2022
 Supervised By : Mahesh Dadoda 06/28/2022

Quant Time: Jun 24 23:33:20 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N062322W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jun 24 04:54:59 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.587	128	41533	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.898	114	226943	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.680	117	201769	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.369	65	120486	30.093	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	= 100.300%	
60) 4-Bromofluorobenzene	12.669	95	116290	30.125	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	= 100.400%	
63) Toluene-d8	10.375	98	330398	30.239	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	= 100.800%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.052	85	60973	18.608	ug/l	98
3) Chloromethane	2.269	50	59090	18.979	ug/l	99
4) Vinyl Chloride	2.405	62	48888	17.544	ug/l	96
5) Bromomethane	2.810	94	23003	25.069	ug/l	86
6) Chloroethane	2.969	64	29281	17.030	ug/l	94
7) Trichlorofluoromethane	3.316	101	87870	17.371	ug/l	100
8) Diethyl Ether	3.769	74	41289	19.945	ug/l	87
9) 1,1,2-Trichlorotrifluo...	4.146	101	51167	18.310	ug/l	75
10) 1,1-Dichloroethene	4.116	96	50527	17.667	ug/l	93
11) Methyl Iodide	4.352	142	42306	15.507	ug/l	92
12) Methyl Acetate	4.781	43	110043	18.476	ug/l #	89
13) Acrolein	3.981	56	76233	126.989	ug/l	98
14) Acrylonitrile	5.475	53	221666	97.691	ug/l	98
15) Acetone	4.222	58	59892	95.691	ug/l	95
16) Carbon Disulfide	4.463	76	131150	17.390	ug/l	99
17) Allyl chloride	4.763	41	110217	20.303	ug/l	76
18) Methylene Chloride	5.016	84	65755	19.278	ug/l	91
19) trans-1,2-Dichloroethene	5.510	96	55228	18.300	ug/l	95
20) Diisopropyl ether	6.410	45	222927	19.518	ug/l #	90
21) 1,1-Dichloroethane	6.304	63	112162	18.716	ug/l	97
22) cis-1,2-Dichloroethene	7.245	96	68380	19.054	ug/l	98
23) tert-Butyl Alcohol	5.287	59	93461	100.874	ug/l #	100
24) Methyl tert-Butyl Ether	5.528	73	206755	19.380	ug/l	99
25) Chloroform	7.745	83	111513	18.699	ug/l	97
26) Cyclohexane	8.022	56	95089	18.123	ug/l #	90
29) 1,1-Dichloropropene	8.151	75	74970	18.271	ug/l	98
30) 2-Butanone	7.257	43	330198	104.493	ug/l	93
31) 2,2-Dichloropropane	7.245	77	85775	42.708	ug/l	99
32) 1,1,1-Trichloroethane	7.940	97	92310	18.310	ug/l	96
33) Carbon Tetrachloride	8.134	117	79275	18.597	ug/l	96
34) Benzene	8.387	78	250021	19.577	ug/l #	96
35) Methacrylonitrile	7.563	41	62775	22.330	ug/l	92
36) 1,2-Dichloroethane	8.457	62	96117	20.307	ug/l	98
37) Trichloroethene	9.145	130	58814	18.505	ug/l	96
38) Methylcyclohexane	9.392	83	93410	19.222	ug/l	93
39) 1,2-Dichloropropane	9.422	63	66660	20.186	ug/l	96
40) Dibromomethane	9.510	93	45784	20.488	ug/l	96
41) Bromodichloromethane	9.698	83	88375	19.657	ug/l	100
42) Vinyl Acetate	6.351	43	1025187	104.928	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.340	43	135710	22.804	ug/l	98
44) Isopropyl Acetate	8.492	43	188870	20.552	ug/l	97
45) 1,4-Dioxane	9.504	88	34489	421.249	ug/l	91
46) Methyl methacrylate	9.492	41	89400	21.379	ug/l	85
47) n-amyl Acetate	12.327	43	147809	20.070	ug/l	96
48) t-1,3-Dichloropropene	10.657	75	94298	22.425	ug/l	96
49) cis-1,3-Dichloropropene	10.122	75	101581	22.308	ug/l	98
50) 1,1,2-Trichloroethane	10.833	97	66026	20.396	ug/l	98
51) Ethyl methacrylate	10.698	69	108342	19.762	ug/l	88
52) 1,3-Dichloropropane	10.980	76	113853	20.447	ug/l	99
53) Dibromochloromethane	11.175	129	66181	19.662	ug/l	99
54) 1,2-Dibromoethane	11.280	107	67409	19.825	ug/l	98
55) 2-Chloroethyl vinyl ether	9.981	63	244624	104.459	ug/l	100
56) Bromoform	12.392	173	47858	19.411	ug/l #	98
58) 4-Methyl-2-Pentanone	10.269	43	617927	105.294	ug/l	98
59) 2-Hexanone	11.022	43	474867	105.937	ug/l	98
61) Tetrachloroethene	10.910	164	50744	19.452	ug/l	97
62) Toluene	10.439	91	262482	19.570	ug/l	97
64) Chlorobenzene	11.704	112	155377	19.253	ug/l	96
65) 1,1,1,2-Tetrachloroethane	11.775	131	60397	19.701	ug/l	99
66) Ethyl Benzene	11.780	91	284515	19.254	ug/l	99
67) m/p-Xylenes	11.886	106	216767	39.133	ug/l	98
68) o-Xylene	12.216	106	111282	19.894	ug/l	98
69) Styrene	12.227	104	174118	19.446	ug/l	98
70) Isopropylbenzene	12.516	105	276084	19.287	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.763	83	99917	20.217	ug/l	100
72) 1,2,3-Trichloropropane	12.816	75	79008m	20.849	ug/l	
73) Bromobenzene	12.792	156	64661	19.369	ug/l	92
74) n-propylbenzene	12.857	91	306325	18.887	ug/l	99
75) 2-Chlorotoluene	12.945	91	194569	19.182	ug/l	97
76) 1,3,5-Trimethylbenzene	12.992	105	228490	19.205	ug/l	97
77) t-1,4-Dichloro-2-butene	12.563	75	31538	26.386	ug/l	98
78) 4-Chlorotoluene	13.039	91	187227	19.187	ug/l	95
79) tert-butylbenzene	13.257	119	195676	18.603	ug/l	99
80) 1,2,4-Trimethylbenzene	13.439	105	267672	22.931	ug/l	100
81) sec-Butylbenzene	13.439	105	267672	18.878	ug/l	100
82) p-Isopropyltoluene	13.551	119	219302	19.044	ug/l	99
83) 1,3-Dichlorobenzene	13.551	146	115082	19.584	ug/l	98
84) 1,4-Dichlorobenzene	13.627	146	114155	19.439	ug/l	99
85) n-Butylbenzene	13.880	91	174422	18.614	ug/l	97
86) Hexachloroethane	14.145	117	41680	18.486	ug/l	98
87) 1,2-Dichlorobenzene	13.921	146	122632	19.945	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.533	75	24424	19.396	ug/l	94
89) 1,2,4-Trichlorobenzene	15.192	180	59994	18.571	ug/l	99
90) Hexachlorobutadiene	15.298	225	24898	19.117	ug/l	94
91) Naphthalene	15.427	128	242725	19.255	ug/l	99
92) 1,2,3-Trichlorobenzene	15.621	180	63853	19.427	ug/l	99

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

