

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080123\
 Data File : VN078723.D
 Acq On : 01 Aug 2023 18:12
 Operator : JC\MD
 Sample : VN0801WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0801WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 08/02/2023
 Supervised By : Mahesh Dadoda 08/02/2023

Quant Time: Aug 02 04:27:28 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080123W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Aug 02 04:20:43 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.818	128	103115	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.112	114	563010	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.871	117	506634	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.588	65	229874	29.740	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	99.133%		
60) 4-Bromofluorobenzene	12.853	95	205158	27.021	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	90.067%		
63) Toluene-d8	10.571	98	717265	28.659	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	95.533%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.136	85	113656	17.474	ug/l	96
3) Chloromethane	2.371	50	169902	21.221	ug/l	94
4) Vinyl Chloride	2.524	62	215600	19.815	ug/l	95
5) Bromomethane	2.965	94	144891	17.815	ug/l	94
6) Chloroethane	3.130	64	141559	19.977	ug/l	99
7) Trichlorofluoromethane	3.506	101	321867	28.838	ug/l	98
8) Diethyl Ether	3.971	74	67602	18.553	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.383	101	109434	18.266	ug/l	84
10) 1,1-Dichloroethene	4.347	96	108792	18.937	ug/l	94
11) Methyl Iodide	4.600	142	157501	19.505	ug/l	96
12) Methyl Acetate	5.036	43	173438	18.613	ug/l	97
13) Acrolein	4.195	56	93509	94.238	ug/l	97
14) Acrylonitrile	5.730	53	249859	91.572	ug/l	99
15) Acetone	4.442	58	67991	86.005	ug/l	95
16) Carbon Disulfide	4.724	76	290924	17.928	ug/l	100
17) Allyl chloride	5.036	41	148333	18.911	ug/l	91
18) Methylene Chloride	5.289	84	129818	18.835	ug/l	97
19) trans-1,2-Dichloroethene	5.800	96	118850	17.894	ug/l	89
20) Diisopropyl ether	6.688	45	327355m	18.535	ug/l	
21) 1,1-Dichloroethane	6.577	63	218066	18.647	ug/l	98
22) cis-1,2-Dichloroethene	7.500	96	136417	18.288	ug/l	99
23) tert-Butyl Alcohol	5.536	59	102917	92.305	ug/l #	100
24) Methyl tert-Butyl Ether	5.812	73	354100	18.330	ug/l	96
25) Chloroform	7.977	83	236942	19.137	ug/l	100
26) Cyclohexane	8.265	56	165683	19.233	ug/l #	99
29) 1,1-Dichloropropene	8.382	75	169440	20.453	ug/l	100
30) 2-Butanone	7.494	43	326358	99.656	ug/l	99
31) 2,2-Dichloropropane	7.494	77	183078	19.259	ug/l	98
32) 1,1,1-Trichloroethane	8.177	97	208441	19.887	ug/l	97
33) Carbon Tetrachloride	8.371	117	194595	20.903	ug/l	96
34) Benzene	8.612	78	511170	20.541	ug/l	96
35) Methacrylonitrile	7.788	41	72255	20.092	ug/l	94
36) 1,2-Dichloroethane	8.677	62	174583	19.976	ug/l	99
37) Trichloroethene	9.359	130	137828	19.737	ug/l	97
38) Methylcyclohexane	9.612	83	161347	18.956	ug/l	96
39) 1,2-Dichloropropane	9.629	63	129500	19.412	ug/l	96
40) Dibromomethane	9.718	93	93448	20.239	ug/l	95
41) Bromodichloromethane	9.894	83	186110	20.162	ug/l	95
42) Vinyl Acetate	6.618	43	1047629	99.503	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.571	43	143914	21.257	ug/l	97
44) Isopropyl Acetate	8.700	43	240192	20.221	ug/l	100
45) 1,4-Dioxane	9.700	88	43906	401.823	ug/l	94
46) Methyl methacrylate	9.688	41	111341	20.468	ug/l	96
47) n-amyl Acetate	12.500	43	182535	19.953	ug/l	97
48) t-1,3-Dichloropropene	10.841	75	186436	18.923	ug/l	94
49) cis-1,3-Dichloropropene	10.318	75	212789	20.335	ug/l	92
50) 1,1,2-Trichloroethane	11.024	97	127399	19.492	ug/l	97
51) Ethyl methacrylate	10.882	69	173069	19.341	ug/l	87
52) 1,3-Dichloropropane	11.171	76	209744	17.855	ug/l	98
53) Dibromochloromethane	11.365	129	143097	19.380	ug/l	99
54) 1,2-Dibromoethane	11.476	107	130462	19.878	ug/l	99
55) 2-Chloroethyl vinyl ether	10.165	63	304677	106.852	ug/l	97
56) Bromoform	12.582	173	96864	20.050	ug/l	98
58) 4-Methyl-2-Pentanone	10.453	43	717378	94.600	ug/l	100
59) 2-Hexanone	11.200	43	495179	86.242	ug/l	98
61) Tetrachloroethene	11.112	164	116241	17.448	ug/l	96
62) Toluene	10.635	91	570777	18.730	ug/l	100
64) Chlorobenzene	11.900	112	351064	19.731	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.965	131	141416	20.154	ug/l	97
66) Ethyl Benzene	11.970	91	600798	19.561	ug/l	99
67) m/p-Xylenes	12.076	106	456309	38.894	ug/l	100
68) o-Xylene	12.406	106	221470	18.552	ug/l	97
69) Styrene	12.418	104	344866	17.955	ug/l	99
70) Isopropylbenzene	12.700	105	547450	18.538	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.941	83	174211	18.160	ug/l	99
72) 1,2,3-Trichloropropane	12.994	75	138101m	17.161	ug/l	
73) Bromobenzene	12.988	156	130268	17.997	ug/l	96
74) n-propylbenzene	13.041	91	578459	17.673	ug/l	99
75) 2-Chlorotoluene	13.129	91	372065	16.460	ug/l	99
76) 1,3,5-Trimethylbenzene	13.176	105	438341	16.625	ug/l	100
77) t-1,4-Dichloro-2-butene	12.741	75	48274	17.164	ug/l	82
78) 4-Chlorotoluene	13.229	91	345387	15.825	ug/l	100
79) tert-butylbenzene	13.441	119	386008	17.009	ug/l	99
80) 1,2,4-Trimethylbenzene	13.488	105	421176	16.725	ug/l	100
81) sec-Butylbenzene	13.623	105	466318	16.031	ug/l	98
82) p-Isopropyltoluene	13.735	119	383303	16.051	ug/l	99
83) 1,3-Dichlorobenzene	13.735	146	204040	15.896	ug/l	99
84) 1,4-Dichlorobenzene	13.817	146	196909	16.386	ug/l	99
85) n-Butylbenzene	14.059	91	262708	15.864	ug/l	99
86) Hexachloroethane	14.341	117	80546	18.512	ug/l	93
87) 1,2-Dichlorobenzene	14.112	146	206269	17.170	ug/l	95
88) 1,2-Dibromo-3-Chloropr...	14.723	75	27004	16.576	ug/l	94
89) 1,2,4-Trichlorobenzene	15.400	180	58453	17.054	ug/l	98
90) Hexachlorobutadiene	15.511	225	48664	18.637	ug/l	97
91) Naphthalene	15.641	128	175066	16.860	ug/l	100
92) 1,2,3-Trichlorobenzene	15.847	180	74699	19.150	ug/l	98

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

