

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071521\
 Data File : VN067759.D
 Acq On : 15 Jul 2021 12:19
 Operator : JC/MD
 Sample : VN0715WBSD01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0715WBSD01

Manual Integrations
 APPROVED

Quant Time: Jul 15 16:13:15 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N071421W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jul 14 01:19:19 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.657	128	66452	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.968	114	394583	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.746	117	374253	30.000	ug/l	0.00

System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.440	65	175493	32.689	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	108.967%
60) 4-Bromofluorobenzene	12.733	95	177182	29.151	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	97.167%
63) Toluene-d8	10.443	98	519663	30.189	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	100.633%

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Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.073	85	67164	19.777	ug/l	95
3) Chloromethane	2.303	50	82882	19.540	ug/l	97
4) Vinyl Chloride	2.443	62	132434	20.070	ug/l	98
5) Bromomethane	2.861	94	109700	19.966	ug/l	95
6) Chloroethane	3.019	64	102305	20.819	ug/l	97
7) Trichlorofluoromethane	3.373	101	256655	20.961	ug/l	98
8) Diethyl Ether	3.821	74	44350	19.472	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.199	101	71112	20.432	ug/l	99
10) 1,1-Dichloroethene	4.173	96	63213	19.610	ug/l	93
11) Methyl Iodide	4.419	142	77685	18.229	ug/l	99
12) Methyl Acetate	4.859	43	85764	19.493	ug/l	98
13) Acrolein	4.041	56	54208	117.623	ug/l #	44
14) Acrylonitrile	5.559	53	187260	96.792	ug/l	98
15) Acetone	4.293	58	51243m	106.849	ug/l	
16) Carbon Disulfide	4.527	76	156439	18.378	ug/l	96
17) Allyl chloride	4.835	41	109512	19.307	ug/l	96
18) Methylene Chloride	5.093	84	82176	18.421	ug/l	99
19) trans-1,2-Dichloroethene	5.597	96	72749	18.927	ug/l	97
20) Diisopropyl ether	6.498	45	254390	18.941	ug/l	98
21) 1,1-Dichloroethane	6.385	63	143324	19.398	ug/l	99
22) cis-1,2-Dichloroethene	7.327	96	88561	18.672	ug/l	99
23) tert-Butyl Alcohol	5.385	59	66915	93.833	ug/l #	100
24) Methyl tert-Butyl Ether	5.616	73	252255m	18.953	ug/l	
25) Chloroform	7.817	83	159690	19.423	ug/l	97
26) Cyclohexane	8.094	56	121902	18.935	ug/l #	100
29) 1,1-Dichloropropene	8.222	75	116108	18.754	ug/l	98
30) 2-Butanone	7.340	43	264377	92.216	ug/l #	97
31) 2,2-Dichloropropane	7.324	77	124908	18.085	ug/l	99
32) 1,1,1-Trichloroethane	8.016	97	139601	18.362	ug/l	98
33) Carbon Tetrachloride	8.206	117	114537	17.644	ug/l	96
34) Benzene	8.461	78	343092	18.540	ug/l	99
35) Methacrylonitrile	7.638	41	56499	19.171	ug/l	97
36) 1,2-Dichloroethane	8.531	62	131415	19.076	ug/l	99
37) Trichloroethene	9.217	130	86895	18.074	ug/l	98
38) Methylcyclohexane	9.461	83	123126	17.956	ug/l	98
39) 1,2-Dichloropropane	9.491	63	86630	18.357	ug/l	94
40) Dibromomethane	9.579	93	63022	18.571	ug/l	98
41) Bromodichloromethane	9.765	83	122527	18.393	ug/l	99
42) Vinyl Acetate	6.436	43	1054135m	92.423	ug/l	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.415	43	107791	18.597	ug/l #	84
44) Isopropyl Acetate	8.563	43	189258	17.983	ug/l	100
45) 1,4-Dioxane	9.571	88	28804	361.430	ug/l	100
46) Methyl methacrylate	9.563	41	81025	17.835	ug/l	96
47) n-amyl Acetate	12.390	43	143897	16.657	ug/l	99
48) t-1,3-Dichloropropene	10.722	75	121603	16.939	ug/l	95
49) cis-1,3-Dichloropropene	10.191	75	132829	17.431	ug/l	99
50) 1,1,2-Trichloroethane	10.899	97	89528	18.487	ug/l	97
51) Ethyl methacrylate	10.762	69	131105	17.409	ug/l	99
52) 1,3-Dichloropropane	11.047	76	145770	18.204	ug/l	99
53) Dibromochloromethane	11.240	129	86621	17.087	ug/l	98
54) 1,2-Dibromoethane	11.347	107	88346	17.685	ug/l	96
55) 2-Chloroethyl vinyl ether	10.043	63	113825	78.146	ug/l	99
56) Bromoform	12.460	173	55148	15.527	ug/l #	99
58) 4-Methyl-2-Pentanone	10.333	43	596644	92.844	ug/l	99
59) 2-Hexanone	11.087	43	414119	91.909	ug/l	98
61) Tetrachloroethene	10.979	164	87325	18.995	ug/l	96
62) Toluene	10.505	91	401575	18.243	ug/l	99
64) Chlorobenzene	11.773	112	237675	18.028	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.843	131	85940	17.693	ug/l	99
66) Ethyl Benzene	11.848	91	440986	18.104	ug/l	100
67) m/p-Xylenes	11.956	106	339466	36.537	ug/l	98
68) o-Xylene	12.283	106	163961	17.877	ug/l	99
69) Styrene	12.296	104	266899	17.598	ug/l	99
70) Isopropylbenzene	12.581	105	428323	18.097	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.830	83	124746	18.564	ug/l	100
72) 1,2,3-Trichloropropane	12.884	75	108773m	19.470	ug/l	
73) Bromobenzene	12.862	156	92937	17.084	ug/l	99
74) n-propylbenzene	12.924	91	495629	18.275	ug/l	100
75) 2-Chlorotoluene	13.010	91	301041	18.494	ug/l	100
76) 1,3,5-Trimethylbenzene	13.061	105	359644	18.457	ug/l	99
77) t-1,4-Dichloro-2-butene	12.629	75	29367	15.576	ug/l	99
78) 4-Chlorotoluene	13.106	91	295795	18.226	ug/l	99
79) tert-butylbenzene	13.326	119	296315	17.710	ug/l	98
80) 1,2,4-Trimethylbenzene	13.369	105	352894m	18.237	ug/l	
81) sec-Butylbenzene	13.506	105	421264	18.151	ug/l	99
82) p-Isopropyltoluene	13.619	119	339920	17.597	ug/l	100
83) 1,3-Dichlorobenzene	13.619	146	176023	17.326	ug/l	99
84) 1,4-Dichlorobenzene	13.696	146	168675	17.045	ug/l	99
85) n-Butylbenzene	13.946	91	278033	17.348	ug/l	99
86) Hexachloroethane	14.214	117	53857	16.759	ug/l	99
87) 1,2-Dichlorobenzene	13.991	146	168530	17.376	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.603	75	21314	17.728	ug/l	96
89) 1,2,4-Trichlorobenzene	15.268	180	69803	15.784	ug/l	98
90) Hexachlorobutadiene	15.373	225	37502	17.643	ug/l	96
91) Naphthalene	15.509	128	187111	14.893	ug/l	100
92) 1,2,3-Trichlorobenzene	15.702	180	66388	15.669	ug/l	98

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

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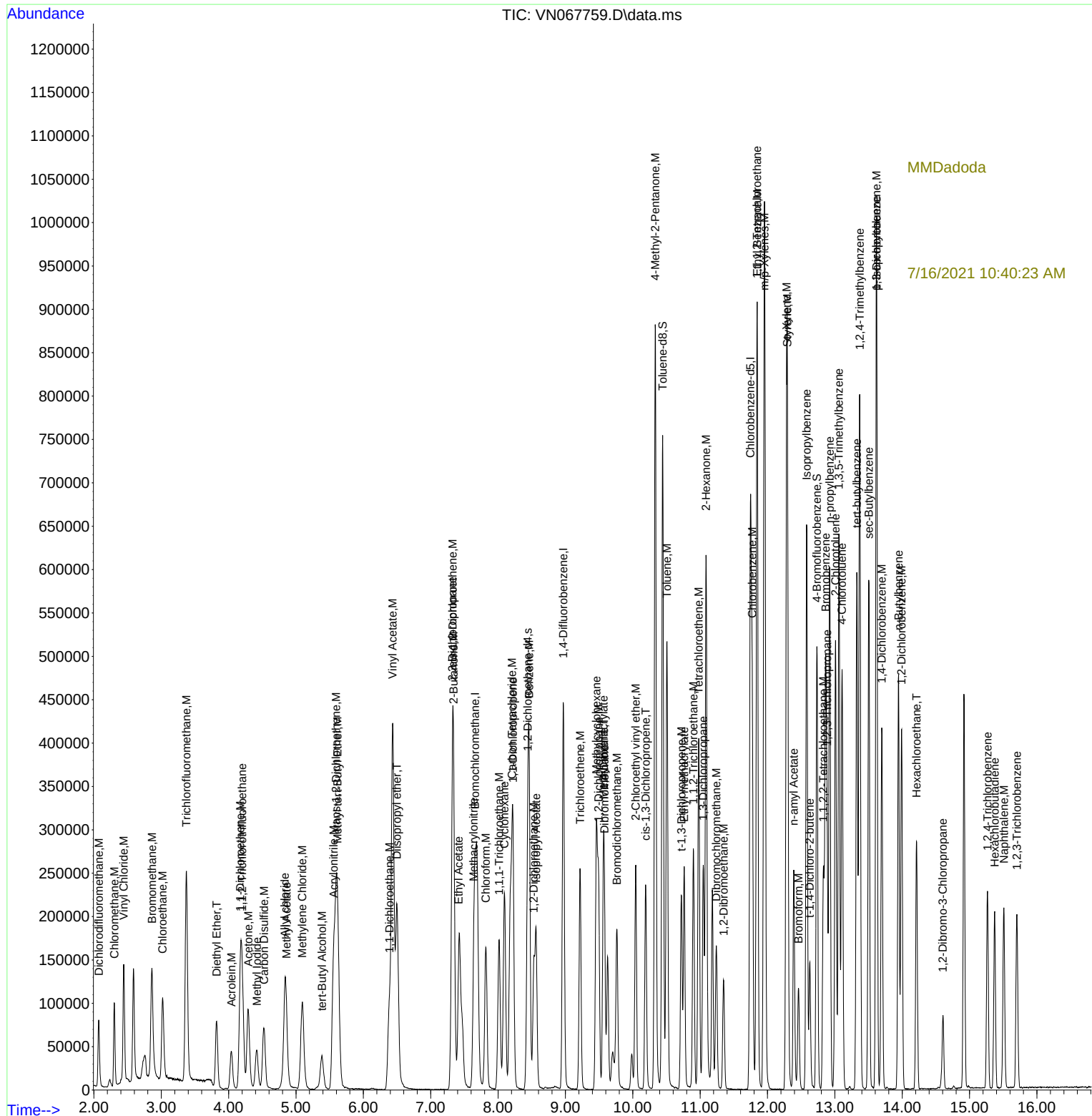
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