

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032421\
 Data File : VN066313.D
 Acq On : 24 Mar 2021 15:40
 Operator : JC/MD
 Sample : VSTDIC100
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Manual Integrations
 APPROVED

MMDadoda
 3/30/2021 10:41:17 AM

Quant Time: Mar 25 04:39:59 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N032421W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Mar 25 04:35:34 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.110	128	90198	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.518	114	480329	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.350	117	422367	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	7.949	65	202324	26.36	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	87.87%#		
60) 4-Bromofluorobenzene	12.345	95	201970	28.02	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	93.40%		
63) Toluene-d8	10.028	98	603737	31.66	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	105.53%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.818	85	443421	95.87	ug/l	97
3) Chloromethane	2.014	50	553031	90.88	ug/l	100
4) Vinyl Chloride	2.145	62	595072	92.95	ug/l	99
5) Bromomethane	2.505	94	422215	95.24	ug/l	96
6) Chloroethane	2.647	64	385345	100.79	ug/l	98
7) Trichlorofluoromethane	2.958	101	878661	91.69	ug/l	100
8) Diethyl Ether	3.342	74	298000	91.00	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.685	101	424186	102.01	ug/l	99
10) 1,1-Dichloroethene	3.661	96	425816	93.28	ug/l	93
11) Methyl Iodide	3.873	142	644475	90.85	ug/l	98
12) Methyl Acetate	4.235	43	705107	130.08	ug/l	99
13) Acrolein	3.529	56	176741	229.49	ug/l	97
14) Acrylonitrile	4.878	53	1406057	559.93	ug/l	99
15) Acetone	3.736	58	362189	506.89	ug/l	98
16) Carbon Disulfide	3.972	76	1161784	87.10	ug/l	100
17) Allyl chloride	4.235	41	830715	98.68	ug/l	97
18) Methylene Chloride	4.457	84	492844	87.26	ug/l	97
19) trans-1,2-Dichloroethene	4.937	96	474960	91.66	ug/l	99
20) Diisopropyl ether	5.852	45	1772367	107.09	ug/l	99
21) 1,1-Dichloroethane	5.750	63	926164	91.70	ug/l	99
22) cis-1,2-Dichloroethene	6.734	96	570754	90.29	ug/l	99
23) tert-Butyl Alcohol	4.693	59	543610	492.94	ug/l #	100
24) Methyl tert-Butyl Ether	4.940	73	1666232	90.51	ug/l	100
25) Chloroform	7.287	83	942646	87.26	ug/l	95
26) Cyclohexane	7.574	56	822361	103.25	ug/l #	98
29) 1,1-Dichloropropene	7.713	75	691692	96.65	ug/l	98
30) 2-Butanone	6.737	43	2017186	642.17	ug/l	100
31) 2,2-Dichloropropane	6.729	77	832713	89.91	ug/l	100
32) 1,1,1-Trichloroethane	7.488	97	828195	90.64	ug/l	99
33) Carbon Tetrachloride	7.694	117	709284	90.63	ug/l	95
34) Benzene	7.965	78	2098776	96.43	ug/l #	92
35) Methacrylonitrile	7.080	41	380410	114.69	ug/l	97
36) 1,2-Dichloroethane	8.048	62	768369	88.03	ug/l	100
37) Trichloroethene	8.767	130	545310	93.05	ug/l	100
38) Methylcyclohexane	9.014	83	846796	106.89	ug/l	99
39) 1,2-Dichloropropane	9.052	63	559909	99.76	ug/l	100
40) Dibromomethane	9.143	93	365831	96.80	ug/l	98
41) Bromodichloromethane	9.338	83	770614	91.48	ug/l	98
42) Vinyl Acetate	5.793	43	7702956	570.20	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	6.834	43	838326	122.48	ug/l #	100
44) Isopropyl Acetate	8.089	43	1415946	119.96	ug/l #	100
45) 1,4-Dioxane	9.140	88	168918	1771.41	ug/l	98
46) Methyl methacrylate	9.135	41	669969	121.57	ug/l	97
47) n-amyl Acetate	12.015	43	948775	121.52	ug/l	99
48) t-1,3-Dichloropropene	10.323	75	861254	89.44	ug/l	99
49) cis-1,3-Dichloropropene	9.776	75	916060	91.66	ug/l	99
50) 1,1,2-Trichloroethane	10.502	97	519461	97.02	ug/l	98
51) Ethyl methacrylate	10.371	69	850978	103.77	ug/l	98
52) 1,3-Dichloropropane	10.647	76	872801	94.22	ug/l	100
53) Dibromochloromethane	10.843	129	602038	93.18	ug/l	99
54) 1,2-Dibromoethane	10.945	107	540334	96.09	ug/l	100
55) 2-Chloroethyl vinyl ether	9.631	63	618981	247.01	ug/l	99
56) Bromoform	12.071	173	440464	100.98	ug/l #	99
58) 4-Methyl-2-Pentanone	9.920	43	4115328	664.21	ug/l	99
59) 2-Hexanone	10.693	43	2970241	685.37	ug/l	99
61) Tetrachloroethene	10.572	164	543222	98.28	ug/l	98
62) Toluene	10.095	91	2257787	101.04	ug/l	100
64) Chlorobenzene	11.374	112	1325150	92.60	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.452	131	524743	95.27	ug/l	99
66) Ethyl Benzene	11.455	91	2467141	97.21	ug/l	100
67) m/p-Xylenes	11.565	106	1837769	188.19	ug/l	98
68) o-Xylene	11.892	106	886602	92.32	ug/l	99
69) Styrene	11.908	104	1490460	94.58	ug/l	100
70) Isopropylbenzene	12.192	105	2366822	94.07	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.450	83	736955	104.21	ug/l	98
72) 1,2,3-Trichloropropane	12.498	75	718180m	101.78	ug/l	
73) Bromobenzene	12.468	156	577523	94.56	ug/l	96
74) n-propylbenzene	12.535	91	2715131	97.48	ug/l	99
75) 2-Chlorotoluene	12.619	91	1575439	89.41	ug/l	98
76) 1,3,5-Trimethylbenzene	12.678	105	1963911	88.32	ug/l	99
77) t-1,4-Dichloro-2-butene	12.243	75	277158	111.71	ug/l	96
78) 4-Chlorotoluene	12.715	91	1632144	91.25	ug/l	99
79) tert-butylbenzene	12.938	119	1679937	90.53	ug/l	100
80) 1,2,4-Trimethylbenzene	12.983	105	1957479	89.76	ug/l	100
81) sec-Butylbenzene	13.115	105	2251792	96.16	ug/l	99
82) p-Isopropyltoluene	13.233	119	2046643	93.36	ug/l	99
83) 1,3-Dichlorobenzene	13.225	146	1017977	97.26	ug/l	100
84) 1,4-Dichlorobenzene	13.308	146	1011748	99.44	ug/l	99
85) n-Butylbenzene	13.557	91	1755384	100.10	ug/l	98
86) Hexachloroethane	13.815	117	370810	103.67	ug/l	99
87) 1,2-Dichlorobenzene	13.595	146	1002841	97.17	ug/l	100
88) 1,2-Dibromo-3-Chloropr...	14.212	75	178354	107.79	ug/l	99
89) 1,2,4-Trichlorobenzene	14.850	180	682399	116.54	ug/l	98
90) Hexachlorobutadiene	14.949	225	335790	124.82	ug/l	99
91) Naphthalene	15.070	128	2035176	118.03	ug/l	100
92) 1,2,3-Trichlorobenzene	15.247	180	665201	113.06	ug/l	99

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

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3/30/2021 10:41:17 AM

TIC: VN066313.D\data.ms

Abundance

Time-->

Peak labels (from left to right):

- Dichlorodifluoromethane, M
- Chloroethane, M
- Vinyl Chloride, M
- Bromomethane, M
- Trichlorofluoromethane, M
- Diethyl Ether, T
- Acrolein, M
- Methyl Isocyanide, M
- Carbon Disulfide, M
- Methyl Acetate, M
- Methylenedichloride, M
- tert-Butyl Alcohol, M
- Acrylonitrile, M
- Methyl Ethyl Ether, M
- 1,1-Dichloroethane, M
- Vinyl Acetate, M
- Ethyl Acetate, M
- Bromochloromethane, I
- Chloroform, M
- 1,1,1-Trichloroethane, M
- 1,2-Dichloropropane, M
- 1,2-Dichlorobenzene, M
- 1,4-Difluorobenzene, I
- Trichloroethylene, M
- 1,2-Dichloroethane, M
- Hexachlorocyclopentadiene, M
- Bromodichloromethane, M
- 2-Chloroethyl vinyl ether, M
- cis-1,3-Dichloropropene, T
- Toluene-d8, S
- 1,1,3,3-Tetrachloropropane, M
- 1,2-Dibromochloromethane, M
- Chlorobenzene-d5, I
- n-amyl Acetate, M
- Bromoform, M
- 4-Bromo-2-butene, M
- Bromobenzene, M
- 1,2,3-Trimethylbenzene, M
- 1,2,4-Trimethylbenzene, M
- sec-Butylbenzene, M
- 1,2-Dichlorobenzene, M
- 1,2-Dichloroethane, T
- Hexachloroethane, T
- 1,2-Dibromo-3-chloropropane, M
- Hexachlorobutadiene, M
- Naphthalene, M
- 1,2,3-Trichlorobenzene, M