

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090321\
 Data File : VN068415.D
 Acq On : 3 Sep 2021 18:14
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Manual Integrations
 APPROVED

Quant Time: Sep 04 03:13:31 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090321W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Sep 03 13:24:01 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.665	128	98099	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.971	114	510003	30.000	ug/l	# 0.00
57) Chlorobenzene-d5	11.749	117	467042	30.000	ug/l	# 0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.440	65	186449	32.058	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	= 106.867%	
60) 4-Bromofluorobenzene	12.733	95	200007	30.240	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	= 100.800%	
63) Toluene-d8	10.446	98	630999	30.339	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	= 101.133%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.078	85	90261	18.172	ug/l	97
3) Chloromethane	2.309	50	85947	19.124	ug/l	99
4) Vinyl Chloride	2.451	62	136497	20.382	ug/l	95
5) Bromomethane	2.850	94	137663	22.419	ug/l	94
6) Chloroethane	3.022	64	101342	21.213	ug/l	90
7) Trichlorofluoromethane	3.381	101	170899	18.658	ug/l	97
8) Diethyl Ether	3.835	74	53418	18.359	ug/l	76
9) 1,1,2-Trichlorotrifluo...	4.224	101	93013	17.860	ug/l	72
10) 1,1-Dichloroethene	4.191	96	86175	17.611	ug/l	# 78
11) Methyl Iodide	4.435	142	123543	15.694	ug/l	88
12) Methyl Acetate	4.859	43	94237	19.135	ug/l	# 83
13) Acrolein	4.049	56	39346	89.134	ug/l	97
14) Acrylonitrile	5.559	53	186880	93.575	ug/l	99
15) Acetone	4.291	58	46878	79.862	ug/l	80
16) Carbon Disulfide	4.540	76	219405	17.159	ug/l	100
17) Allyl chloride	4.851	41	110388	18.417	ug/l	88
18) Methylene Chloride	5.106	84	99396	18.560	ug/l	# 82
19) trans-1,2-Dichloroethene	5.605	96	96333	17.661	ug/l	# 78
20) Diisopropyl ether	6.503	45	245642	18.752	ug/l	# 92
21) 1,1-Dichloroethane	6.393	63	160812	18.563	ug/l	95
22) cis-1,2-Dichloroethene	7.329	96	113252	17.869	ug/l	# 79
23) tert-Butyl Alcohol	5.371	59	71257	97.210	ug/l	# 100
24) Methyl tert-Butyl Ether	5.624	73	288400	18.141	ug/l	# 88
25) Chloroform	7.823	83	188712	18.547	ug/l	100
26) Cyclohexane	8.099	56	138087	18.197	ug/l	# 81
29) 1,1-Dichloropropene	8.225	75	133450	18.240	ug/l	92
30) 2-Butanone	7.337	43	240831	92.001	ug/l	# 89
31) 2,2-Dichloropropane	7.329	77	138485	16.621	ug/l	92
32) 1,1,1-Trichloroethane	8.019	97	178494	18.575	ug/l	93
33) Carbon Tetrachloride	8.212	117	159257	17.937	ug/l	96
34) Benzene	8.464	78	395779	18.301	ug/l	95
35) Methacrylonitrile	7.638	41	44643	17.457	ug/l	85
36) 1,2-Dichloroethane	8.533	62	139964	19.329	ug/l	# 95
37) Trichloroethene	9.220	130	123244	17.828	ug/l	# 76
38) Methylcyclohexane	9.464	83	164632	17.334	ug/l	86
39) 1,2-Dichloropropane	9.491	63	94091	18.352	ug/l	96
40) Dibromomethane	9.579	93	74697	18.411	ug/l	79
41) Bromodichloromethane	9.765	83	144077	18.381	ug/l	# 98
42) Vinyl Acetate	6.439	43	913421	92.260	ug/l	# 91

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.415	43	108338m	20.813	ug/l	
44) Isopropyl Acetate	8.563	43	177473	18.767	ug/l	92
45) 1,4-Dioxane	9.571	88	31288	370.133	ug/l #	85
46) Methyl methacrylate	9.561	41	77353	19.347	ug/l	83
47) n-amyl Acetate	12.387	43	112646	17.410	ug/l #	89
48) t-1,3-Dichloropropene	10.722	75	134798	17.474	ug/l	98
49) cis-1,3-Dichloropropene	10.194	75	151585	17.816	ug/l #	83
50) 1,1,2-Trichloroethane	10.899	97	105975	18.516	ug/l	95
51) Ethyl methacrylate	10.762	69	132089	17.950	ug/l	83
52) 1,3-Dichloropropane	11.046	76	159236	18.427	ug/l	98
53) Dibromochloromethane	11.240	129	121340	17.591	ug/l	99
54) 1,2-Dibromoethane	11.350	107	107084	17.900	ug/l	98
55) 2-Chloroethyl vinyl ether	10.043	63	46551	93.814	ug/l #	90
56) Bromoform	12.460	173	88220	16.713	ug/l #	96
58) 4-Methyl-2-Pentanone	10.333	43	520402	95.754	ug/l #	90
59) 2-Hexanone	11.087	43	347416	92.113	ug/l	89
61) Tetrachloroethene	10.982	164	125264	17.347	ug/l	90
62) Toluene	10.510	91	471813	18.411	ug/l	99
64) Chlorobenzene	11.773	112	293873	17.787	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.843	131	118339	17.890	ug/l	99
66) Ethyl Benzene	11.848	91	491710	17.826	ug/l	91
67) m/p-Xylenes	11.956	106	404369	35.751	ug/l	78
68) o-Xylene	12.283	106	195612	17.855	ug/l	77
69) Styrene	12.296	104	302545	17.492	ug/l #	91
70) Isopropylbenzene	12.581	105	508019	18.004	ug/l	95
71) 1,1,2,2-Tetrachloroethane	12.830	83	138359	19.173	ug/l	99
72) 1,2,3-Trichloropropane	12.881	75	115869m	19.587	ug/l	
73) Bromobenzene	12.865	156	131029	16.779	ug/l	54
74) n-propylbenzene	12.921	91	542721	17.806	ug/l	90
75) 2-Chlorotoluene	13.010	91	326016	18.024	ug/l #	100
76) 1,3,5-Trimethylbenzene	13.063	105	419551	17.971	ug/l	92
77) t-1,4-Dichloro-2-butene	12.629	75	28224	15.737	ug/l	86
78) 4-Chlorotoluene	13.109	91	313121	17.655	ug/l	85
79) tert-butylbenzene	13.326	119	381049	17.853	ug/l	82
80) 1,2,4-Trimethylbenzene	13.369	105	403463m	17.793	ug/l	
81) sec-Butylbenzene	13.503	105	498929	17.413	ug/l	90
82) p-Isopropyltoluene	13.618	119	417709	16.941	ug/l	89
83) 1,3-Dichlorobenzene	13.618	146	230786	16.736	ug/l	91
84) 1,4-Dichlorobenzene	13.696	146	215713	16.226	ug/l	92
85) n-Butylbenzene	13.946	91	285271	15.517	ug/l	95
86) Hexachloroethane	14.211	117	72525	17.388	ug/l	82
87) 1,2-Dichlorobenzene	13.989	146	217639	16.604	ug/l	91
88) 1,2-Dibromo-3-Chloropr...	14.605	75	22016	17.627	ug/l #	35
89) 1,2,4-Trichlorobenzene	15.265	180	91846	13.045	ug/l	97
90) Hexachlorobutadiene	15.370	225	61694	14.910	ug/l	98
91) Naphthalene	15.507	128	170796	11.476	ug/l	98
92) 1,2,3-Trichlorobenzene	15.702	180	85965	12.837	ug/l	94

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

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