

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102522\
 Data File : VN075007.D
 Acq On : 25 Oct 2022 12:48
 Operator : JC\MD
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC150

Quant Time: Oct 27 09:56:24 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N102522W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Oct 27 09:52:53 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.824	128	21918	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	112900	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.871	117	112206	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.588	65	53293	26.592	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	88.633%#
60) 4-Bromofluorobenzene	12.847	95	69022	31.307	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	104.367%
63) Toluene-d8	10.571	98	182295	29.048	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	96.833%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.136	85	149920	140.508	ug/l	99
3) Chloromethane	2.371	50	157893	112.498	ug/l	97
4) Vinyl Chloride	2.524	62	249426	117.526	ug/l	98
5) Bromomethane	2.912	94	160162	95.453	ug/l	99
6) Chloroethane	3.077	64	189318	115.648	ug/l	99
7) Trichlorofluoromethane	3.477	101	297742	130.784	ug/l	99
8) Diethyl Ether	3.965	74	120337	128.145	ug/l	87
9) 1,1,2-Trichlorotrifluo...	4.371	101	176338	131.714	ug/l	73
10) 1,1-Dichloroethene	4.336	96	168823	134.443	ug/l	96
11) Methyl Iodide	4.589	142	268826	137.224	ug/l	96
12) Methyl Acetate	5.036	43	272190	127.957	ug/l	95
13) Acrolein	4.189	56	170181	653.180	ug/l	98
14) Acrylonitrile	5.736	53	596896	679.184	ug/l	98
15) Acetone	4.442	58	160902	652.751	ug/l	85
16) Carbon Disulfide	4.712	76	382610	138.406	ug/l	99
17) Allyl chloride	5.030	41	228704	135.925	ug/l	89
18) Methylene Chloride	5.283	84	207827	132.105	ug/l	92
19) trans-1,2-Dichloroethene	5.794	96	199269	142.738	ug/l	96
20) Diisopropyl ether	6.683	45	583491	133.610	ug/l #	89
21) 1,1-Dichloroethane	6.577	63	363922	134.169	ug/l	97
22) cis-1,2-Dichloroethene	7.494	96	248648	140.960	ug/l	92
23) tert-Butyl Alcohol	5.553	59	274541	674.830	ug/l #	100
24) Methyl tert-Butyl Ether	5.806	73	716508	139.510	ug/l #	89
25) Chloroform	7.971	83	414396	138.292	ug/l	99
26) Cyclohexane	8.259	56	293955	134.911	ug/l #	87
29) 1,1-Dichloropropene	8.377	75	288493	148.972	ug/l	99
30) 2-Butanone	7.494	43	789116	706.871	ug/l	94
31) 2,2-Dichloropropane	7.500	77	352226	148.899	ug/l	99
32) 1,1,1-Trichloroethane	8.171	97	384954	153.485	ug/l	97
33) Carbon Tetrachloride	8.365	117	338377	153.222	ug/l	98
34) Benzene	8.612	78	875198	147.827	ug/l #	94
35) Methacrylonitrile	7.788	41	161507	150.944	ug/l	92
36) 1,2-Dichloroethane	8.677	62	309419	141.047	ug/l #	95
37) Trichloroethene	9.353	130	221399	150.488	ug/l	99
38) Methylcyclohexane	9.606	83	360461	150.120	ug/l	94
39) 1,2-Dichloropropane	9.624	63	213693	143.379	ug/l	96
40) Dibromomethane	9.712	93	169576	149.969	ug/l	97
41) Bromodichloromethane	9.888	83	331481	150.574	ug/l	98
42) Vinyl Acetate	6.612	43	2368081	753.092	ug/l #	87

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.571	43	312943	141.845	ug/l	98
44) Isopropyl Acetate	8.694	43	503314	142.221	ug/l	93
45) 1,4-Dioxane	9.700	88	127537	2927.946	ug/l #	91
46) Methyl methacrylate	9.682	41	225429	141.997	ug/l	83
47) n-amyl Acetate	12.494	43	476317	156.673	ug/l	98
48) t-1,3-Dichloropropene	10.835	75	378958	157.570	ug/l	99
49) cis-1,3-Dichloropropene	10.312	75	388362	153.635	ug/l #	86
50) 1,1,2-Trichloroethane	11.018	97	255135	154.012	ug/l	97
51) Ethyl methacrylate	10.877	69	403579	156.362	ug/l	81
52) 1,3-Dichloropropane	11.165	76	405754	146.447	ug/l	100
53) Dibromochloromethane	11.359	129	294872	164.573	ug/l	99
54) 1,2-Dibromoethane	11.471	107	266668	155.594	ug/l	95
55) 2-Chloroethyl vinyl ether	10.165	63	826562	783.842	ug/l	96
56) Bromoform	12.582	173	241580	183.644	ug/l #	99
58) 4-Methyl-2-Pentanone	10.447	43	1687193	697.111	ug/l #	89
59) 2-Hexanone	11.200	43	1303028	701.819	ug/l	90
61) Tetrachloroethene	11.106	164	182533	146.276	ug/l	96
62) Toluene	10.635	91	1070139	147.306	ug/l	97
64) Chlorobenzene	11.894	112	682466	151.594	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.965	131	264952	154.060	ug/l	99
66) Ethyl Benzene	11.965	91	1235166	150.861	ug/l	95
67) m/p-Xylenes	12.076	106	1004369	305.874	ug/l	94
68) o-Xylene	12.400	106	502750	152.321	ug/l	93
69) Styrene	12.412	104	861219	159.552	ug/l	95
70) Isopropylbenzene	12.700	105	1340178	155.839	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.941	83	409916	146.328	ug/l	98
72) 1,2,3-Trichloropropane	12.994	75	369113m	157.463	ug/l	
73) Bromobenzene	12.982	156	309134	161.498	ug/l	96
74) n-propylbenzene	13.041	91	1510556	156.855	ug/l	96
75) 2-Chlorotoluene	13.129	91	891952	153.104	ug/l	99
76) 1,3,5-Trimethylbenzene	13.176	105	1134907	155.675	ug/l	95
77) t-1,4-Dichloro-2-butene	12.741	75	149965	169.005	ug/l	84
78) 4-Chlorotoluene	13.223	91	893448	154.496	ug/l	99
79) tert-butylbenzene	13.441	119	1024523	157.506	ug/l	95
80) 1,2,4-Trimethylbenzene	13.482	105	1155679m	156.160	ug/l	
81) sec-Butylbenzene	13.618	105	1452288	187.992	ug/l	98
82) p-Isopropyltoluene	13.729	119	1271928	164.879	ug/l	97
83) 1,3-Dichlorobenzene	13.735	146	629524	166.303	ug/l	99
84) 1,4-Dichlorobenzene	13.812	146	612542	167.728	ug/l	99
85) n-Butylbenzene	14.059	91	1054184	170.375	ug/l	95
86) Hexachloroethane	14.335	117	225913	158.032	ug/l	100
87) 1,2-Dichlorobenzene	14.106	146	613136	163.754	ug/l	97
88) 1,2-Dibromo-3-Chloropr...	14.723	75	92291	156.738	ug/l	88
89) 1,2,4-Trichlorobenzene	15.394	180	297999	180.191	ug/l	99
90) Hexachlorobutadiene	15.500	225	125714	165.284	ug/l	99
91) Naphthalene	15.641	128	1157621	176.616	ug/l	99
92) 1,2,3-Trichlorobenzene	15.841	180	298340	178.209	ug/l	100

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

