

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080823\
 Data File : VN078805.D
 Acq On : 08 Aug 2023 18:15
 Operator : JC\MD
 Sample : VSTDICC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC050

Quant Time: Aug 09 04:40:55 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080823W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Aug 09 04:37:34 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 08/09/2023
 Supervised By : Semsettin Yesilyurt 08/09/2023

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

Internal Standards						
1) Bromochloromethane	7.824	128	33566	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	180838	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.871	117	166075	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.588	65	78379	30.402	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	101.333%		
60) 4-Bromofluorobenzene	12.853	95	74239	29.503	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	98.333%		
63) Toluene-d8	10.571	98	235192	28.286	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	94.300%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.136	85	121526	54.451	ug/l	94
3) Chloromethane	2.371	50	140678	52.812	ug/l	99
4) Vinyl Chloride	2.518	62	135350	39.728	ug/l	98
5) Bromomethane	2.953	94	88040	34.443	ug/l	97
6) Chloroethane	3.118	64	87156	38.263	ug/l	100
7) Trichlorofluoromethane	3.500	101	180872	48.544	ug/l	98
8) Diethyl Ether	3.971	74	64589	52.175	ug/l	73
9) 1,1,2-Trichlorotrifluo...	4.383	101	98692	48.945	ug/l	98
10) 1,1-Dichloroethene	4.347	96	99388	52.042	ug/l	88
11) Methyl Iodide	4.600	142	130237	48.609	ug/l	96
12) Methyl Acetate	5.036	43	200064	59.815	ug/l	97
13) Acrolein	4.195	56	107386	308.289	ug/l	98
14) Acrylonitrile	5.736	53	275245	287.812	ug/l	99
15) Acetone	4.436	58	71100	263.461	ug/l	85
16) Carbon Disulfide	4.718	76	274576	50.450	ug/l	98
17) Allyl chloride	5.036	41	172415	64.407	ug/l	90
18) Methylene Chloride	5.289	84	111581	48.046	ug/l #	73
19) trans-1,2-Dichloroethene	5.800	96	109063	49.223	ug/l	98
20) Diisopropyl ether	6.689	45	380801	61.381	ug/l #	94
21) 1,1-Dichloroethane	6.583	63	216003	54.267	ug/l	98
22) cis-1,2-Dichloroethene	7.494	96	126704	56.642	ug/l	96
23) tert-Butyl Alcohol	5.536	59	96241	254.595	ug/l #	100
24) Methyl tert-Butyl Ether	5.806	73	334524	51.999	ug/l #	92
25) Chloroform	7.971	83	214479	51.759	ug/l	97
26) Cyclohexane	8.265	56	175392	60.228	ug/l #	93
29) 1,1-Dichloropropene	8.377	75	162541	58.768	ug/l	95
30) 2-Butanone	7.494	43	382755	335.771	ug/l	93
31) 2,2-Dichloropropane	7.500	77	165286	53.545	ug/l	97
32) 1,1,1-Trichloroethane	8.177	97	182226	53.617	ug/l	96
33) Carbon Tetrachloride	8.365	117	163155	53.682	ug/l	93
34) Benzene	8.612	78	475468	57.481	ug/l	96
35) Methacrylonitrile	7.783	41	94735	74.294	ug/l	79
36) 1,2-Dichloroethane	8.682	62	164337	56.867	ug/l	99
37) Trichloroethene	9.359	130	109908	48.388	ug/l	93
38) Methylcyclohexane	9.606	83	153254	54.298	ug/l	91
39) 1,2-Dichloropropane	9.629	63	125535	56.038	ug/l	92
40) Dibromomethane	9.712	93	82838	54.607	ug/l	96
41) Bromodichloromethane	9.894	83	170229	55.766	ug/l	96
42) Vinyl Acetate	6.612	43	1270297m	347.136	ug/l	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.571	43	147759	61.575	ug/l	99
44) Isopropyl Acetate	8.694	43	278203	67.530	ug/l	92
45) 1,4-Dioxane	9.700	88	40312	1096.843	ug/l #	87
46) Methyl methacrylate	9.688	41	128661	68.340	ug/l	87
47) n-amyl Acetate	12.500	43	219891	69.329	ug/l	90
48) t-1,3-Dichloropropene	10.841	75	181822	56.914	ug/l	95
49) cis-1,3-Dichloropropene	10.318	75	195412	56.413	ug/l #	89
50) 1,1,2-Trichloroethane	11.024	97	115477	54.725	ug/l	98
51) Ethyl methacrylate	10.876	69	174979	60.251	ug/l	76
52) 1,3-Dichloropropane	11.171	76	200318	52.214	ug/l	99
53) Dibromochloromethane	11.365	129	123388	52.712	ug/l	99
54) 1,2-Dibromoethane	11.476	107	114336	54.339	ug/l	98
55) 2-Chloroethyl vinyl ether	10.165	63	314703	330.048	ug/l	97
56) Bromoform	12.582	173	80782	51.924	ug/l	95
58) 4-Methyl-2-Pentanone	10.453	43	839660	311.670	ug/l #	92
59) 2-Hexanone	11.200	43	595852	299.220	ug/l	92
61) Tetrachloroethene	11.112	164	93276	42.981	ug/l	95
62) Toluene	10.635	91	512132	50.420	ug/l	97
64) Chlorobenzene	11.894	112	298469	50.593	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.965	131	112419	48.670	ug/l	99
66) Ethyl Benzene	11.971	91	545265	52.961	ug/l	99
67) m/p-Xylenes	12.076	106	409487	105.286	ug/l	99
68) o-Xylene	12.406	106	200695	50.389	ug/l	99
69) Styrene	12.418	104	329224	51.674	ug/l	99
70) Isopropylbenzene	12.700	105	511644	52.228	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.941	83	161226	50.038	ug/l	99
72) 1,2,3-Trichloropropane	12.994	75	146049m	55.674	ug/l	
73) Bromobenzene	12.988	156	117488	49.251	ug/l	98
74) n-propylbenzene	13.041	91	575466	52.540	ug/l	100
75) 2-Chlorotoluene	13.129	91	341391	45.347	ug/l	99
76) 1,3,5-Trimethylbenzene	13.176	105	408689	46.680	ug/l	100
77) t-1,4-Dichloro-2-butene	12.741	75	49813	53.196	ug/l	86
78) 4-Chlorotoluene	13.229	91	335129	46.701	ug/l	98
79) tert-butylbenzene	13.441	119	327897	43.707	ug/l	95
80) 1,2,4-Trimethylbenzene	13.488	105	395576	47.621	ug/l	97
81) sec-Butylbenzene	13.623	105	453332	46.696	ug/l	98
82) p-Isopropyltoluene	13.735	119	366036	46.755	ug/l	99
83) 1,3-Dichlorobenzene	13.741	146	198610	47.228	ug/l	99
84) 1,4-Dichlorobenzene	13.817	146	191108	48.440	ug/l	98
85) n-Butylbenzene	14.065	91	277587	50.916	ug/l	99
86) Hexachloroethane	14.335	117	70696	48.796	ug/l	97
87) 1,2-Dichlorobenzene	14.112	146	195502	49.353	ug/l	96
88) 1,2-Dibromo-3-Chloropr...	14.723	75	24739	46.301	ug/l	95
89) 1,2,4-Trichlorobenzene	15.400	180	60359	53.874	ug/l	95
90) Hexachlorobutadiene	15.506	225	36421	43.222	ug/l	97
91) Naphthalene	15.647	128	192100	56.616	ug/l	99
92) 1,2,3-Trichlorobenzene	15.847	180	67645	52.950	ug/l	93

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

