

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110823\
 Data File : VN079990.D
 Acq On : 08 Nov 2023 13:57
 Operator : JC\MD
 Sample : VSTDIC010
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

Quant Time: Nov 09 03:46:41 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N110823W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Nov 08 15:03:03 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.812	128	76260	30.000	ug/l	-0.01
28) 1,4-Difluorobenzene	9.106	114	433027	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.871	117	385808	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.583	65	196984	30.772	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 102.567%			
60) 4-Bromofluorobenzene	12.853	95	177683	28.799	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 96.000%			
63) Toluene-d8	10.571	98	548105	29.983	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 99.933%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	49451	9.945	ug/l	100
3) Chloromethane	2.360	50	63059	10.067	ug/l	97
4) Vinyl Chloride	2.513	62	61529	11.754	ug/l	94
5) Bromomethane	2.966	94	29921	10.440	ug/l	97
6) Chloroethane	3.118	64	30640	10.046	ug/l	94
7) Trichlorofluoromethane	3.495	101	80318	10.224	ug/l	97
8) Diethyl Ether	3.960	74	27132	9.621	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.365	101	46081	10.383	ug/l	99
10) 1,1-Dichloroethene	4.342	96	27558	7.019	ug/l	94
11) Methyl Iodide	4.589	142	48694	9.376	ug/l	95
12) Methyl Acetate	5.024	43	101609	9.982	ug/l	97
13) Acrolein	4.183	56	42981	49.975	ug/l	97
14) Acrylonitrile	5.724	53	120823	49.972	ug/l	97
15) Acetone	4.430	58	38037	46.592	ug/l	90
16) Carbon Disulfide	4.712	76	129943	9.692	ug/l	100
17) Allyl chloride	5.024	41	65597	9.561	ug/l	96
18) Methylene Chloride	5.277	84	53039	10.073	ug/l	92
19) trans-1,2-Dichloroethene	5.789	96	47369	9.733	ug/l	95
20) Diisopropyl ether	6.677	45	151673	9.460	ug/l	95
21) 1,1-Dichloroethane	6.571	63	93397	9.759	ug/l	97
22) cis-1,2-Dichloroethene	7.489	96	54122	9.583	ug/l	97
23) tert-Butyl Alcohol	5.530	59	31571	51.461	ug/l #	100
24) Methyl tert-Butyl Ether	5.801	73	136824	9.464	ug/l	99
25) Chloroform	7.965	83	97686	9.888	ug/l	92
26) Cyclohexane	8.259	56	72552	9.637	ug/l #	98
29) 1,1-Dichloropropene	8.371	75	68442	9.209	ug/l	99
30) 2-Butanone	7.489	43	165729	46.694	ug/l	99
31) 2,2-Dichloropropane	7.495	77	74854	9.319	ug/l	99
32) 1,1,1-Trichloroethane	8.171	97	80299	9.464	ug/l	97
33) Carbon Tetrachloride	8.365	117	70201	9.414	ug/l	99
34) Benzene	8.606	78	207047	9.378	ug/l	98
35) Methacrylonitrile	7.777	41	35861	9.637	ug/l	91
36) 1,2-Dichloroethane	8.677	62	76307	9.550	ug/l	99
37) Trichloroethene	9.359	130	50168	9.449	ug/l	99
38) Methylcyclohexane	9.606	83	61867	8.866	ug/l	98
39) 1,2-Dichloropropane	9.624	63	55171	9.442	ug/l	99
40) Dibromomethane	9.706	93	36896	9.768	ug/l	98
41) Bromodichloromethane	9.889	83	75087	9.598	ug/l	97
42) Vinyl Acetate	6.606	43	399949	45.366	ug/l	99

11/09/2023
 Supervised By :Semsettin
 Cesilyurt

11/09/2023

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QLast Update : Wed Nov 08 15:03:03 2023

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
43) Ethyl Acetate	7.559	43	56499	8.474	ug/l	98	11/09/2023
44) Isopropyl Acetate	8.695	43	102476	9.433	ug/l	98	Supervised By :Semsettin
45) 1,4-Dioxane	9.700	88	16014	191.272	ug/l #	95	Yesilyurt
46) Methyl methacrylate	9.683	41	47197	9.037	ug/l	89	
47) n-amyl Acetate	12.494	43	75627	8.666	ug/l	97	
48) t-1,3-Dichloropropene	10.841	75	71919	9.002	ug/l	95	
49) cis-1,3-Dichloropropene	10.312	75	82662	9.359	ug/l	93	11/09/2023
50) 1,1,2-Trichloroethane	11.018	97	48192	9.353	ug/l	93	
51) Ethyl methacrylate	10.877	69	65039	8.782	ug/l	97	
52) 1,3-Dichloropropane	11.165	76	88550	9.613	ug/l	100	
53) Dibromochloromethane	11.365	129	51622	9.365	ug/l	100	
54) 1,2-Dibromoethane	11.471	107	48248	9.326	ug/l	97	
55) 2-Chloroethyl vinyl ether	10.165	63	149773	43.972	ug/l	97	
56) Bromoform	12.583	173	33354	9.234	ug/l	99	
58) 4-Methyl-2-Pentanone	10.447	43	314820	48.843	ug/l	98	
59) 2-Hexanone	11.200	43	228550	46.548	ug/l	99	
61) Tetrachloroethene	11.112	164	44670	9.876	ug/l	96	
62) Toluene	10.636	91	213796	9.581	ug/l	98	
64) Chlorobenzene	11.894	112	127923	9.607	ug/l	94	
65) 1,1,1,2-Tetrachloroethane	11.965	131	47141	9.651	ug/l	97	
66) Ethyl Benzene	11.965	91	214742	9.158	ug/l	99	
67) m/p-Xylenes	12.077	106	160841	18.425	ug/l	94	
68) o-Xylene	12.400	106	76463	9.138	ug/l	98	
69) Styrene	12.412	104	121948	8.804	ug/l	98	
70) Isopropylbenzene	12.700	105	189698	9.089	ug/l	98	
71) 1,1,2,2-Tetrachloroethane	12.941	83	68592	9.649	ug/l	100	
72) 1,2,3-Trichloropropane	12.994	75	65086m	7.147	ug/l		
73) Bromobenzene	12.983	156	48275	9.408	ug/l	95	
74) n-propylbenzene	13.041	91	220989	8.851	ug/l	98	
75) 2-Chlorotoluene	13.130	91	145896	9.193	ug/l	100	
76) 1,3,5-Trimethylbenzene	13.177	105	154525	8.951	ug/l	98	
77) t-1,4-Dichloro-2-butene	12.741	75	19141	8.850	ug/l	94	
78) 4-Chlorotoluene	13.224	91	146199	9.275	ug/l	98	
79) tert-butylbenzene	13.441	119	120924	8.944	ug/l	98	
80) 1,2,4-Trimethylbenzene	13.488	105	150782	8.907	ug/l	99	
81) sec-Butylbenzene	13.618	105	170373	8.927	ug/l	98	
82) p-Isopropyltoluene	13.735	119	133811	8.634	ug/l	98	
83) 1,3-Dichlorobenzene	13.735	146	87218	9.328	ug/l	99	
84) 1,4-Dichlorobenzene	13.818	146	86775	9.455	ug/l	96	
85) n-Butylbenzene	14.059	91	108865	8.398	ug/l	98	
86) Hexachloroethane	14.335	117	28416	9.429	ug/l	95	
87) 1,2-Dichlorobenzene	14.106	146	81448	9.118	ug/l	96	
88) 1,2-Dibromo-3-Chloropr...	14.724	75	12288	9.452	ug/l	98	
89) 1,2,4-Trichlorobenzene	15.841	180	38505	9.305	ug/l	98	
90) Hexachlorobutadiene	15.506	225	19883	9.749	ug/l	96	
91) Naphthalene	15.641	128	115119	8.668	ug/l	98	
92) 1,2,3-Trichlorobenzene	15.841	180	38505	9.305	ug/l	98	

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

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