

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102523\
 Data File : VN079688.D
 Acq On : 25 Oct 2023 17:49
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Quant Time: Oct 26 01:39:00 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N101723W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Oct 18 02:19:15 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John
 Carlone

10/26/2023
 Supervised By :Mahesh
 Dadoda

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

Internal Standards						
1) Bromochloromethane	7.818	128	24127	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	171480	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.870	117	213126	30.000	ug/l	0.00

System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.582	65	109148	31.819	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	= 106.067%	
60) 4-Bromofluorobenzene	12.853	95	125507	32.202	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	= 107.333%	
63) Toluene-d8	10.570	98	281902	30.868	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	= 102.900%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.130	85	57183	16.343	ug/l	99
3) Chloromethane	2.365	50	71552	15.778	ug/l	93
4) Vinyl Chloride	2.518	62	79466	16.237	ug/l	98
5) Bromomethane	2.965	94	44771	14.754	ug/l	93
6) Chloroethane	3.124	64	61998	17.998	ug/l	97
7) Trichlorofluoromethane	3.500	101	124259	20.806	ug/l	96
8) Diethyl Ether	3.971	74	39886	18.428	ug/l	93
9) 1,1,2-Trichlorotrifluo...	4.371	101	71748	20.998	ug/l	77
10) 1,1-Dichloroethene	4.347	96	61376	18.880	ug/l	92
11) Methyl Iodide	4.594	142	70244	19.516	ug/l	98
12) Methyl Acetate	5.030	43	159097	20.301	ug/l	91
13) Acrolein	4.188	56	62010	95.719	ug/l	99
14) Acrylonitrile	5.724	53	196069	104.471	ug/l	98
15) Acetone	4.430	58	55930	94.075	ug/l	79
16) Carbon Disulfide	4.712	76	178544	18.011	ug/l	98
17) Allyl chloride	5.030	41	92880	18.531	ug/l	99
18) Methylene Chloride	5.288	84	82863	20.709	ug/l	97
19) trans-1,2-Dichloroethene	5.788	96	72640	19.973	ug/l	96
20) Diisopropyl ether	6.682	45	250874	21.109	ug/l	99
21) 1,1-Dichloroethane	6.571	63	151464	20.973	ug/l	97
22) cis-1,2-Dichloroethene	7.494	96	84603	20.197	ug/l	97
23) tert-Butyl Alcohol	5.518	59	55585	88.571	ug/l #	100
24) Methyl tert-Butyl Ether	5.800	73	216925	19.887	ug/l	98
25) Chloroform	7.971	83	157856	21.632	ug/l	93
26) Cyclohexane	8.259	56	110188	20.184	ug/l #	99
29) 1,1-Dichloropropene	8.376	75	108625	21.676	ug/l	98
30) 2-Butanone	7.488	43	263939	105.074	ug/l	100
31) 2,2-Dichloropropane	7.494	77	116673	20.649	ug/l	99
32) 1,1,1-Trichloroethane	8.176	97	133263	22.374	ug/l	99
33) Carbon Tetrachloride	8.371	117	114175	22.539	ug/l	98
34) Benzene	8.612	78	333723	21.919	ug/l	96
35) Methacrylonitrile	7.782	41	56731	21.469	ug/l	95
36) 1,2-Dichloroethane	8.676	62	124099	22.828	ug/l	99
37) Trichloroethene	9.359	130	74533	20.942	ug/l	96
38) Methylcyclohexane	9.606	83	101696	21.077	ug/l	98
39) 1,2-Dichloropropane	9.629	63	88068	21.919	ug/l	100
40) Dibromomethane	9.712	93	59120	22.421	ug/l	99
41) Bromodichloromethane	9.888	83	123812	22.657	ug/l	96
42) Vinyl Acetate	6.612	43	655754	102.910	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
43) Ethyl Acetate	7.565	43	105186	22.269	ug/l	#	81
44) Isopropyl Acetate	8.694	43	166058	19.777	ug/l		96
45) 1,4-Dioxane	9.700	88	26518	403.461	ug/l		95
46) Methyl methacrylate	9.682	41	79397	21.314	ug/l		94
47) n-amyl Acetate	12.500	43	116212	19.177	ug/l		94
48) t-1,3-Dichloropropene	10.841	75	113721	20.586	ug/l		95
49) cis-1,3-Dichloropropene	10.317	75	130100	21.537	ug/l		93
50) 1,1,2-Trichloroethane	11.023	97	81184	22.193	ug/l		97
51) Ethyl methacrylate	10.876	69	104818	20.769	ug/l		96
52) 1,3-Dichloropropane	11.164	76	142818	22.038	ug/l		99
53) Dibromochloromethane	11.364	129	84924	22.715	ug/l		100
54) 1,2-Dibromoethane	11.470	107	77770	21.550	ug/l		96
55) 2-Chloroethyl vinyl ether	10.165	63	184829	95.986	ug/l		98
56) Bromoform	12.582	173	54302	21.956	ug/l		98
58) 4-Methyl-2-Pentanone	10.447	43	549865	110.613	ug/l		100
59) 2-Hexanone	11.200	43	384276	105.369	ug/l		99
61) Tetrachloroethene	11.106	164	64834	22.156	ug/l		96
62) Toluene	10.635	91	344975	21.179	ug/l		99
64) Chlorobenzene	11.894	112	199837	21.154	ug/l		94
65) 1,1,1,2-Tetrachloroethane	11.964	131	79660	22.136	ug/l		96
66) Ethyl Benzene	11.970	91	351270	20.931	ug/l		100
67) m/p-Xylenes	12.076	106	268432	43.245	ug/l		93
68) o-Xylene	12.406	106	125737	21.189	ug/l		98
69) Styrene	12.417	104	206750	21.947	ug/l		100
70) Isopropylbenzene	12.700	105	319355	20.971	ug/l		98
71) 1,1,2,2-Tetrachloroethane	12.941	83	118610	21.905	ug/l		100
72) 1,2,3-Trichloropropane	12.994	75	106698m	21.698	ug/l		
73) Bromobenzene	12.982	156	74509	20.828	ug/l		93
74) n-propylbenzene	13.041	91	391170	22.063	ug/l		99
75) 2-Chlorotoluene	13.129	91	241336	21.896	ug/l		100
76) 1,3,5-Trimethylbenzene	13.176	105	286207	22.990	ug/l		99
77) t-1,4-Dichloro-2-butene	12.741	75	30388	20.248	ug/l		97
78) 4-Chlorotoluene	13.223	91	228603	21.952	ug/l		99
79) tert-butylbenzene	13.441	119	221999	22.179	ug/l		99
80) 1,2,4-Trimethylbenzene	13.488	105	269172	22.314	ug/l		98
81) sec-Butylbenzene	13.623	105	316727	22.540	ug/l		99
82) p-Isopropyltoluene	13.735	119	252263	22.632	ug/l		98
83) 1,3-Dichlorobenzene	13.735	146	129665	22.042	ug/l		98
84) 1,4-Dichlorobenzene	13.817	146	118545	21.021	ug/l		97
85) n-Butylbenzene	14.058	91	176818	20.304	ug/l		98
86) Hexachloroethane	14.335	117	53376	22.151	ug/l		96
87) 1,2-Dichlorobenzene	14.105	146	127000	21.721	ug/l		98
88) 1,2-Dibromo-3-Chloropr...	14.723	75	17059	20.675	ug/l		98
89) 1,2,4-Trichlorobenzene	15.841	180	30034	14.573	ug/l		99
90) Hexachlorobutadiene	15.505	225	26851	18.394	ug/l		97
91) Naphthalene	15.647	128	59786	11.246	ug/l		99
92) 1,2,3-Trichlorobenzene	15.841	180	30034	14.573	ug/l		99

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

