

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100824\
 Data File : VN084355.D
 Acq On : 08 Oct 2024 17:40
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/09/2024
 Supervised By : Mahesh Dadoda 10/09/2024

Quant Time : Oct 09 02:33:35 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100824W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Oct 09 02:21:08 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.806	128	30470	30.000	ug/l	-0.01
28) 1,4-Difluorobenzene	9.100	114	162746	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	149621	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	73291	29.877	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	99.600%		
60) 4-Bromofluorobenzene	12.847	95	73092	29.600	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	98.667%		
63) Toluene-d8	10.565	98	213083	30.742	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	102.467%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.130	85	35240	18.943	ug/l	100
3) Chloromethane	2.365	50	41063	19.397	ug/l	98
4) Vinyl Chloride	2.518	62	40626	19.569	ug/l	100
5) Bromomethane	2.959	94	21858	15.891	ug/l	96
6) Chloroethane	3.124	64	25512	18.745	ug/l	97
7) Trichlorofluoromethane	3.500	101	65171	19.272	ug/l	91
8) Diethyl Ether	3.959	74	22942	18.453	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.371	101	37732	19.845	ug/l	96
10) 1,1-Dichloroethene	4.342	96	35573	18.750	ug/l	96
11) Methyl Iodide	4.589	142	31458	12.617	ug/l	93
12) Methyl Acetate	5.030	43	41242	17.364	ug/l	96
13) Acrolein	4.183	56	40008	90.677	ug/l	98
14) Acrylonitrile	5.718	53	91007	85.286	ug/l	98
15) Acetone	4.424	58	30176	98.996	ug/l	95
16) Carbon Disulfide	4.718	76	103309	18.286	ug/l	98
17) Allyl chloride	5.024	41	55751	18.128	ug/l	97
18) Methylene Chloride	5.283	84	40734	19.059	ug/l	98
19) trans-1,2-Dichloroethene	5.789	96	37724	18.788	ug/l	95
20) Diisopropyl ether	6.677	45	130765	19.775	ug/l	98
21) 1,1-Dichloroethane	6.571	63	73212	19.296	ug/l	99
22) cis-1,2-Dichloroethene	7.488	96	45294	19.385	ug/l	98
23) tert-Butyl Alcohol	5.518	59	30347	74.143	ug/l #	100
24) Methyl tert-Butyl Ether	5.794	73	119367	18.827	ug/l #	84
25) Chloroform	7.965	83	76828	19.993	ug/l	96
26) Cyclohexane	8.253	56	57088	17.990	ug/l #	92
29) 1,1-Dichloropropene	8.365	75	51372	19.229	ug/l	99
30) 2-Butanone	7.482	43	125484	88.219	ug/l	99
31) 2,2-Dichloropropane	7.488	77	63562	20.246	ug/l #	82
32) 1,1,1-Trichloroethane	8.171	97	69017	20.211	ug/l	98
33) Carbon Tetrachloride	8.365	117	58948	19.926	ug/l	97
34) Benzene	8.606	78	167176	19.990	ug/l	97
35) Methacrylonitrile	7.777	41	28254	18.619	ug/l	97
36) 1,2-Dichloroethane	8.671	62	55376	19.865	ug/l	98
37) Trichloroethene	9.353	130	36961	19.193	ug/l	97
38) Methylcyclohexane	9.606	83	54770	18.664	ug/l	99
39) 1,2-Dichloropropane	9.624	63	40203	19.714	ug/l	99
40) Dibromomethane	9.706	93	28490	19.989	ug/l	99
41) Bromodichloromethane	9.888	83	59651	19.714	ug/l	89
42) Vinyl Acetate	6.606	43	457941	92.569	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.559	43	52269	18.632	ug/l	98
44) Isopropyl Acetate	8.688	43	86201	18.774	ug/l	100
45) 1,4-Dioxane	9.694	88	14005	338.358	ug/l	97
46) Methyl methacrylate	9.682	41	40372	18.198	ug/l	98
47) n-amyl Acetate	12.494	43	74707	18.292	ug/l	100
48) t-1,3-Dichloropropene	10.835	75	58691	18.771	ug/l	95
49) cis-1,3-Dichloropropene	10.312	75	63988	19.527	ug/l	98
50) 1,1,2-Trichloroethane	11.018	97	38158	19.918	ug/l	95
51) Ethyl methacrylate	10.871	69	56920	17.987	ug/l	92
52) 1,3-Dichloropropane	11.165	76	66001	19.703	ug/l	98
53) Dibromochloromethane	11.359	129	43566	19.250	ug/l	97
54) 1,2-Dibromoethane	11.470	107	37904	19.221	ug/l	99
55) 2-Chloroethyl vinyl ether	10.159	63	133068	92.716	ug/l	100
56) Bromoform	12.576	173	28307	18.859	ug/l	97
58) 4-Methyl-2-Pentanone	10.441	43	256151	91.903	ug/l	99
59) 2-Hexanone	11.194	43	186516	90.056	ug/l	97
61) Tetrachloroethene	11.106	164	32918	19.450	ug/l	94
62) Toluene	10.629	91	178118	20.335	ug/l	97
64) Chlorobenzene	11.894	112	107308	19.687	ug/l	96
65) 1,1,1,2-Tetrachloroethane	11.959	131	38273	20.212	ug/l	99
66) Ethyl Benzene	11.965	91	181819	19.106	ug/l	99
67) m/p-Xylenes	12.070	106	142977	39.605	ug/l	100
68) o-Xylene	12.394	106	66635	19.150	ug/l	96
69) Styrene	12.412	104	115373	19.314	ug/l	100
70) Isopropylbenzene	12.694	105	168131	18.927	ug/l	96
71) 1,1,2,2-Tetrachloroethane	12.935	83	54147	19.704	ug/l	99
72) 1,2,3-Trichloropropane	12.988	75	43383m	18.433	ug/l	
73) Bromobenzene	12.982	156	42285	19.655	ug/l	97
74) n-propylbenzene	13.035	91	203271	19.202	ug/l	100
75) 2-Chlorotoluene	13.123	91	129200	19.641	ug/l	98
76) 1,3,5-Trimethylbenzene	13.170	105	145959	19.514	ug/l	99
77) t-1,4-Dichloro-2-butene	12.735	75	17262	17.164	ug/l	94
78) 4-Chlorotoluene	13.223	91	130078	19.450	ug/l	99
79) tert-butylbenzene	13.435	119	120931	18.951	ug/l	99
80) 1,2,4-Trimethylbenzene	13.482	105	147293	19.408	ug/l	98
81) sec-Butylbenzene	13.617	105	168977	19.234	ug/l	99
82) p-Isopropyltoluene	13.729	119	137240	18.560	ug/l	100
83) 1,3-Dichlorobenzene	13.735	146	77193	19.297	ug/l	98
84) 1,4-Dichlorobenzene	13.812	146	73656	18.542	ug/l	99
85) n-Butylbenzene	14.053	91	114099	17.816	ug/l	100
86) Hexachloroethane	14.335	117	27070	19.002	ug/l	93
87) 1,2-Dichlorobenzene	14.106	146	73802	19.082	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.723	75	9795	17.430	ug/l	95
89) 1,2,4-Trichlorobenzene	15.841	180	33101	16.461	ug/l	99
90) Hexachlorobutadiene	15.500	225	15757	16.938	ug/l	97
91) Naphthalene	15.641	128	106388	15.612	ug/l	100
92) 1,2,3-Trichlorobenzene	15.841	180	33101	16.461	ug/l	99

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

