

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112124\
 Data File : VN084987.D
 Acq On : 21 Nov 2024 10:09
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/21/2024
 Supervised By : Mahesh Dadoda 11/22/2024

Quant Time: Nov 21 14:42:37 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N103124W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Nov 01 02:38:04 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.812	128	33996	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	179355	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	164023	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	82968	30.357	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 101.200%			
60) 4-Bromofluorobenzene	12.847	95	88511	31.340	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 104.467%			
63) Toluene-d8	10.565	98	233022	30.010	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 100.033%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.118	85	41652	21.065	ug/l	96
3) Chloromethane	2.359	50	44811	18.823	ug/l	96
4) Vinyl Chloride	2.512	62	42735	19.332	ug/l	98
5) Bromomethane	2.900	94	23012	20.510	ug/l	99
6) Chloroethane	3.071	64	27661	19.058	ug/l #	86
7) Trichlorofluoromethane	3.471	101	72284	20.134	ug/l	99
8) Diethyl Ether	3.953	74	24539	19.162	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.359	101	41865	20.635	ug/l	86
10) 1,1-Dichloroethene	4.330	96	37691	19.024	ug/l	83
11) Methyl Iodide	4.583	142	53189	19.533	ug/l	94
12) Methyl Acetate	5.018	43	52828	17.106	ug/l	99
13) Acrolein	4.177	56	40617	106.654	ug/l	99
14) Acrylonitrile	5.712	53	98846	97.839	ug/l	98
15) Acetone	4.424	58	25621	98.698	ug/l	99
16) Carbon Disulfide	4.700	76	104210	17.876	ug/l	98
17) Allyl chloride	5.012	41	54126	16.033	ug/l	95
18) Methylene Chloride	5.265	84	42981	18.513	ug/l	99
19) trans-1,2-Dichloroethene	5.777	96	38322	18.454	ug/l	90
20) Diisopropyl ether	6.671	45	128701	19.044	ug/l	95
21) 1,1-Dichloroethane	6.559	63	76278	18.768	ug/l	97
22) cis-1,2-Dichloroethene	7.483	96	44210	17.832	ug/l	99
23) tert-Butyl Alcohol	5.541	59	33641m	95.380	ug/l	
24) Methyl tert-Butyl Ether	5.789	73	121089m	18.900	ug/l	
25) Chloroform	7.959	83	79800	19.164	ug/l	96
26) Cyclohexane	8.253	56	61846	19.921	ug/l #	97
29) 1,1-Dichloropropene	8.365	75	53180	19.686	ug/l	98
30) 2-Butanone	7.483	43	127794	102.552	ug/l	99
31) 2,2-Dichloropropane	7.483	77	70292	21.316	ug/l	99
32) 1,1,1-Trichloroethane	8.165	97	72219	19.678	ug/l	99
33) Carbon Tetrachloride	8.353	117	63830	20.382	ug/l	95
34) Benzene	8.600	78	169523	18.985	ug/l	96
35) Methacrylonitrile	7.777	41	28991	19.629	ug/l	96
36) 1,2-Dichloroethane	8.665	62	58594	19.732	ug/l	98
37) Trichloroethene	9.353	130	37651	18.691	ug/l	96
38) Methylcyclohexane	9.594	83	54424	18.714	ug/l	99
39) 1,2-Dichloropropane	9.618	63	41464	19.290	ug/l	97
40) Dibromomethane	9.706	93	29647	19.716	ug/l	97
41) Bromodichloromethane	9.888	83	62187	19.291	ug/l	94
42) Vinyl Acetate	6.594	43	444423	95.413	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.553	43	48642	18.577	ug/l	96
44) Isopropyl Acetate	8.688	43	104200	19.652	ug/l	98
45) 1,4-Dioxane	9.694	88	13859	391.521	ug/l #	87
46) Methyl methacrylate	9.682	41	40301	18.914	ug/l	92
47) n-amyl Acetate	12.494	43	74142	18.723	ug/l	99
48) t-1,3-Dichloropropene	10.829	75	59053	18.552	ug/l	98
49) cis-1,3-Dichloropropene	10.312	75	64780	18.989	ug/l	94
50) 1,1,2-Trichloroethane	11.012	97	41107	20.380	ug/l	96
51) Ethyl methacrylate	10.871	69	56812	18.273	ug/l	98
52) 1,3-Dichloropropane	11.159	76	68337	19.519	ug/l	99
53) Dibromochloromethane	11.359	129	46003	19.490	ug/l	97
54) 1,2-Dibromoethane	11.465	107	39883	19.550	ug/l	99
55) 2-Chloroethyl vinyl ether	10.159	63	147551	96.800	ug/l	99
56) Bromoform	12.576	173	30775	19.451	ug/l	100
58) 4-Methyl-2-Pentanone	10.441	43	267148	103.239	ug/l	99
59) 2-Hexanone	11.194	43	202058	106.636	ug/l	100
61) Tetrachloroethene	11.106	164	32719	19.060	ug/l	94
62) Toluene	10.629	91	180288	19.298	ug/l	97
64) Chlorobenzene	11.888	112	107139	18.997	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.959	131	39814	19.209	ug/l	97
66) Ethyl Benzene	11.959	91	178115	18.142	ug/l	93
67) m/p-Xylenes	12.070	106	144624	38.476	ug/l	98
68) o-Xylene	12.400	106	68894	19.001	ug/l	97
69) Styrene	12.412	104	116151	19.105	ug/l	99
70) Isopropylbenzene	12.694	105	170342	18.911	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.935	83	59285	20.307	ug/l	98
72) 1,2,3-Trichloropropane	12.988	75	49314m	19.782	ug/l	
73) Bromobenzene	12.976	156	44563	19.182	ug/l	97
74) n-propylbenzene	13.035	91	203844	19.354	ug/l	99
75) 2-Chlorotoluene	13.123	91	133176	19.416	ug/l	100
76) 1,3,5-Trimethylbenzene	13.170	105	149473	19.422	ug/l	100
77) t-1,4-Dichloro-2-butene	12.735	75	20493	20.043	ug/l	98
78) 4-Chlorotoluene	13.223	91	133045	19.198	ug/l	100
79) tert-butylbenzene	13.435	119	122941	19.317	ug/l	100
80) 1,2,4-Trimethylbenzene	13.482	105	152333	19.621	ug/l	99
81) sec-Butylbenzene	13.617	105	168731	19.240	ug/l	100
82) p-Isopropyltoluene	13.729	119	142835	19.384	ug/l	99
83) 1,3-Dichlorobenzene	13.729	146	80688	18.780	ug/l	98
84) 1,4-Dichlorobenzene	13.812	146	77795	18.325	ug/l	99
85) n-Butylbenzene	14.053	91	112759	18.220	ug/l	98
86) Hexachloroethane	14.329	117	30305	20.109	ug/l	98
87) 1,2-Dichlorobenzene	14.106	146	82352	19.451	ug/l	97
88) 1,2-Dibromo-3-Chloropr...	14.723	75	11448	20.322	ug/l	97
89) 1,2,4-Trichlorobenzene	15.841	180	36162	17.542	ug/l	97
90) Hexachlorobutadiene	15.500	225	19451	21.601	ug/l	94
91) Naphthalene	15.641	128	106129	16.121	ug/l	99
92) 1,2,3-Trichlorobenzene	15.841	180	36162	17.542	ug/l	97

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

