

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121924\
 Data File : VN085270.D
 Acq On : 19 Dec 2024 17:11
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/20/2024
 Supervised By : Mahesh Dadoda 12/20/2024

Quant Time: Dec 20 00:51:27 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N120624W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Dec 06 22:50:42 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.806	128	30504	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	144032	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	138361	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	79537	32.861	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 109.533%			
60) 4-Bromofluorobenzene	12.847	95	69268	30.257	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 100.867%			
63) Toluene-d8	10.565	98	201864	31.103	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 103.667%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	46152	18.911	ug/l	94
3) Chloromethane	2.353	50	45108	20.882	ug/l	98
4) Vinyl Chloride	2.512	62	44010	19.919	ug/l	99
5) Bromomethane	2.959	94	25615	18.261	ug/l	96
6) Chloroethane	3.118	64	28140	20.731	ug/l	90
7) Trichlorofluoromethane	3.495	101	71498	19.770	ug/l	99
8) Diethyl Ether	3.959	74	22579	19.711	ug/l	91
9) 1,1,2-Trichlorotrifluo...	4.365	101	38111	18.844	ug/l	93
10) 1,1-Dichloroethene	4.342	96	33619	18.097	ug/l	83
11) Methyl Iodide	4.583	142	41718	16.192	ug/l	88
12) Methyl Acetate	5.018	43	55028	25.109	ug/l #	82
13) Acrolein	4.171	56	28287	88.818	ug/l	99
14) Acrylonitrile	5.718	53	99930	109.813	ug/l	91
15) Acetone	4.430	58	26671m	108.154	ug/l	
16) Carbon Disulfide	4.712	76	107301	19.324	ug/l	95
17) Allyl chloride	5.024	41	56595	21.291	ug/l	90
18) Methylene Chloride	5.277	84	40833	19.372	ug/l	87
19) trans-1,2-Dichloroethene	5.788	96	36588	18.949	ug/l	88
20) Diisopropyl ether	6.671	45	131316	22.510	ug/l #	95
21) 1,1-Dichloroethane	6.571	63	77031	21.394	ug/l	98
22) cis-1,2-Dichloroethene	7.488	96	42802	19.286	ug/l	92
23) tert-Butyl Alcohol	5.530	59	34162m	104.646	ug/l	
24) Methyl tert-Butyl Ether	5.794	73	117409	20.229	ug/l #	67
25) Chloroform	7.959	83	77171	20.459	ug/l	98
26) Cyclohexane	8.259	56	55241	18.633	ug/l #	86
29) 1,1-Dichloropropene	8.371	75	51998	22.373	ug/l	96
30) 2-Butanone	7.477	43	144066	135.076	ug/l	94
31) 2,2-Dichloropropane	7.488	77	64424	21.616	ug/l #	100
32) 1,1,1-Trichloroethane	8.165	97	70149	22.299	ug/l	95
33) Carbon Tetrachloride	8.359	117	60690	21.380	ug/l	92
34) Benzene	8.606	78	163473	22.390	ug/l	98
35) Methacrylonitrile	7.777	41	31408	26.168	ug/l	84
36) 1,2-Dichloroethane	8.671	62	62330	25.078	ug/l	99
37) Trichloroethene	9.353	130	34324	19.741	ug/l	98
38) Methylcyclohexane	9.606	83	47722	18.884	ug/l	95
39) 1,2-Dichloropropane	9.624	63	41250	23.326	ug/l	93
40) Dibromomethane	9.706	93	29131	22.965	ug/l	93
41) Bromodichloromethane	9.888	83	60770	22.410	ug/l	94
42) Vinyl Acetate	6.606	43	503513	134.913	ug/l	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.559	43	58419	27.529	ug/l	95
44) Isopropyl Acetate	8.688	43	96183	26.081	ug/l	93
45) 1,4-Dioxane	9.688	88	14203	461.839	ug/l #	90
46) Methyl methacrylate	9.676	41	44215	26.197	ug/l	90
47) n-amyl Acetate	12.494	43	80341	25.893	ug/l	95
48) t-1,3-Dichloropropene	10.835	75	55708	20.927	ug/l	99
49) cis-1,3-Dichloropropene	10.312	75	61998	21.394	ug/l #	88
50) 1,1,2-Trichloroethane	11.018	97	37893	22.168	ug/l	93
51) Ethyl methacrylate	10.871	69	54919	21.124	ug/l	89
52) 1,3-Dichloropropane	11.159	76	64715	22.622	ug/l	99
53) Dibromochloromethane	11.359	129	44418	21.323	ug/l	97
54) 1,2-Dibromoethane	11.470	107	36161	20.997	ug/l	99
55) 2-Chloroethyl vinyl ether	10.159	63	131594	108.960	ug/l	96
56) Bromoform	12.576	173	29354	21.017	ug/l	93
58) 4-Methyl-2-Pentanone	10.441	43	297440	131.721	ug/l	94
59) 2-Hexanone	11.194	43	217387	127.054	ug/l	93
61) Tetrachloroethene	11.106	164	30782	18.371	ug/l	97
62) Toluene	10.629	91	171364	21.237	ug/l	97
64) Chlorobenzene	11.888	112	99600	19.992	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.959	131	37662	20.251	ug/l	97
66) Ethyl Benzene	11.959	91	171471	20.026	ug/l	98
67) m/p-Xylenes	12.070	106	131452	39.915	ug/l	94
68) o-Xylene	12.400	106	61114	19.760	ug/l	100
69) Styrene	12.412	104	106956	20.379	ug/l	100
70) Isopropylbenzene	12.694	105	159885	20.043	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.935	83	58214	23.975	ug/l	98
72) 1,2,3-Trichloropropane	12.994	75	47642m	19.863	ug/l	
73) Bromobenzene	12.976	156	37580	18.807	ug/l	86
74) n-propylbenzene	13.035	91	194752	20.307	ug/l	98
75) 2-Chlorotoluene	13.123	91	120092	20.253	ug/l	99
76) 1,3,5-Trimethylbenzene	13.170	105	136619	19.990	ug/l	99
77) t-1,4-Dichloro-2-butene	12.735	75	18158	20.834	ug/l	92
78) 4-Chlorotoluene	13.217	91	126000	20.935	ug/l	97
79) tert-butylbenzene	13.435	119	108214	19.277	ug/l	96
80) 1,2,4-Trimethylbenzene	13.482	105	138768	20.555	ug/l	100
81) sec-Butylbenzene	13.611	105	156142	19.579	ug/l	100
82) p-Isopropyltoluene	13.729	119	126276	19.099	ug/l	98
83) 1,3-Dichlorobenzene	13.735	146	73272	19.987	ug/l	99
84) 1,4-Dichlorobenzene	13.812	146	72668	20.339	ug/l	99
85) n-Butylbenzene	14.053	91	107638	19.408	ug/l	98
86) Hexachloroethane	14.329	117	27869	21.173	ug/l	95
87) 1,2-Dichlorobenzene	14.106	146	71167	20.567	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.717	75	11759	24.242	ug/l	84
89) 1,2,4-Trichlorobenzene	15.835	180	32709	19.301	ug/l	97
90) Hexachlorobutadiene	15.494	225	16380	18.601	ug/l	97
91) Naphthalene	15.641	128	100528	19.094	ug/l	100
92) 1,2,3-Trichlorobenzene	15.835	180	32709	19.301	ug/l	97

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

