

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101824\
 Data File : VN084419.D
 Acq On : 18 Oct 2024 09:44
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Quant Time: Oct 19 03:46:47 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100824W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Oct 09 02:22:28 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.812	128	32146	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	165636	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	155318	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	75806	29.291	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	97.633%		
60) 4-Bromofluorobenzene	12.847	95	78647	30.681	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	102.267%		
63) Toluene-d8	10.565	98	221634	30.802	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	102.667%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	36517	18.606	ug/l	98
3) Chloromethane	2.359	50	41402	18.537	ug/l	95
4) Vinyl Chloride	2.512	62	41949	19.153	ug/l	97
5) Bromomethane	2.959	94	26782	18.456	ug/l	88
6) Chloroethane	3.124	64	28509	19.855	ug/l	96
7) Trichlorofluoromethane	3.500	101	67312	18.867	ug/l	93
8) Diethyl Ether	3.959	74	22264	16.974	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.371	101	40129	20.005	ug/l	70
10) 1,1-Dichloroethene	4.342	96	36069	18.020	ug/l	95
11) Methyl Iodide	4.595	142	47442	18.036	ug/l	96
12) Methyl Acetate	5.024	43	50386	20.108	ug/l #	88
13) Acrolein	4.183	56	32967	70.823	ug/l	98
14) Acrylonitrile	5.718	53	102580	91.120	ug/l	98
15) Acetone	4.430	58	33175	103.160	ug/l	83
16) Carbon Disulfide	4.712	76	103426	17.352	ug/l	98
17) Allyl chloride	5.030	41	57253	17.645	ug/l	94
18) Methylene Chloride	5.277	84	45092	19.998	ug/l	94
19) trans-1,2-Dichloroethene	5.783	96	39265	18.536	ug/l	91
20) Diisopropyl ether	6.671	45	136292	19.537	ug/l	97
21) 1,1-Dichloroethane	6.565	63	77767	19.428	ug/l	98
22) cis-1,2-Dichloroethene	7.488	96	47879	19.423	ug/l	97
23) tert-Butyl Alcohol	5.524	59	34821	80.638	ug/l #	100
24) Methyl tert-Butyl Ether	5.794	73	122229	18.273	ug/l #	84
25) Chloroform	7.965	83	81226	20.035	ug/l	99
26) Cyclohexane	8.253	56	55881	16.691	ug/l #	95
29) 1,1-Dichloropropene	8.371	75	54464	20.031	ug/l	99
30) 2-Butanone	7.483	43	141105	97.470	ug/l	99
31) 2,2-Dichloropropane	7.494	77	67346	21.077	ug/l #	81
32) 1,1,1-Trichloroethane	8.165	97	71836	20.669	ug/l	99
33) Carbon Tetrachloride	8.365	117	61286	20.354	ug/l	96
34) Benzene	8.606	78	175612	20.633	ug/l	96
35) Methacrylonitrile	7.777	41	29629	19.185	ug/l	98
36) 1,2-Dichloroethane	8.671	62	59362	20.924	ug/l	98
37) Trichloroethene	9.353	130	41133	20.987	ug/l	90
38) Methylcyclohexane	9.600	83	53390	17.876	ug/l	96
39) 1,2-Dichloropropane	9.618	63	42589	20.519	ug/l	98
40) Dibromomethane	9.706	93	30991	21.364	ug/l	97
41) Bromodichloromethane	9.882	83	63949	20.766	ug/l	98
42) Vinyl Acetate	6.600	43	460459	91.454	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.559	43	53789	18.839	ug/l	96
44) Isopropyl Acetate	8.688	43	89431	19.137	ug/l	99
45) 1,4-Dioxane	9.694	88	16140	383.135	ug/l	98
46) Methyl methacrylate	9.682	41	40415	17.900	ug/l	97
47) n-amyl Acetate	12.494	43	76237	18.341	ug/l	97
48) t-1,3-Dichloropropene	10.835	75	61986	19.479	ug/l	98
49) cis-1,3-Dichloropropene	10.312	75	67257	20.167	ug/l	97
50) 1,1,2-Trichloroethane	11.018	97	40782	20.916	ug/l	96
51) Ethyl methacrylate	10.871	69	58417	18.138	ug/l	99
52) 1,3-Dichloropropane	11.165	76	70163	20.580	ug/l	100
53) Dibromochloromethane	11.359	129	46776	20.308	ug/l	100
54) 1,2-Dibromoethane	11.471	107	40138	19.999	ug/l	99
55) 2-Chloroethyl vinyl ether	10.159	63	143524	98.256	ug/l	98
56) Bromoform	12.576	173	30241	19.796	ug/l	98
58) 4-Methyl-2-Pentanone	10.441	43	279980	96.767	ug/l	99
59) 2-Hexanone	11.194	43	207167	96.358	ug/l	99
61) Tetrachloroethene	11.100	164	36226	20.620	ug/l	97
62) Toluene	10.629	91	187098	20.577	ug/l	99
64) Chlorobenzene	11.888	112	113754	20.104	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.959	131	40339	20.521	ug/l	100
66) Ethyl Benzene	11.965	91	193176	19.555	ug/l	97
67) m/p-Xylenes	12.071	106	151268	40.365	ug/l	100
68) o-Xylene	12.400	106	71423	19.773	ug/l	97
69) Styrene	12.412	104	123151	19.860	ug/l	99
70) Isopropylbenzene	12.694	105	179203	19.433	ug/l	97
71) 1,1,2,2-Tetrachloroethane	12.935	83	59456	20.842	ug/l	98
72) 1,2,3-Trichloropropane	12.994	75	56133m	22.976	ug/l	
73) Bromobenzene	12.982	156	46781	20.947	ug/l	95
74) n-propylbenzene	13.035	91	217870	19.826	ug/l	100
75) 2-Chlorotoluene	13.123	91	138000	20.210	ug/l	99
76) 1,3,5-Trimethylbenzene	13.170	105	157212	20.248	ug/l	98
77) t-1,4-Dichloro-2-butene	12.735	75	18714	17.925	ug/l	91
78) 4-Chlorotoluene	13.217	91	140461	20.232	ug/l	100
79) tert-butylbenzene	13.435	119	122716	18.526	ug/l	97
80) 1,2,4-Trimethylbenzene	13.482	105	158601	20.132	ug/l	99
81) sec-Butylbenzene	13.612	105	180356	19.776	ug/l	98
82) p-Isopropyltoluene	13.729	119	149312	19.452	ug/l	99
83) 1,3-Dichlorobenzene	13.729	146	86194	20.757	ug/l	99
84) 1,4-Dichlorobenzene	13.812	146	82250	19.946	ug/l	99
85) n-Butylbenzene	14.053	91	122923	18.489	ug/l	100
86) Hexachloroethane	14.335	117	29809	20.157	ug/l	99
87) 1,2-Dichlorobenzene	14.106	146	83650	20.835	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.717	75	11675	20.013	ug/l	93
89) 1,2,4-Trichlorobenzene	15.835	180	38827	18.600	ug/l	96
90) Hexachlorobutadiene	15.494	225	18396	19.049	ug/l	98
91) Naphthalene	15.641	128	113449	16.038	ug/l	99
92) 1,2,3-Trichlorobenzene	15.835	180	38827	18.600	ug/l	96

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

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