

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101524\
 Data File : VN084417.D
 Acq On : 15 Oct 2024 16:47
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Quant Time: Oct 16 01:25:59 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

Manual Integrations APPROVED

Reviewed By :John
 Carlone

10/16/2024
 Supervised By :Mahesh
 Dadoda

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	D
-----							10
Internal Standards							
1) Bromochloromethane	7.812	128	31426	30.000	ug/l	0.00	
28) 1,4-Difluorobenzene	9.100	114	171575	30.000	ug/l	0.00	
57) Chlorobenzene-d5	11.865	117	162521	30.000	ug/l	0.00	
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	8.577	65	77691	30.707	ug/l	0.00	
Spiked Amount	30.000	Range	91 - 110	Recovery	= 102.367%		
60) 4-Bromofluorobenzene	12.847	95	81944	30.550	ug/l	0.00	
Spiked Amount	30.000	Range	63 - 112	Recovery	= 101.833%		
63) Toluene-d8	10.565	98	229414	30.471	ug/l	0.00	
Spiked Amount	30.000	Range	91 - 112	Recovery	= 101.567%		
Target Compounds						Qvalue	
2) Dichlorodifluoromethane	2.130	85	37652	19.624	ug/l	98	
3) Chloromethane	2.359	50	43432	19.892	ug/l	97	
4) Vinyl Chloride	2.518	62	44204	20.645	ug/l	93	
5) Bromomethane	2.959	94	26860	18.934	ug/l	98	
6) Chloroethane	3.118	64	27474	19.572	ug/l	96	
7) Trichlorofluoromethane	3.500	101	71935	20.625	ug/l	95	
8) Diethyl Ether	3.959	74	24529	19.129	ug/l	99	
9) 1,1,2-Trichlorotrifluo...	4.371	101	40986	20.900	ug/l	99	
10) 1,1-Dichloroethene	4.341	96	39251	20.059	ug/l	89	
11) Methyl Iodide	4.594	142	49546	19.268	ug/l	96	
12) Methyl Acetate	5.024	43	50426	20.585	ug/l	96	
13) Acrolein	4.177	56	50998	112.069	ug/l	99	
14) Acrylonitrile	5.718	53	101719	92.425	ug/l	97	
15) Acetone	4.430	58	33195	105.587	ug/l	96	
16) Carbon Disulfide	4.712	76	108238	18.576	ug/l	97	
17) Allyl chloride	5.018	41	60522	19.080	ug/l	97	
18) Methylene Chloride	5.277	84	44955	20.394	ug/l #	95	
19) trans-1,2-Dichloroethene	5.794	96	39584	19.114	ug/l	94	
20) Diisopropyl ether	6.671	45	137200	20.117	ug/l	99	
21) 1,1-Dichloroethane	6.565	63	81381	20.796	ug/l	94	
22) cis-1,2-Dichloroethene	7.488	96	49217	20.424	ug/l	98	
23) tert-Butyl Alcohol	5.524	59	36260	85.894	ug/l #	100	
24) Methyl tert-Butyl Ether	5.788	73	126573	19.356	ug/l #	83	
25) Chloroform	7.971	83	85287	21.519	ug/l	93	
26) Cyclohexane	8.253	56	61497	18.790	ug/l #	94	
29) 1,1-Dichloropropene	8.371	75	56679	20.124	ug/l	99	
30) 2-Butanone	7.482	43	140438	93.651	ug/l	100	
31) 2,2-Dichloropropane	7.488	77	69066	20.867	ug/l #	80	
32) 1,1,1-Trichloroethane	8.171	97	74686	20.746	ug/l	99	
33) Carbon Tetrachloride	8.359	117	63934	20.499	ug/l	99	
34) Benzene	8.606	78	180198	20.439	ug/l	97	
35) Methacrylonitrile	7.777	41	31333	19.586	ug/l	96	
36) 1,2-Dichloroethane	8.665	62	61671	20.985	ug/l	99	
37) Trichloroethene	9.353	130	40658	20.027	ug/l	93	
38) Methylcyclohexane	9.600	83	58414	18.881	ug/l	97	
39) 1,2-Dichloropropane	9.618	63	44799	20.837	ug/l	97	
40) Dibromomethane	9.706	93	31920	21.243	ug/l	95	
41) Bromodichloromethane	9.888	83	66221	20.759	ug/l	96	
42) Vinyl Acetate	6.600	43	479248	91.891	ug/l	99	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.559	43	55620	18.806	ug/l	99
44) Isopropyl Acetate	8.688	43	90534	18.703	ug/l	99
45) 1,4-Dioxane	9.694	88	15960	365.748	ug/l	98
46) Methyl methacrylate	9.682	41	43401	18.557	ug/l	97
47) n-amyl Acetate	12.494	43	78587	18.252	ug/l	98
48) t-1,3-Dichloropropene	10.835	75	63488	19.260	ug/l	99
49) cis-1,3-Dichloropropene	10.312	75	68496	19.827	ug/l	96
50) 1,1,2-Trichloroethane	11.012	97	41454	20.525	ug/l	95
51) Ethyl methacrylate	10.870	69	62573	18.756	ug/l	98
52) 1,3-Dichloropropane	11.159	76	70752	20.034	ug/l	97
53) Dibromochloromethane	11.359	129	49001	20.538	ug/l	100
54) 1,2-Dibromoethane	11.470	107	41555	19.988	ug/l	100
55) 2-Chloroethyl vinyl ether	10.159	63	155354	102.673	ug/l	99
56) Bromoform	12.576	173	31690	20.026	ug/l	97
58) 4-Methyl-2-Pentanone	10.441	43	282606	93.346	ug/l	99
59) 2-Hexanone	11.194	43	206950	91.991	ug/l	99
61) Tetrachloroethene	11.100	164	38076	20.712	ug/l	94
62) Toluene	10.629	91	192456	20.228	ug/l	100
64) Chlorobenzene	11.888	112	116908	19.746	ug/l	95
65) 1,1,1,2-Tetrachloroethane	11.959	131	42259	20.545	ug/l	99
66) Ethyl Benzene	11.965	91	203480	19.685	ug/l	100
67) m/p-Xylenes	12.070	106	161408	41.162	ug/l	97
68) o-Xylene	12.400	106	74145	19.616	ug/l	100
69) Styrene	12.412	104	129538	19.965	ug/l	98
70) Isopropylbenzene	12.694	105	189076	19.595	ug/l	96
71) 1,1,2,2-Tetrachloroethane	12.935	83	58461	19.585	ug/l	100
72) 1,2,3-Trichloropropane	12.988	75	49229m	19.257	ug/l	
73) Bromobenzene	12.976	156	46479	19.889	ug/l	99
74) n-propylbenzene	13.035	91	230203	20.020	ug/l	98
75) 2-Chlorotoluene	13.123	91	144713	20.253	ug/l	100
76) 1,3,5-Trimethylbenzene	13.170	105	165372	20.355	ug/l	100
77) t-1,4-Dichloro-2-butene	12.735	75	19356	17.719	ug/l	97
78) 4-Chlorotoluene	13.217	91	144600	19.905	ug/l	99
79) tert-butylbenzene	13.435	119	136212	19.652	ug/l	99
80) 1,2,4-Trimethylbenzene	13.482	105	165926	20.128	ug/l	99
81) sec-Butylbenzene	13.617	105	190662	19.980	ug/l	99
82) p-Isopropyltoluene	13.729	119	156911	19.536	ug/l	99
83) 1,3-Dichlorobenzene	13.729	146	89109	20.508	ug/l	99
84) 1,4-Dichlorobenzene	13.811	146	83041	19.246	ug/l	99
85) n-Butylbenzene	14.053	91	131589	18.916	ug/l	99
86) Hexachloroethane	14.329	117	30260	19.555	ug/l	98
87) 1,2-Dichlorobenzene	14.106	146	84319	20.071	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.717	75	11401	18.677	ug/l	96
89) 1,2,4-Trichlorobenzene	15.841	180	39440	18.056	ug/l	96
90) Hexachlorobutadiene	15.500	225	18669	18.475	ug/l	97
91) Naphthalene	15.641	128	113022	15.269	ug/l	99
92) 1,2,3-Trichlorobenzene	15.841	180	39440	18.056	ug/l	96

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

