

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042224\
 Data File : VN081820.D
 Acq On : 22 Apr 2024 09:40
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Quant Time: Apr 23 06:53:51 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N041024W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Apr 11 09:25:01 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John

Carlone

04/23/2024

Supervised By :Mahesh

Dadoda

04/23/2024

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

Internal Standards						
1) Bromochloromethane	7.806	128	14938	30.000	ug/l	-0.02
28) 1,4-Difluorobenzene	9.100	114	105554	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	142424	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.571	65	60691	33.072	ug/l	-0.01
Spiked Amount 30.000	Range 91 - 110		Recovery = 110.233%#			
60) 4-Bromofluorobenzene	12.847	95	86654	30.947	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 103.167%			
63) Toluene-d8	10.565	98	177310	31.036	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 103.467%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	29856	14.304	ug/l	92
3) Chloromethane	2.360	50	35832	19.787	ug/l	99
4) Vinyl Chloride	2.518	62	43536	23.380	ug/l	99
5) Bromomethane	2.965	94	36404	23.084	ug/l	85
6) Chloroethane	3.118	64	37734	25.890	ug/l	96
7) Trichlorofluoromethane	3.507	101	36840	12.050	ug/l	95
8) Diethyl Ether	3.959	74	18339	16.083	ug/l	90
9) 1,1,2-Trichlorotrifluo...	4.371	101	39795	18.973	ug/l	96
10) 1,1-Dichloroethene	4.342	96	33163	17.240	ug/l	99
11) Methyl Iodide	4.583	142	33821	15.525	ug/l	91
12) Methyl Acetate	5.024	43	33017	18.692	ug/l #	80
13) Acrolein	4.177	56	21330	91.691	ug/l #	58
14) Acrylonitrile	5.718	53	80531	91.592	ug/l	99
15) Acetone	4.424	58	16944	87.621	ug/l	93
16) Carbon Disulfide	4.712	76	95529	17.465	ug/l	98
17) Allyl chloride	5.024	41	43194	18.562	ug/l	86
18) Methylene Chloride	5.277	84	41565	18.765	ug/l #	90
19) trans-1,2-Dichloroethene	5.789	96	39233	18.599	ug/l	85
20) Diisopropyl ether	6.665	45	115376	20.826	ug/l #	88
21) 1,1-Dichloroethane	6.565	63	76809	20.795	ug/l	100
22) cis-1,2-Dichloroethene	7.489	96	49492	19.429	ug/l	98
23) tert-Butyl Alcohol	5.512	59	23698m	75.926	ug/l	
24) Methyl tert-Butyl Ether	5.789	73	110524	18.371	ug/l #	90
25) Chloroform	7.965	83	90159	21.453	ug/l	94
26) Cyclohexane	8.259	56	58938	19.904	ug/l #	88
29) 1,1-Dichloropropene	8.371	75	57030	20.551	ug/l	96
30) 2-Butanone	7.483	43	100487	94.816	ug/l #	97
31) 2,2-Dichloropropane	7.483	77	71100	20.570	ug/l #	74
32) 1,1,1-Trichloroethane	8.165	97	82108	21.468	ug/l	99
33) Carbon Tetrachloride	8.359	117	68225	19.680	ug/l #	93
34) Benzene	8.606	78	181162	20.266	ug/l	98
35) Methacrylonitrile	7.777	41	26532	22.102	ug/l	91
36) 1,2-Dichloroethane	8.671	62	65106	22.204	ug/l	96
37) Trichloroethene	9.353	130	46971	19.856	ug/l	90
38) Methylcyclohexane	9.600	83	60237	17.760	ug/l	99
39) 1,2-Dichloropropane	9.624	63	45935	22.026	ug/l	94
40) Dibromomethane	9.706	93	35098	21.128	ug/l	99
41) Bromodichloromethane	9.888	83	71478	21.100	ug/l	95
42) Vinyl Acetate	6.606	43	450554	102.052	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
43) Ethyl Acetate	7.553	43	44258	18.948	ug/l	#	81
44) Isopropyl Acetate	8.689	43	79079	20.206	ug/l		96
45) 1,4-Dioxane	9.700	88	14710	340.492	ug/l	#	90
46) Methyl methacrylate	9.683	41	34691	19.712	ug/l		87
47) n-amyl Acetate	12.494	43	69250	19.720	ug/l		96
48) t-1,3-Dichloropropene	10.835	75	70251	21.767	ug/l		99
49) cis-1,3-Dichloropropene	10.312	75	74436	21.416	ug/l	#	87
50) 1,1,2-Trichloroethane	11.012	97	46920	21.093	ug/l		95
51) Ethyl methacrylate	10.877	69	58176	18.783	ug/l		96
52) 1,3-Dichloropropane	11.165	76	77830	21.346	ug/l		100
53) Dibromochloromethane	11.359	129	56121	21.121	ug/l		99
54) 1,2-Dibromoethane	11.471	107	45741	19.894	ug/l		98
55) 2-Chloroethyl vinyl ether	10.159	63	174181	114.519	ug/l		98
56) Bromoform	12.582	173	36499	21.482	ug/l		98
58) 4-Methyl-2-Pentanone	10.441	43	247746	101.151	ug/l	#	91
59) 2-Hexanone	11.194	43	184368	100.232	ug/l		89
61) Tetrachloroethene	11.106	164	53242	20.175	ug/l	#	89
62) Toluene	10.630	91	211442	20.406	ug/l		99
64) Chlorobenzene	11.888	112	131593	20.028	ug/l		94
65) 1,1,1,2-Tetrachloroethane	11.959	131	48852	20.469	ug/l		97
66) Ethyl Benzene	11.965	91	214593	19.479	ug/l		96
67) m/p-Xylenes	12.071	106	179431	41.118	ug/l		94
68) o-Xylene	12.400	106	81896	19.769	ug/l		95
69) Styrene	12.412	104	139647	19.794	ug/l		98
70) Isopropylbenzene	12.694	105	206786	19.349	ug/l		97
71) 1,1,2,2-Tetrachloroethane	12.935	83	59824	21.429	ug/l		100
72) 1,2,3-Trichloropropane	12.994	75	54241m	20.986	ug/l		
73) Bromobenzene	12.976	156	55820	21.078	ug/l		89
74) n-propylbenzene	13.035	91	250420	19.575	ug/l		99
75) 2-Chlorotoluene	13.124	91	152349	19.989	ug/l		98
76) 1,3,5-Trimethylbenzene	13.171	105	177043	19.517	ug/l		98
77) t-1,4-Dichloro-2-butene	12.735	75	22996	21.484	ug/l		89
78) 4-Chlorotoluene	13.224	91	153113	20.255	ug/l		94
79) tert-butylbenzene	13.441	119	148459	19.237	ug/l		99
80) 1,2,4-Trimethylbenzene	13.482	105	182121	20.132	ug/l		96
81) sec-Butylbenzene	13.618	105	213547	19.187	ug/l		98
82) p-Isopropyltoluene	13.729	119	176090	18.865	ug/l		95
83) 1,3-Dichlorobenzene	13.735	146	105791	21.375	ug/l		97
84) 1,4-Dichlorobenzene	13.812	146	100591	20.996	ug/l		96
85) n-Butylbenzene	14.059	91	187403	23.835	ug/l		97
86) Hexachloroethane	14.335	117	47349	26.552	ug/l		92
87) 1,2-Dichlorobenzene	14.106	146	136158	28.902	ug/l		97
88) 1,2-Dibromo-3-Chloropr...	14.718	75	15854	26.050	ug/l		95
89) 1,2,4-Trichlorobenzene	15.841	180	69672	26.982	ug/l		97
90) Hexachlorobutadiene	15.500	225	28504	27.547	ug/l		97
91) Naphthalene	15.641	128	208636	25.132	ug/l		99
92) 1,2,3-Trichlorobenzene	15.841	180	69672	26.982	ug/l		97

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

