

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092024\
 Data File : VN084058.D
 Acq On : 20 Sep 2024 09:32
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Quant Time: Sep 20 23:20:57 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090624W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Sep 06 23:42:47 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John
 Carlone

09/23/2024
 Supervised By :Mahesh
 Dadoda

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	D
-----							05
Internal Standards							
1) Bromochloromethane	7.812	128	28392	30.000	ug/l	0.00	
28) 1,4-Difluorobenzene	9.100	114	158140	30.000	ug/l	0.00	
57) Chlorobenzene-d5	11.865	117	143298	30.000	ug/l	0.00	
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	8.583	65	80602	31.058	ug/l	0.00	
Spiked Amount	30.000	Range	91 - 110	Recovery	=	103.533%	
60) 4-Bromofluorobenzene	12.847	95	73881	29.915	ug/l	0.00	
Spiked Amount	30.000	Range	63 - 112	Recovery	=	99.700%	
63) Toluene-d8	10.565	98	206167	31.072	ug/l	0.00	
Spiked Amount	30.000	Range	91 - 112	Recovery	=	103.567%	
Target Compounds						Qvalue	
2) Dichlorodifluoromethane	2.124	85	31200	16.410	ug/l		94
3) Chloromethane	2.359	50	33516	16.966	ug/l		99
4) Vinyl Chloride	2.518	62	33467	16.479	ug/l		93
5) Bromomethane	2.959	94	22125	19.499	ug/l		99
6) Chloroethane	3.124	64	21909	16.110	ug/l		98
7) Trichlorofluoromethane	3.501	101	55440	16.283	ug/l		97
8) Diethyl Ether	3.965	74	19358	16.732	ug/l		83
9) 1,1,2-Trichlorotrifluo...	4.371	101	30549	16.703	ug/l		93
10) 1,1-Dichloroethene	4.342	96	28282	16.027	ug/l		90
11) Methyl Iodide	4.583	142	37480	15.637	ug/l		93
12) Methyl Acetate	5.024	43	41241	19.379	ug/l #		78
13) Acrolein	4.183	56	25554	82.278	ug/l		95
14) Acrylonitrile	5.718	53	84087	97.637	ug/l		91
15) Acetone	4.430	58	24605	86.126	ug/l #		63
16) Carbon Disulfide	4.712	76	81311	16.304	ug/l		98
17) Allyl chloride	5.024	41	46652	15.076	ug/l		90
18) Methylene Chloride	5.277	84	34974	18.116	ug/l		90
19) trans-1,2-Dichloroethene	5.783	96	30964	16.930	ug/l		99
20) Diisopropyl ether	6.671	45	110906	17.747	ug/l		91
21) 1,1-Dichloroethane	6.565	63	61812	17.324	ug/l		96
22) cis-1,2-Dichloroethene	7.489	96	36164	16.246	ug/l		91
23) tert-Butyl Alcohol	5.518	59	33282	105.312	ug/l #		100
24) Methyl tert-Butyl Ether	5.794	73	103198	16.457	ug/l #		85
25) Chloroform	7.965	83	65421	17.302	ug/l		99
26) Cyclohexane	8.259	56	46262	14.721	ug/l #		88
29) 1,1-Dichloropropene	8.371	75	43838	17.477	ug/l		96
30) 2-Butanone	7.483	43	121073	102.397	ug/l		94
31) 2,2-Dichloropropane	7.489	77	54503	17.043	ug/l		97
32) 1,1,1-Trichloroethane	8.171	97	58363	17.423	ug/l		97
33) Carbon Tetrachloride	8.365	117	49148	16.942	ug/l		95
34) Benzene	8.606	78	136725	18.167	ug/l		98
35) Methacrylonitrile	7.777	41	26587	20.003	ug/l		91
36) 1,2-Dichloroethane	8.671	62	53969	19.075	ug/l #		93
37) Trichloroethene	9.353	130	31351	17.739	ug/l		86
38) Methylcyclohexane	9.600	83	44852	14.936	ug/l		92
39) 1,2-Dichloropropane	9.624	63	33562	18.529	ug/l		99
40) Dibromomethane	9.712	93	24719	18.664	ug/l		94
41) Bromodichloromethane	9.888	83	53541	19.011	ug/l		99
42) Vinyl Acetate	6.606	43	417542	85.889	ug/l		94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
43) Ethyl Acetate	7.559	43	48257	20.277	ug/l	#	85
44) Isopropyl Acetate	8.688	43	84255	20.469	ug/l	#	87
45) 1,4-Dioxane	9.694	88	13789	429.492	ug/l	#	92
46) Methyl methacrylate	9.677	41	37140	18.641	ug/l		83
47) n-amyl Acetate	12.494	43	68661	18.831	ug/l		92
48) t-1,3-Dichloropropene	10.835	75	50217	16.951	ug/l		97
49) cis-1,3-Dichloropropene	10.312	75	53823	17.470	ug/l	#	82
50) 1,1,2-Trichloroethane	11.012	97	31288	18.566	ug/l		98
51) Ethyl methacrylate	10.871	69	49377	17.149	ug/l		75
52) 1,3-Dichloropropane	11.165	76	55872	18.358	ug/l		99
53) Dibromochloromethane	11.359	129	36938	18.274	ug/l		100
54) 1,2-Dibromoethane	11.471	107	32488	18.634	ug/l		100
55) 2-Chloroethyl vinyl ether	10.159	63	122181	106.481	ug/l		98
56) Bromoform	12.576	173	23545	18.334	ug/l	#	96
58) 4-Methyl-2-Pentanone	10.447	43	241251	106.177	ug/l	#	86
59) 2-Hexanone	11.194	43	180263	104.995	ug/l	#	86
61) Tetrachloroethene	11.106	164	26442	17.436	ug/l		93
62) Toluene	10.629	91	143048	17.367	ug/l		99
64) Chlorobenzene	11.888	112	87167	17.093	ug/l		95
65) 1,1,1,2-Tetrachloroethane	11.959	131	31387	17.668	ug/l		97
66) Ethyl Benzene	11.965	91	156129	16.669	ug/l		97
67) m/p-Xylenes	12.071	106	117586	34.122	ug/l		98
68) o-Xylene	12.400	106	56821	17.037	ug/l		100
69) Styrene	12.412	104	96087	17.051	ug/l		99
70) Isopropylbenzene	12.694	105	141959	16.129	ug/l		99
71) 1,1,2,2-Tetrachloroethane	12.935	83	46901	19.511	ug/l		99
72) 1,2,3-Trichloropropane	12.994	75	40386m	19.162	ug/l		
73) Bromobenzene	12.982	156	34320	16.977	ug/l		90
74) n-propylbenzene	13.035	91	171464	16.642	ug/l		99
75) 2-Chlorotoluene	13.123	91	108565	16.883	ug/l		98
76) 1,3,5-Trimethylbenzene	13.170	105	123964	16.861	ug/l		98
77) t-1,4-Dichloro-2-butene	12.735	75	15566	17.473	ug/l		85
78) 4-Chlorotoluene	13.223	91	110639	16.966	ug/l		100
79) tert-butylbenzene	13.441	119	102201	15.897	ug/l		99
80) 1,2,4-Trimethylbenzene	13.482	105	123988	16.688	ug/l		99
81) sec-Butylbenzene	13.618	105	145015	16.512	ug/l		98
82) p-Isopropyltoluene	13.729	119	118380	16.020	ug/l		97
83) 1,3-Dichlorobenzene	13.735	146	63779	16.392	ug/l		98
84) 1,4-Dichlorobenzene	13.812	146	62428	16.049	ug/l		99
85) n-Butylbenzene	14.053	91	101113	15.506	ug/l		99
86) Hexachloroethane	14.335	117	23680	16.911	ug/l		88
87) 1,2-Dichlorobenzene	14.106	146	62100	16.446	ug/l		100
88) 1,2-Dibromo-3-Chloropr...	14.717	75	9472	17.929	ug/l		91
89) 1,2,4-Trichlorobenzene	15.841	180	30176	14.587	ug/l		99
90) Hexachlorobutadiene	15.500	225	13412	15.664	ug/l		98
91) Naphthalene	15.641	128	94852	14.025	ug/l		99
92) 1,2,3-Trichlorobenzene	15.841	180	30176	14.587	ug/l		99

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

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