

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112423\
 Data File : VN080254.D
 Acq On : 24 Nov 2023 11:20
 Operator : JC\MD
 Sample : VN1124WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1124WBS01

Quant Time: Nov 27 04:03:53 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N110823W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Nov 09 04:02:05 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John
 Carlone
 11/27/2023
 Supervised By :Mahesh
 Dadoda
 11/27/2023

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

Internal Standards						
1) Bromochloromethane	7.818	128	34545	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	191147	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.870	117	172387	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.576	65	96492	33.275	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 110.933%#			
60) 4-Bromofluorobenzene	12.853	95	89872	32.601	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 108.667%			
63) Toluene-d8	10.565	98	248273	30.396	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 101.333%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	52611	23.358	ug/l	97
3) Chloromethane	2.359	50	35490	12.508	ug/l	97
4) Vinyl Chloride	2.518	62	41308	17.421	ug/l	99
5) Bromomethane	2.959	94	27672	21.315	ug/l	96
6) Chloroethane	3.124	64	26472	19.221	ug/l #	88
7) Trichlorofluoromethane	3.500	101	92608	26.024	ug/l	97
8) Diethyl Ether	3.959	74	23271	18.216	ug/l	85
9) 1,1,2-Trichlorotrifluo...	4.371	101	40512m	20.150	ug/l	
10) 1,1-Dichloroethene	4.347	96	38365	21.570	ug/l	92
11) Methyl Iodide	4.594	142	48142	20.464	ug/l	89
12) Methyl Acetate	5.024	43	62007	13.447	ug/l #	88
13) Acrolein	4.177	56	42549	109.215	ug/l	99
14) Acrylonitrile	5.718	53	80592	73.584	ug/l	100
15) Acetone	4.424	58	25255	68.290	ug/l	95
16) Carbon Disulfide	4.712	76	106614	17.555	ug/l #	94
17) Allyl chloride	5.030	41	43915m	14.130	ug/l	
18) Methylene Chloride	5.277	84	43601	18.280	ug/l #	88
19) trans-1,2-Dichloroethene	5.788	96	41695	18.913	ug/l	99
20) Diisopropyl ether	6.671	45	106620	14.680	ug/l #	91
21) 1,1-Dichloroethane	6.571	63	76578	17.664	ug/l #	93
22) cis-1,2-Dichloroethene	7.482	96	48444	18.936	ug/l	93
23) tert-Butyl Alcohol	5.524	59	26270	88.862	ug/l #	100
24) Methyl tert-Butyl Ether	5.788	73	131712	20.112	ug/l	99
25) Chloroform	7.965	83	91527	20.453	ug/l	97
26) Cyclohexane	8.265	56	51211	15.016	ug/l #	83
29) 1,1-Dichloropropene	8.371	75	61328	18.694	ug/l	99
30) 2-Butanone	7.482	43	98709	63.004	ug/l #	89
31) 2,2-Dichloropropane	7.494	77	75952	21.421	ug/l	99
32) 1,1,1-Trichloroethane	8.171	97	90822	24.251	ug/l	94
33) Carbon Tetrachloride	8.365	117	81560	24.777	ug/l	95
34) Benzene	8.606	78	176147	18.075	ug/l	96
35) Methacrylonitrile	7.782	41	21870	13.314	ug/l	91
36) 1,2-Dichloroethane	8.671	62	73468	20.831	ug/l	99
37) Trichloroethene	9.353	130	48620	20.746	ug/l	99
38) Methylcyclohexane	9.600	83	56212	18.249	ug/l	93
39) 1,2-Dichloropropane	9.623	63	40562	15.725	ug/l	98
40) Dibromomethane	9.706	93	32314	19.381	ug/l	95
41) Bromodichloromethane	9.888	83	72493	20.993	ug/l	98
42) Vinyl Acetate	6.606	43	322839m	82.959	ug/l	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.565	43	36294	12.332	ug/l	98
44) Isopropyl Acetate	8.688	43	69475	14.487	ug/l #	87
45) 1,4-Dioxane	9.700	88	12101	327.431	ug/l #	87
46) Methyl methacrylate	9.682	41	28879	12.527	ug/l	80
47) n-amyl Acetate	12.494	43	52916	13.737	ug/l	92
48) t-1,3-Dichloropropene	10.841	75	69616	19.740	ug/l	99
49) cis-1,3-Dichloropropene	10.318	75	74377	19.077	ug/l #	88
50) 1,1,2-Trichloroethane	11.018	97	41203	18.116	ug/l	89
51) Ethyl methacrylate	10.876	69	57862	17.700	ug/l	85
52) 1,3-Dichloropropane	11.165	76	73835	18.158	ug/l	100
53) Dibromochloromethane	11.359	129	52435	21.551	ug/l	99
54) 1,2-Dibromoethane	11.470	107	42663	18.681	ug/l	99
55) 2-Chloroethyl vinyl ether	10.159	63	168201	111.870	ug/l #	94
56) Bromoform	12.582	173	35958	22.553	ug/l	98
58) 4-Methyl-2-Pentanone	10.447	43	199739	69.354	ug/l #	86
59) 2-Hexanone	11.194	43	147950	67.437	ug/l #	87
61) Tetrachloroethene	11.106	164	47334	23.420	ug/l	98
62) Toluene	10.629	91	192749	19.332	ug/l	97
64) Chlorobenzene	11.894	112	116368	19.558	ug/l	95
65) 1,1,1,2-Tetrachloroethane	11.959	131	48811	22.364	ug/l	94
66) Ethyl Benzene	11.964	91	207279	19.784	ug/l	100
67) m/p-Xylenes	12.070	106	161370	41.370	ug/l	92
68) o-Xylene	12.400	106	76412	20.438	ug/l	92
69) Styrene	12.412	104	127812	20.651	ug/l	95
70) Isopropylbenzene	12.700	105	194438	20.849	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.941	83	52431	16.506	ug/l	98
72) 1,2,3-Trichloropropane	12.994	75	54939m	18.615	ug/l	
73) Bromobenzene	12.982	156	49303	21.504	ug/l	94
74) n-propylbenzene	13.035	91	223027	19.991	ug/l	98
75) 2-Chlorotoluene	13.129	91	143083	20.177	ug/l	99
76) 1,3,5-Trimethylbenzene	13.176	105	172533	22.367	ug/l	98
77) t-1,4-Dichloro-2-butene	12.741	75	17275	17.876	ug/l	86
78) 4-Chlorotoluene	13.223	91	148197	21.042	ug/l	98
79) tert-butylbenzene	13.441	119	132483	21.931	ug/l	95
80) 1,2,4-Trimethylbenzene	13.482	105	170456	22.536	ug/l	96
81) sec-Butylbenzene	13.617	105	181012	21.228	ug/l	97
82) p-Isopropyltoluene	13.729	119	153987	22.236	ug/l	97
83) 1,3-Dichlorobenzene	13.735	146	88008	21.066	ug/l	98
84) 1,4-Dichlorobenzene	13.811	146	86258	21.036	ug/l	97
85) n-Butylbenzene	14.058	91	117674	20.317	ug/l	94
86) Hexachloroethane	14.335	117	29058	21.578	ug/l	82
87) 1,2-Dichlorobenzene	14.106	146	85046	21.308	ug/l	97
88) 1,2-Dibromo-3-Chloropr...	14.723	75	12053	20.750	ug/l	93
89) 1,2,4-Trichlorobenzene	15.841	180	39659	21.448	ug/l	97
90) Hexachlorobutadiene	15.505	225	26440	29.014	ug/l	98
91) Naphthalene	15.641	128	106271	17.909	ug/l	99
92) 1,2,3-Trichlorobenzene	15.841	180	39659	21.448	ug/l	97

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

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