

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080223\
 Data File : VN078731.D
 Acq On : 02 Aug 2023 13:45
 Operator : JC\MD
 Sample : VN0802WBS02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0802WBS02

Quant Time: Aug 03 05:32:07 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080123W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Aug 02 04:51:47 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 08/03/2023
 Supervised By : Semsettin Yesilyurt 08/03/2023

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

Internal Standards						
1) Bromochloromethane	7.824	128	97624	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	531657	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.871	117	547134	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.588	65	217104	29.668	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	98.900%		
60) 4-Bromofluorobenzene	12.853	95	205217	25.028	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	83.433%		
63) Toluene-d8	10.571	98	680914	25.193	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	83.967%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.136	85	99750	16.199	ug/l	92
3) Chloromethane	2.371	50	188175	24.826	ug/l	98
4) Vinyl Chloride	2.524	62	194422	18.874	ug/l	90
5) Bromomethane	2.971	94	129617	16.833	ug/l	97
6) Chloroethane	3.130	64	122723	18.293	ug/l	97
7) Trichlorofluoromethane	3.512	101	290495	27.491	ug/l	98
8) Diethyl Ether	3.977	74	113625	32.937	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.383	101	99602	17.560	ug/l	94
10) 1,1-Dichloroethene	4.353	96	93277	17.150	ug/l	96
11) Methyl Iodide	4.600	142	146295	19.136	ug/l	93
12) Methyl Acetate	5.042	43	159274	18.055	ug/l	94
13) Acrolein	4.183	56	79730	84.871	ug/l	100
14) Acrylonitrile	5.736	53	224461	86.891	ug/l	98
15) Acetone	4.442	58	66522	88.879	ug/l	96
16) Carbon Disulfide	4.724	76	255859	16.654	ug/l	99
17) Allyl chloride	5.036	41	135951	18.307	ug/l	96
18) Methylene Chloride	5.283	84	124012	19.005	ug/l	95
19) trans-1,2-Dichloroethene	5.800	96	108016	17.177	ug/l	95
20) Diisopropyl ether	6.677	45	313543	18.752	ug/l	97
21) 1,1-Dichloroethane	6.577	63	203058	18.340	ug/l	97
22) cis-1,2-Dichloroethene	7.500	96	129472	18.333	ug/l	97
23) tert-Butyl Alcohol	5.536	59	92506	87.635	ug/l #	100
24) Methyl tert-Butyl Ether	5.812	73	336798	18.415	ug/l	98
25) Chloroform	7.971	83	224687	19.168	ug/l	86
26) Cyclohexane	8.265	56	144248	17.687	ug/l #	98
29) 1,1-Dichloropropene	8.383	75	152232	19.460	ug/l	99
30) 2-Butanone	7.494	43	297631	96.244	ug/l	96
31) 2,2-Dichloropropane	7.494	77	174801	19.473	ug/l	98
32) 1,1,1-Trichloroethane	8.177	97	196348	19.838	ug/l	100
33) Carbon Tetrachloride	8.371	117	174281	19.825	ug/l	99
34) Benzene	8.612	78	472034	20.087	ug/l	98
35) Methacrylonitrile	7.783	41	64091	18.873	ug/l	81
36) 1,2-Dichloroethane	8.677	62	172261	20.873	ug/l	100
37) Trichloroethene	9.365	130	124660	18.904	ug/l	98
38) Methylcyclohexane	9.606	83	144495	17.977	ug/l	98
39) 1,2-Dichloropropane	9.630	63	120789	19.174	ug/l	96
40) Dibromomethane	9.718	93	86849	19.919	ug/l	96
41) Bromodichloromethane	9.894	83	174068	19.969	ug/l	95
42) Vinyl Acetate	6.618	43	962180	96.776	ug/l	100

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43) Ethyl Acetate	7.571	43	130465	20.406	ug/l	96
44) Isopropyl Acetate	8.694	43	222605	19.845	ug/l	98
45) 1,4-Dioxane	9.700	88	38900	377.003	ug/l	94
46) Methyl methacrylate	9.688	41	98990	19.271	ug/l	89
47) n-amyl Acetate	12.500	43	181641	21.026	ug/l	100
48) t-1,3-Dichloropropene	10.841	75	181587	19.518	ug/l	93
49) cis-1,3-Dichloropropene	10.318	75	197499	19.987	ug/l	98
50) 1,1,2-Trichloroethane	11.024	97	120679	19.553	ug/l	98
51) Ethyl methacrylate	10.882	69	156752	18.551	ug/l	89
52) 1,3-Dichloropropane	11.171	76	198275	17.874	ug/l	98
53) Dibromochloromethane	11.365	129	133877	19.201	ug/l	99
54) 1,2-Dibromoethane	11.477	107	124464	20.083	ug/l	97
55) 2-Chloroethyl vinyl ether	10.165	63	280905	104.325	ug/l	99
56) Bromoform	12.582	173	106882	23.428	ug/l	95
58) 4-Methyl-2-Pentanone	10.453	43	647482	79.063	ug/l	99
59) 2-Hexanone	11.200	43	447624	72.189	ug/l	99
61) Tetrachloroethene	11.106	164	112549	15.643	ug/l	96
62) Toluene	10.635	91	531178	16.140	ug/l	99
64) Chlorobenzene	11.888	112	343300	17.867	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.965	131	131531	17.357	ug/l	97
66) Ethyl Benzene	11.971	91	548891	16.548	ug/l	99
67) m/p-Xylenes	12.076	106	406767	32.105	ug/l	97
68) o-Xylene	12.406	106	209658	16.263	ug/l	99
69) Styrene	12.418	104	326021	15.717	ug/l	99
70) Isopropylbenzene	12.700	105	638201	20.011	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.941	83	168498	16.264	ug/l	100
72) 1,2,3-Trichloropropane	13.000	75	132937m	15.297	ug/l	
73) Bromobenzene	12.988	156	124090	15.875	ug/l	99
74) n-propylbenzene	13.041	91	546032	15.447	ug/l	98
75) 2-Chlorotoluene	13.129	91	367011	15.034	ug/l	100
76) 1,3,5-Trimethylbenzene	13.176	105	449030	15.770	ug/l	99
77) t-1,4-Dichloro-2-butene	12.741	75	47154	15.525	ug/l	87
78) 4-Chlorotoluene	13.229	91	375059	15.912	ug/l	98
79) tert-butylbenzene	13.441	119	411701	16.799	ug/l	96
80) 1,2,4-Trimethylbenzene	13.488	105	492221	18.100	ug/l	100
81) sec-Butylbenzene	13.623	105	506202	16.114	ug/l	99
82) p-Isopropyltoluene	13.735	119	408388	15.835	ug/l	98
83) 1,3-Dichlorobenzene	13.735	146	220519	15.908	ug/l	99
84) 1,4-Dichlorobenzene	13.818	146	215150	16.578	ug/l	99
85) n-Butylbenzene	14.059	91	282426	15.792	ug/l	99
86) Hexachloroethane	14.335	117	80583	17.150	ug/l	97
87) 1,2-Dichlorobenzene	14.112	146	222868	17.178	ug/l	97
88) 1,2-Dibromo-3-Chloropr...	14.723	75	25452	14.467	ug/l	96
89) 1,2,4-Trichlorobenzene	15.394	180	46146	12.467	ug/l	93
90) Hexachlorobutadiene	15.506	225	42569	15.096	ug/l	98
91) Naphthalene	15.647	128	130397	11.629	ug/l	98
92) 1,2,3-Trichlorobenzene	15.841	180	60193	14.289	ug/l	98

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

