

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091324\
 Data File : VN083871.D
 Acq On : 13 Sep 2024 15:34
 Operator : JC\MD
 Sample : VN0913WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0913WBSD01

Manual Integrations
 APPROVED

Reviewed By :John Carlone 09/14/2024
 Supervised By :Semsettin Yesilyurt 09/16/2024

Quant Time: Sep 13 23:52:07 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

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

Internal Standards						
1) Bromochloromethane	7.812	128	24994	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	138597	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	126954	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	68119	29.816	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	99.400%		
60) 4-Bromofluorobenzene	12.847	95	65824	30.084	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	100.267%		
63) Toluene-d8	10.565	98	177639	30.219	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	100.733%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.130	85	31722	18.952	ug/l	93
3) Chloromethane	2.359	50	32410	18.636	ug/l	99
4) Vinyl Chloride	2.518	62	33185	18.562	ug/l	93
5) Bromomethane	2.959	94	21660	21.684	ug/l	97
6) Chloroethane	3.118	64	22145	18.497	ug/l	98
7) Trichlorofluoromethane	3.501	101	54246	18.098	ug/l	91
8) Diethyl Ether	3.965	74	18449	18.114	ug/l	81
9) 1,1,2-Trichlorotrifluo...	4.371	101	29106	18.078	ug/l	85
10) 1,1-Dichloroethene	4.342	96	27973	18.007	ug/l #	80
11) Methyl Iodide	4.595	142	37559	17.800	ug/l	99
12) Methyl Acetate	5.030	43	36804	19.645	ug/l #	78
13) Acrolein	4.183	56	29662	108.489	ug/l	99
14) Acrylonitrile	5.718	53	75999	100.243	ug/l	98
15) Acetone	4.436	58	23532m	93.569	ug/l	
16) Carbon Disulfide	4.718	76	75209	17.131	ug/l	99
17) Allyl chloride	5.018	41	46170	16.949	ug/l	84
18) Methylene Chloride	5.271	84	31297	18.415	ug/l	90
19) trans-1,2-Dichloroethene	5.789	96	28528	17.719	ug/l	97
20) Diisopropyl ether	6.671	45	102176	18.573	ug/l	93
21) 1,1-Dichloroethane	6.571	63	57958	18.452	ug/l	97
22) cis-1,2-Dichloroethene	7.489	96	35727	18.232	ug/l	93
23) tert-Butyl Alcohol	5.524	59	32519	116.887	ug/l #	100
24) Methyl tert-Butyl Ether	5.800	73	102447	18.558	ug/l #	85
25) Chloroform	7.971	83	61607	18.508	ug/l	98
26) Cyclohexane	8.259	56	49066	17.736	ug/l #	86
29) 1,1-Dichloropropene	8.371	75	42233	19.211	ug/l	97
30) 2-Butanone	7.483	43	116158	112.092	ug/l	95
31) 2,2-Dichloropropane	7.489	77	52714	18.808	ug/l	96
32) 1,1,1-Trichloroethane	8.165	97	56784	19.342	ug/l	98
33) Carbon Tetrachloride	8.359	117	48975	19.263	ug/l #	85
34) Benzene	8.606	78	125288	18.995	ug/l	99
35) Methacrylonitrile	7.777	41	24742	21.239	ug/l	93
36) 1,2-Dichloroethane	8.671	62	50189	20.240	ug/l #	94
37) Trichloroethene	9.353	130	30767	19.864	ug/l	97
38) Methylcyclohexane	9.600	83	46945	17.837	ug/l	95
39) 1,2-Dichloropropane	9.618	63	31088	19.583	ug/l	95
40) Dibromomethane	9.712	93	23302	20.075	ug/l	92
41) Bromodichloromethane	9.888	83	47763	19.351	ug/l	92
42) Vinyl Acetate	6.600	43	398593	93.553	ug/l	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091324\
 Data File : VN083871.D
 Acq On : 13 Sep 2024 15:34
 Operator : JC\MD
 Sample : VN0913WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0913WBSD01

Manual Integrations
 APPROVED

Reviewed By :John Carlone 09/14/2024
 Supervised By :Semsettin Yesilyurt 09/16/2024

Quant Time: Sep 13 23:52:07 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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.565	43	44162	21.173	ug/l	96
44) Isopropyl Acetate	8.688	43	77663	21.528	ug/l #	88
45) 1,4-Dioxane	9.694	88	13157	467.592	ug/l #	94
46) Methyl methacrylate	9.682	41	37516	21.485	ug/l	81
47) n-amyl Acetate	12.494	43	67561	21.142	ug/l	90
48) t-1,3-Dichloropropene	10.835	75	48036	18.502	ug/l	96
49) cis-1,3-Dichloropropene	10.312	75	50547	18.720	ug/l #	84
50) 1,1,2-Trichloroethane	11.018	97	30779	20.839	ug/l	97
51) Ethyl methacrylate	10.871	69	48811	19.343	ug/l	74
52) 1,3-Dichloropropane	11.165	76	53364	20.007	ug/l	99
53) Dibromochloromethane	11.359	129	35113	19.820	ug/l	99
54) 1,2-Dibromoethane	11.471	107	31124	20.369	ug/l	99
55) 2-Chloroethyl vinyl ether	10.159	63	103028	102.450	ug/l	97
56) Bromoform	12.576	173	21667	19.251	ug/l	97
58) 4-Methyl-2-Pentanone	10.447	43	226838	112.686	ug/l #	88
59) 2-Hexanone	11.194	43	170870	112.336	ug/l	87
61) Tetrachloroethene	11.100	164	26064	19.399	ug/l	89
62) Toluene	10.629	91	140402	19.241	ug/l	97
64) Chlorobenzene	11.888	112	84732	18.755	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.965	131	30314	19.261	ug/l	99
66) Ethyl Benzene	11.965	91	153103	18.450	ug/l	99
67) m/p-Xylenes	12.071	106	112726	36.923	ug/l	97
68) o-Xylene	12.400	106	55519	18.790	ug/l	97
69) Styrene	12.412	104	92249	18.477	ug/l	97
70) Isopropylbenzene	12.694	105	144324	18.509	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.935	83	42852	20.121	ug/l	99
72) 1,2,3-Trichloropropane	12.994	75	38250m	20.485	ug/l	
73) Bromobenzene	12.982	156	33693	18.812	ug/l	94
74) n-propylbenzene	13.035	91	167530	18.353	ug/l	100
75) 2-Chlorotoluene	13.123	91	105534	18.524	ug/l	99
76) 1,3,5-Trimethylbenzene	13.170	105	121174	18.603	ug/l	97
77) t-1,4-Dichloro-2-butene	12.735	75	14650	18.562	ug/l	79
78) 4-Chlorotoluene	13.223	91	106974	18.516	ug/l	99
79) tert-butylbenzene	13.435	119	104476	18.343	ug/l	99
80) 1,2,4-Trimethylbenzene	13.482	105	122120	18.553	ug/l	99
81) sec-Butylbenzene	13.618	105	142490	18.313	ug/l	99
82) p-Isopropyltoluene	13.729	119	117108	17.889	ug/l	97
83) 1,3-Dichlorobenzene	13.735	146	60648	17.594	ug/l	100
84) 1,4-Dichlorobenzene	13.812	146	60998	17.700	ug/l	99
85) n-Butylbenzene	14.059	91	102092	17.672	ug/l	97
86) Hexachloroethane	14.335	117	22090	17.806	ug/l	87
87) 1,2-Dichlorobenzene	14.106	146	58766	17.566	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.717	75	9424	20.135	ug/l	90
89) 1,2,4-Trichlorobenzene	15.841	180	30504	16.644	ug/l	97
90) Hexachlorobutadiene	15.500	225	14380	18.956	ug/l	96
91) Naphthalene	15.641	128	101125	16.877	ug/l	99
92) 1,2,3-Trichlorobenzene	15.841	180	30504	16.644	ug/l	97

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091324\
 Data File : VN083871.D
 Acq On : 13 Sep 2024 15:34
 Operator : JC\MD
 Sample : VN0913WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0913WBSD01

Manual Integrations APPROVED

Reviewed By : John Carlone 09/14/2024
 Supervised By : Semsettin Yesilyurt 09/16/2024

Quant Time: Sep 13 23:52:07 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

