

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101723\
 Data File : VN079579.D
 Acq On : 17 Oct 2023 14:01
 Operator : JC\MD
 Sample : VN1017WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1017WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/18/2023
 Supervised By : Mahesh Dadoda 10/20/2023

Quant Time: Oct 18 02:28:42 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N101723W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Oct 18 02:19:15 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.818	128	26507	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	202465	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.871	117	240546	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.582	65	111050	29.466	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	98.233%		
60) 4-Bromofluorobenzene	12.853	95	134498	30.575	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	101.933%		
63) Toluene-d8	10.571	98	312484	30.316	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	101.067%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.130	85	75904	19.746	ug/l	94
3) Chloromethane	2.365	50	92842	18.635	ug/l	99
4) Vinyl Chloride	2.518	62	102917	19.140	ug/l	97
5) Bromomethane	2.959	94	60942	18.279	ug/l	98
6) Chloroethane	3.124	64	69377	18.331	ug/l	97
7) Trichlorofluoromethane	3.500	101	129394	19.721	ug/l	99
8) Diethyl Ether	3.965	74	47629	20.029	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.383	101	73113m	19.476	ug/l	
10) 1,1-Dichloroethene	4.342	96	70199	19.655	ug/l	94
11) Methyl Iodide	4.589	142	78501	19.852	ug/l	94
12) Methyl Acetate	5.030	43	160163	18.602	ug/l	98
13) Acrolein	4.183	56	62228	87.431	ug/l	96
14) Acrylonitrile	5.724	53	203357	98.626	ug/l	97
15) Acetone	4.430	58	63871	97.786	ug/l	94
16) Carbon Disulfide	4.712	76	207147	19.020	ug/l	98
17) Allyl chloride	5.030	41	107170	19.462	ug/l	97
18) Methylene Chloride	5.283	84	83653	19.029	ug/l	98
19) trans-1,2-Dichloroethene	5.789	96	79027	19.778	ug/l	99
20) Diisopropyl ether	6.677	45	256991	19.682	ug/l	97
21) 1,1-Dichloroethane	6.571	63	155277	19.570	ug/l	99
22) cis-1,2-Dichloroethene	7.494	96	92486	20.096	ug/l	94
23) tert-Butyl Alcohol	5.530	59	62300	90.357	ug/l #	100
24) Methyl tert-Butyl Ether	5.800	73	235030	19.612	ug/l	99
25) Chloroform	7.977	83	159036	19.837	ug/l	100
26) Cyclohexane	8.259	56	119569	19.936	ug/l #	98
29) 1,1-Dichloropropene	8.377	75	116651	19.716	ug/l	98
30) 2-Butanone	7.488	43	285030	96.105	ug/l	99
31) 2,2-Dichloropropane	7.494	77	126959	19.031	ug/l	99
32) 1,1,1-Trichloroethane	8.171	97	131830	18.746	ug/l	98
33) Carbon Tetrachloride	8.365	117	113861	19.037	ug/l	99
34) Benzene	8.612	78	348754	19.400	ug/l	97
35) Methacrylonitrile	7.783	41	56101	17.982	ug/l	92
36) 1,2-Dichloroethane	8.677	62	124468	19.392	ug/l	99
37) Trichloroethene	9.359	130	79059	18.815	ug/l	100
38) Methylcyclohexane	9.606	83	109527	19.226	ug/l	99
39) 1,2-Dichloropropane	9.624	63	90426	19.061	ug/l	97
40) Dibromomethane	9.712	93	60547	19.448	ug/l	98
41) Bromodichloromethane	9.888	83	123438	19.132	ug/l	100
42) Vinyl Acetate	6.606	43	738092	98.105	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101723\
 Data File : VN079579.D
 Acq On : 17 Oct 2023 14:01
 Operator : JC\MD
 Sample : VN1017WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1017WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/18/2023
 Supervised By : Mahesh Dadoda 10/20/2023

Quant Time: Oct 18 02:28:42 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N101723W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Oct 18 02:19:15 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.565	43	113244	20.306	ug/l	95
44) Isopropyl Acetate	8.694	43	185432	18.704	ug/l	97
45) 1,4-Dioxane	9.700	88	28270	364.292	ug/l #	92
46) Methyl methacrylate	9.688	41	83217	18.921	ug/l	94
47) n-amyl Acetate	12.500	43	137541	19.223	ug/l	99
48) t-1,3-Dichloropropene	10.841	75	127342	19.524	ug/l	98
49) cis-1,3-Dichloropropene	10.318	75	140567	19.709	ug/l	94
50) 1,1,2-Trichloroethane	11.024	97	84850	19.646	ug/l	95
51) Ethyl methacrylate	10.876	69	116392	19.533	ug/l	95
52) 1,3-Dichloropropane	11.165	76	145967	19.077	ug/l	99
53) Dibromochloromethane	11.365	129	86958	19.700	ug/l	99
54) 1,2-Dibromoethane	11.471	107	80455	18.882	ug/l	97
55) 2-Chloroethyl vinyl ether	10.165	63	181088	79.651	ug/l	98
56) Bromoform	12.582	173	54730	18.742	ug/l	98
58) 4-Methyl-2-Pentanone	10.447	43	564903	100.684	ug/l	99
59) 2-Hexanone	11.200	43	408843	99.327	ug/l	99
61) Tetrachloroethene	11.112	164	67087	20.313	ug/l	97
62) Toluene	10.635	91	370807	20.170	ug/l	100
64) Chlorobenzene	11.894	112	213896	20.061	ug/l	96
65) 1,1,1,2-Tetrachloroethane	11.965	131	79490	19.571	ug/l	96
66) Ethyl Benzene	11.971	91	390588	20.621	ug/l	99
67) m/p-Xylenes	12.076	106	290507	41.466	ug/l	94
68) o-Xylene	12.400	106	138889	20.738	ug/l	99
69) Styrene	12.418	104	224334	21.099	ug/l	98
70) Isopropylbenzene	12.700	105	358845	20.878	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.941	83	121265	19.842	ug/l	100
72) 1,2,3-Trichloropropane	12.994	75	104666m	18.859	ug/l	
73) Bromobenzene	12.988	156	81466	20.177	ug/l	100
74) n-propylbenzene	13.041	91	421277	21.053	ug/l	99
75) 2-Chlorotoluene	13.129	91	257672	20.713	ug/l	99
76) 1,3,5-Trimethylbenzene	13.176	105	292875	20.844	ug/l	98
77) t-1,4-Dichloro-2-butene	12.741	75	34994	20.659	ug/l	96
78) 4-Chlorotoluene	13.223	91	245452	20.883	ug/l	99
79) tert-butylbenzene	13.441	119	231169	20.463	ug/l	99
80) 1,2,4-Trimethylbenzene	13.488	105	291421	21.405	ug/l	98
81) sec-Butylbenzene	13.623	105	333384	21.021	ug/l	100
82) p-Isopropyltoluene	13.735	119	266323	21.170	ug/l	99
83) 1,3-Dichlorobenzene	13.735	146	141150	21.260	ug/l	99
84) 1,4-Dichlorobenzene	13.817	146	133273	20.938	ug/l	98
85) n-Butylbenzene	14.059	91	204290	20.784	ug/l	97
86) Hexachloroethane	14.335	117	53449	19.653	ug/l	99
87) 1,2-Dichlorobenzene	14.112	146	134389	20.364	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.723	75	18209	19.554	ug/l	99
89) 1,2,4-Trichlorobenzene	15.847	180	44573	19.163	ug/l	96
90) Hexachlorobutadiene	15.506	225	32374	19.649	ug/l	97
91) Naphthalene	15.647	128	105218	17.536	ug/l	99
92) 1,2,3-Trichlorobenzene	15.847	180	44573	19.163	ug/l	96

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101723\
Data File : VN079579.D
Acq On : 17 Oct 2023 14:01
Operator : JC\MD
Sample : VN1017WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1017WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/18/2023
Supervised By :Mahesh Dadoda 10/20/2023

Quant Time: Oct 18 02:28:42 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N101723W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Oct 18 02:19:15 2023
Response via : Initial Calibration

