

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111021\
 Data File : VN069446.D
 Acq On : 10 Nov 2021 17:54
 Operator : JC/MD
 Sample : VN1110WBSD01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1110WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/11/2021
 Supervised By : Semsettin Yesilyurt 11/16/2021

Quant Time: Nov 11 03:14:14 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N111021W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Nov 10 14:36:17 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.659	128	165264	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.968	114	950696	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.747	117	879510	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.437	65	447280	31.206	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 104.033%			
60) 4-Bromofluorobenzene	12.734	95	410626	29.175	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 97.233%			
63) Toluene-d8	10.443	98	1225912	30.188	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 100.633%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.075	85	276594	22.649	ug/l	99
3) Chloromethane	2.306	50	287220	22.558	ug/l	96
4) Vinyl Chloride	2.448	62	283611	21.967	ug/l	99
5) Bromomethane	2.861	94	183605	22.205	ug/l	98
6) Chloroethane	3.025	64	181147	22.238	ug/l	99
7) Trichlorofluoromethane	3.379	101	422869	22.346	ug/l	99
8) Diethyl Ether	3.824	74	139655	23.380	ug/l	84
9) 1,1,2-Trichlorotrifluo...	4.208	101	194647	22.229	ug/l	72
10) 1,1-Dichloroethene	4.178	96	174677	21.150	ug/l	91
11) Methyl Iodide	4.419	142	239989	20.856	ug/l	96
12) Methyl Acetate	4.859	43	532179m	22.375	ug/l	
13) Acrolein	4.044	56	57361	87.715	ug/l	99
14) Acrylonitrile	5.557	53	713519	109.958	ug/l	99
15) Acetone	4.291	58	211413	97.776	ug/l	84
16) Carbon Disulfide	4.529	76	424932	20.584	ug/l	96
17) Allyl chloride	4.843	41	378370	21.555	ug/l	90
18) Methylene Chloride	5.093	84	226923	21.568	ug/l #	84
19) trans-1,2-Dichloroethene	5.599	96	197151	21.754	ug/l #	82
20) Diisopropyl ether	6.501	45	841194	22.365	ug/l	96
21) 1,1-Dichloroethane	6.388	63	420628	22.043	ug/l	99
22) cis-1,2-Dichloroethene	7.327	96	244459	21.748	ug/l	93
23) tert-Butyl Alcohol	5.385	59	230142	101.907	ug/l #	100
24) Methyl tert-Butyl Ether	5.621	73	752820	22.745	ug/l	96
25) Chloroform	7.820	83	435322	22.064	ug/l	100
26) Cyclohexane	8.096	56	390996	21.582	ug/l #	89
29) 1,1-Dichloropropene	8.222	75	311925	21.494	ug/l	96
30) 2-Butanone	7.340	43	1088197	103.594	ug/l	92
31) 2,2-Dichloropropane	7.327	77	313817	20.454	ug/l	98
32) 1,1,1-Trichloroethane	8.016	97	353695	20.877	ug/l	96
33) Carbon Tetrachloride	8.209	117	286415	20.469	ug/l	98
34) Benzene	8.461	78	951933	21.570	ug/l #	94
35) Methacrylonitrile	7.638	41	214422	22.256	ug/l	88
36) 1,2-Dichloroethane	8.531	62	383048	22.513	ug/l	98
37) Trichloroethene	9.217	130	227515	21.339	ug/l	96
38) Methylcyclohexane	9.462	83	390103	21.727	ug/l	91
39) 1,2-Dichloropropane	9.491	63	254964	21.813	ug/l	97
40) Dibromomethane	9.580	93	173457	22.158	ug/l	97
41) Bromodichloromethane	9.762	83	309510	21.065	ug/l	96
42) Vinyl Acetate	6.436	43	3264374m	109.964	ug/l	

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111021\
 Data File : VN069446.D
 Acq On : 10 Nov 2021 17:54
 Operator : JC/MD
 Sample : VN1110WBSD01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1110WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/11/2021
 Supervised By : Semsettin Yesilyurt 11/16/2021

Quant Time: Nov 11 03:14:14 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N111021W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Nov 10 14:36:17 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.418	43	402086	20.655	ug/l	98
44) Isopropyl Acetate	8.563	43	668491	22.026	ug/l	94
45) 1,4-Dioxane	9.574	88	100887	409.504	ug/l	88
46) Methyl methacrylate	9.561	41	301361	21.560	ug/l	83
47) n-amyl Acetate	12.390	43	474059	20.341	ug/l	99
48) t-1,3-Dichloropropene	10.722	75	321180	20.369	ug/l	99
49) cis-1,3-Dichloropropene	10.191	75	357132	20.814	ug/l	95
50) 1,1,2-Trichloroethane	10.899	97	243533	21.908	ug/l	97
51) Ethyl methacrylate	10.762	69	389783	20.914	ug/l	93
52) 1,3-Dichloropropane	11.047	76	425089	22.138	ug/l	99
53) Dibromochloromethane	11.240	129	215179	20.257	ug/l	99
54) 1,2-Dibromoethane	11.347	107	246761	21.434	ug/l	97
55) 2-Chloroethyl vinyl ether	10.044	63	363645	85.779	ug/l	96
56) Bromoform	12.460	173	141993	18.641	ug/l #	99
58) 4-Methyl-2-Pentanone	10.333	43	2166860	112.238	ug/l	94
59) 2-Hexanone	11.087	43	1540923	104.929	ug/l	96
61) Tetrachloroethene	10.977	164	204623	21.677	ug/l	96
62) Toluene	10.507	91	1057244	21.875	ug/l	99
64) Chlorobenzene	11.771	112	616651	21.266	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.843	131	219172	21.470	ug/l	99
66) Ethyl Benzene	11.846	91	1161245	21.707	ug/l	100
67) m/p-Xylenes	11.956	106	861259	43.346	ug/l	96
68) o-Xylene	12.283	106	422428	21.233	ug/l	95
69) Styrene	12.296	104	688291	21.340	ug/l	98
70) Isopropylbenzene	12.581	105	1116208	21.454	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.827	83	382130	22.258	ug/l	97
72) 1,2,3-Trichloropropane	12.881	75	316928m	18.950	ug/l	
73) Bromobenzene	12.862	156	258558	21.558	ug/l	95
74) n-propylbenzene	12.921	91	1285696	21.517	ug/l	99
75) 2-Chlorotoluene	13.010	91	775020	21.307	ug/l	97
76) 1,3,5-Trimethylbenzene	13.061	105	922429	21.601	ug/l	99
77) t-1,4-Dichloro-2-butene	12.626	75	85982	19.045	ug/l	80
78) 4-Chlorotoluene	13.106	91	736790	21.151	ug/l	95
79) tert-butylbenzene	13.324	119	790969	21.056	ug/l	100
80) 1,2,4-Trimethylbenzene	13.369	105	908732m	21.814	ug/l	
81) sec-Butylbenzene	13.503	105	1118418	21.279	ug/l	99
82) p-Isopropyltoluene	13.619	119	889231	21.204	ug/l	100
83) 1,3-Dichlorobenzene	13.616	146	444568	21.680	ug/l	99
84) 1,4-Dichlorobenzene	13.696	146	425096	21.369	ug/l	98
85) n-Butylbenzene	13.943	91	711576	20.330	ug/l	99
86) Hexachloroethane	14.211	117	134865	19.431	ug/l	92
87) 1,2-Dichlorobenzene	13.991	146	435240	21.992	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.606	75	60530	20.140	ug/l	99
89) 1,2,4-Trichlorobenzene	15.265	180	190907	20.119	ug/l	98
90) Hexachlorobutadiene	15.373	225	110470	21.528	ug/l	99
91) Naphthalene	15.509	128	530371	19.402	ug/l	99
92) 1,2,3-Trichlorobenzene	15.702	180	190022	20.370	ug/l	99

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111021\
 Data File : VN069446.D
 Acq On : 10 Nov 2021 17:54
 Operator : JC/MD
 Sample : VN1110WBSD01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1110WBSD01

Manual Integrations APPROVED

Reviewed By : John Carlone 11/11/2021
 Supervised By : Semsettin Yesilyurt 11/16/2021

Quant Time: Nov 11 03:14:14 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N111021W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Nov 10 14:36:17 2021
 Response via : Initial Calibration

