

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101322\
 Data File : VN074896.D
 Acq On : 13 Oct 2022 15:40
 Operator : JC\MD
 Sample : VN1013WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1013WBSD01

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

Quant Time: Oct 14 05:05:40 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N101222W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Oct 13 07:52:24 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.830	128	71410	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	414301	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.871	117	381925	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.588	65	211597	31.650	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	105.500%
60) 4-Bromofluorobenzene	12.853	95	195312	28.837	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	96.133%
63) Toluene-d8	10.571	98	656820	29.798	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	99.333%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.148	85	77760	19.609	ug/l	94
3) Chloromethane	2.383	50	127972	19.954	ug/l	99
4) Vinyl Chloride	2.536	62	178550	18.906	ug/l	89
5) Bromomethane	2.948	94	146361	19.547	ug/l	92
6) Chloroethane	3.130	64	145892	20.599	ug/l	97
7) Trichlorofluoromethane	3.506	101	142479	20.238	ug/l	87
8) Diethyl Ether	3.983	74	65956	20.090	ug/l	88
9) 1,1,2-Trichlorotrifluo...	4.389	101	83661	18.883	ug/l	90
10) 1,1-Dichloroethene	4.365	96	85500	19.619	ug/l	90
11) Methyl Iodide	4.618	142	100251	18.428	ug/l	96
12) Methyl Acetate	5.047	43	208400	19.840	ug/l	98
13) Acrolein	4.206	56	145004m	97.701	ug/l	
14) Acrylonitrile	5.747	53	393149	100.353	ug/l	99
15) Acetone	4.453	58	103712	96.590	ug/l	82
16) Carbon Disulfide	4.736	76	206631	18.456	ug/l #	93
17) Allyl chloride	5.042	41	181568m	20.926	ug/l	
18) Methylene Chloride	5.295	84	116678	20.647	ug/l	95
19) trans-1,2-Dichloroethene	5.806	96	94932	19.844	ug/l	92
20) Diisopropyl ether	6.689	45	398080	19.653	ug/l	94
21) 1,1-Dichloroethane	6.583	63	212920	20.662	ug/l	99
22) cis-1,2-Dichloroethene	7.506	96	120162	20.058	ug/l	98
23) tert-Butyl Alcohol	5.547	59	163374	98.969	ug/l #	100
24) Methyl tert-Butyl Ether	5.818	73	368864	20.266	ug/l #	81
25) Chloroform	7.971	83	204023	19.938	ug/l	99
26) Cyclohexane	8.259	56	173703	19.190	ug/l #	99
29) 1,1-Dichloropropene	8.377	75	140001	18.728	ug/l	81
30) 2-Butanone	7.494	43	578917	97.062	ug/l	98
31) 2,2-Dichloropropane	7.506	77	166517	18.198	ug/l	99
32) 1,1,1-Trichloroethane	8.183	97	165373	18.447	ug/l	95
33) Carbon Tetrachloride	8.365	117	134588	18.281	ug/l #	96
34) Benzene	8.612	78	467992	18.940	ug/l #	90
35) Methacrylonitrile	7.788	41	113411	18.501	ug/l	93
36) 1,2-Dichloroethane	8.677	62	158857	19.305	ug/l	99
37) Trichloroethene	9.359	130	98174m	19.104	ug/l	
38) Methylcyclohexane	9.606	83	172131	18.954	ug/l	99
39) 1,2-Dichloropropane	9.624	63	133730	20.877	ug/l	98
40) Dibromomethane	9.718	93	85535	20.151	ug/l	94
41) Bromodichloromethane	9.894	83	160795	19.451	ug/l	96
42) Vinyl Acetate	6.624	43	1802931m	101.477	ug/l	

10/14/2022
 Supervised By :Mahesh
 adoda

10/14/2022

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101322\
 Data File : VN074896.D
 Acq On : 13 Oct 2022 15:40
 Operator : JC\MD
 Sample : VN1013WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1013WBSD01

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

Quant Time: Oct 14 05:05:40 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N101222W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Oct 13 07:52:24 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.577	43	192595	16.608	ug/l	99
44) Isopropyl Acetate	8.694	43	359962	20.073	ug/l	97
45) 1,4-Dioxane	9.700	88	61750	375.522	ug/l	97
46) Methyl methacrylate	9.688	41	132258	17.029	ug/l	92
47) n-amyl Acetate	12.500	43	303910	19.369	ug/l	98
48) t-1,3-Dichloropropene	10.841	75	173186	18.260	ug/l	98
49) cis-1,3-Dichloropropene	10.318	75	193705	19.260	ug/l	91
50) 1,1,2-Trichloroethane	11.018	97	122720	19.646	ug/l	90
51) Ethyl methacrylate	10.877	69	203045	19.116	ug/l	94
52) 1,3-Dichloropropane	11.165	76	211899	19.654	ug/l	100
53) Dibromochloromethane	11.359	129	114620	18.729	ug/l	96
54) 1,2-Dibromoethane	11.471	107	120214	20.031	ug/l	99
55) 2-Chloroethyl vinyl ether	10.165	63	408157	98.237	ug/l	99
56) Bromoform	12.582	173	77800	17.642	ug/l	100
58) 4-Methyl-2-Pentanone	10.447	43	1177536	99.136	ug/l	98
59) 2-Hexanone	11.200	43	870552	95.233	ug/l	98
61) Tetrachloroethene	11.106	164	78635	19.313	ug/l	90
62) Toluene	10.635	91	491251	18.618	ug/l	100
64) Chlorobenzene	11.894	112	287052	19.139	ug/l	92
65) 1,1,1,2-Tetrachloroethane	11.965	131	108939	19.284	ug/l	100
66) Ethyl Benzene	11.965	91	549889	19.165	ug/l	97
67) m/p-Xylenes	12.076	106	414237	38.430	ug/l	98
68) o-Xylene	12.400	106	203830	18.603	ug/l	99
69) Styrene	12.412	104	334437	18.649	ug/l	99
70) Isopropylbenzene	12.700	105	521345	18.449	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.941	83	212750	20.126	ug/l	99
72) 1,2,3-Trichloropropane	12.994	75	177154m	19.948	ug/l	
73) Bromobenzene	12.982	156	115392	19.486	ug/l	93
74) n-propylbenzene	13.041	91	617402	18.739	ug/l	97
75) 2-Chlorotoluene	13.129	91	356316	18.487	ug/l	99
76) 1,3,5-Trimethylbenzene	13.176	105	435716	18.974	ug/l	97
77) t-1,4-Dichloro-2-butene	12.741	75	63257	17.144	ug/l	92
78) 4-Chlorotoluene	13.223	91	333417	18.127	ug/l	97
79) tert-butylbenzene	13.441	119	368509	18.040	ug/l	98
80) 1,2,4-Trimethylbenzene	13.482	105	436847	18.906	ug/l	96
81) sec-Butylbenzene	13.618	105	541823	18.456	ug/l	96
82) p-Isopropyltoluene	13.729	119	426234	18.273	ug/l	98
83) 1,3-Dichlorobenzene	13.735	146	203963	17.652	ug/l	98
84) 1,4-Dichlorobenzene	13.812	146	198789	17.911	ug/l	98
85) n-Butylbenzene	14.059	91	370476	17.993	ug/l	99
86) Hexachloroethane	14.335	117	84227	18.437	ug/l	93
87) 1,2-Dichlorobenzene	14.106	146	217854	18.989	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.729	75	37593	17.621	ug/l	96
89) 1,2,4-Trichlorobenzene	15.394	180	101957	19.459	ug/l	93
90) Hexachlorobutadiene	15.512	225	46794	18.317	ug/l	93
91) Naphthalene	15.641	128	389375	18.728	ug/l	98
92) 1,2,3-Trichlorobenzene	15.841	180	97138	17.722	ug/l	90

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

