

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101322\
 Data File : VN074895.D
 Acq On : 13 Oct 2022 15:06
 Operator : JC\MD
 Sample : VN1013WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1013WBS01

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

Quant Time: Oct 14 05:05:18 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	7.824	128	74719	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	428983	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.871	117	399411	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.588	65	219034	31.312	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	104.367%
60) 4-Bromofluorobenzene	12.853	95	203210	28.690	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	95.633%
63) Toluene-d8	10.571	98	700204	30.375	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	101.267%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.148	85	84476	20.359	ug/l	93
3) Chloromethane	2.383	50	137502	20.491	ug/l	98
4) Vinyl Chloride	2.536	62	193232	19.555	ug/l	98
5) Bromomethane	2.942	94	160190	20.446	ug/l	82
6) Chloroethane	3.118	64	128348	17.319	ug/l	98
7) Trichlorofluoromethane	3.512	101	151752	20.600	ug/l	87
8) Diethyl Ether	3.983	74	67346	19.605	ug/l	92
9) 1,1,2-Trichlorotrifluo...	4.389	101	91773	19.797	ug/l	97
10) 1,1-Dichloroethene	4.359	96	91789	20.130	ug/l	95
11) Methyl Iodide	4.606	142	108346m	19.034	ug/l	
12) Methyl Acetate	5.047	43	200373	18.231	ug/l #	85
13) Acrolein	4.200	56	142557	91.798	ug/l	99
14) Acrylonitrile	5.742	53	384560	93.813	ug/l	98
15) Acetone	4.453	58	111047	98.842	ug/l	94
16) Carbon Disulfide	4.724	76	225067	19.212	ug/l	99
17) Allyl chloride	5.047	41	158456	17.454	ug/l	92
18) Methylene Chloride	5.300	84	123821	20.941	ug/l	94
19) trans-1,2-Dichloroethene	5.812	96	96863m	19.351	ug/l	
20) Diisopropyl ether	6.694	45	422452	19.933	ug/l	93
21) 1,1-Dichloroethane	6.577	63	220778	20.475	ug/l	97
22) cis-1,2-Dichloroethene	7.500	96	128405	20.485	ug/l	97
23) tert-Butyl Alcohol	5.547	59	155832	90.219	ug/l #	100
24) Methyl tert-Butyl Ether	5.818	73	375943	19.740	ug/l	99
25) Chloroform	7.977	83	208266	19.451	ug/l	98
26) Cyclohexane	8.265	56	186224	19.662	ug/l #	99
29) 1,1-Dichloropropene	8.377	75	152270	19.672	ug/l	96
30) 2-Butanone	7.494	43	553849	89.681	ug/l #	97
31) 2,2-Dichloropropane	7.494	77	184555	19.479	ug/l #	57
32) 1,1,1-Trichloroethane	8.183	97	177561	19.129	ug/l	97
33) Carbon Tetrachloride	8.365	117	145008	19.023	ug/l	91
34) Benzene	8.612	78	494519	19.328	ug/l	95
35) Methacrylonitrile	7.794	41	105052	16.551	ug/l	90
36) 1,2-Dichloroethane	8.677	62	166243	19.512	ug/l	95
37) Trichloroethene	9.359	130	109503	20.579	ug/l	91
38) Methylcyclohexane	9.606	83	184195	19.589	ug/l	99
39) 1,2-Dichloropropane	9.630	63	130341	19.652	ug/l	99
40) Dibromomethane	9.712	93	84078	19.130	ug/l	97
41) Bromodichloromethane	9.894	83	165311	19.313	ug/l #	94
42) Vinyl Acetate	6.618	43	1804288m	98.078	ug/l	

10/14/2022
 Supervised By :Mahesh
 Kadoda

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.577	43	199910	16.649	ug/l	98
44) Isopropyl Acetate	8.700	43	347196	18.699	ug/l	99
45) 1,4-Dioxane	9.700	88	55951	328.611	ug/l #	94
46) Methyl methacrylate	9.682	41	153901	19.138	ug/l	88
47) n-amyl Acetate	12.494	43	301378	18.550	ug/l	96
48) t-1,3-Dichloropropene	10.835	75	186684	19.009	ug/l #	88
49) cis-1,3-Dichloropropene	10.318	75	194655	18.692	ug/l #	91
50) 1,1,2-Trichloroethane	11.024	97	119604	18.492	ug/l	94
51) Ethyl methacrylate	10.876	69	206314	18.759	ug/l	99
52) 1,3-Dichloropropane	11.165	76	209991	18.810	ug/l	96
53) Dibromochloromethane	11.365	129	117442	18.534	ug/l	95
54) 1,2-Dibromoethane	11.471	107	119512	19.232	ug/l	98
55) 2-Chloroethyl vinyl ether	10.165	63	400709	93.144	ug/l	97
56) Bromoform	12.576	173	77392	16.948	ug/l	99
58) 4-Methyl-2-Pentanone	10.447	43	1144666	92.150	ug/l	97
59) 2-Hexanone	11.200	43	839880	87.855	ug/l	98
61) Tetrachloroethene	11.106	164	85203	20.010	ug/l #	83
62) Toluene	10.635	91	543969	19.713	ug/l	98
64) Chlorobenzene	11.894	112	308913	19.695	ug/l	96
65) 1,1,1,2-Tetrachloroethane	11.965	131	108223	18.319	ug/l	97
66) Ethyl Benzene	11.965	91	579716	19.320	ug/l	98
67) m/p-Xylenes	12.071	106	432149	38.336	ug/l	100
68) o-Xylene	12.400	106	218456	19.065	ug/l	96
69) Styrene	12.418	104	352893	18.817	ug/l	99
70) Isopropylbenzene	12.700	105	567827	19.214	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.941	83	212065	19.183	ug/l	99
72) 1,2,3-Trichloropropane	13.000	75	156549m	16.856	ug/l	
73) Bromobenzene	12.982	156	119687	19.327	ug/l	90
74) n-propylbenzene	13.041	91	656773	19.061	ug/l	99
75) 2-Chlorotoluene	13.129	91	391170	19.406	ug/l	96
76) 1,3,5-Trimethylbenzene	13.176	105	452690	18.850	ug/l	97
77) t-1,4-Dichloro-2-butene	12.741	75	65326	16.930	ug/l	93
78) 4-Chlorotoluene	13.223	91	354455	18.427	ug/l	99
79) tert-butylbenzene	13.441	119	391723	18.337	ug/l	97
80) 1,2,4-Trimethylbenzene	13.482	105	460328	19.050	ug/l	96
81) sec-Butylbenzene	13.617	105	590693	19.240	ug/l	98
82) p-Isopropyltoluene	13.735	119	463170	18.987	ug/l	99
83) 1,3-Dichlorobenzene	13.735	146	228862	18.940	ug/l	98
84) 1,4-Dichlorobenzene	13.812	146	217828	18.767	ug/l	98
85) n-Butylbenzene	14.059	91	398007	18.484	ug/l	97
86) Hexachloroethane	14.335	117	86496	18.105	ug/l	89
87) 1,2-Dichlorobenzene	14.112	146	224327	18.697	ug/l	97
88) 1,2-Dibromo-3-Chloropr...	14.723	75	35532	15.926	ug/l	97
89) 1,2,4-Trichlorobenzene	15.394	180	98447	17.966	ug/l	98
90) Hexachlorobutadiene	15.506	225	53020	19.845	ug/l	95
91) Naphthalene	15.647	128	382521	17.593	ug/l	99
92) 1,2,3-Trichlorobenzene	15.841	180	100344	17.505	ug/l	99

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

