

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021723\
 Data File : VN076731.D
 Acq On : 17 Feb 2023 13:41
 Operator : JC\MD
 Sample : VN0217WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0217WBSD01

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

Quant Time: Feb 18 02:06:22 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N021523W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Feb 16 01:08:46 2023
 Response via : Initial Calibration

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

Internal Standards						02/21/2023
1) Bromochloromethane	7.825	128	29222	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.107	114	203621	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.871	117	228916	30.000	ug/l	0.00
System Monitoring Compounds						02/21/2023
27) 1,2-Dichloroethane-d4	8.583	65	86300	32.290	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	107.633%
60) 4-Bromofluorobenzene	12.854	95	125178	30.916	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	103.067%
63) Toluene-d8	10.572	98	240960	30.052	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	100.167%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.143	85	60977	19.718	ug/l	97
3) Chloromethane	2.378	50	77015	20.282	ug/l	100
4) Vinyl Chloride	2.525	62	81056	19.999	ug/l	92
5) Bromomethane	2.966	94	56316	20.126	ug/l	92
6) Chloroethane	3.131	64	59197	22.523	ug/l	99
7) Trichlorofluoromethane	3.507	101	97975	19.392	ug/l	92
8) Diethyl Ether	3.972	74	44272	22.085	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.395	101	61556m	20.047	ug/l	
10) 1,1-Dichloroethene	4.354	96	56591	19.624	ug/l	94
11) Methyl Iodide	4.607	142	81982	22.781	ug/l	94
12) Methyl Acetate	5.048	43	137045	23.180	ug/l	94
13) Acrolein	4.190	56	72148	102.749	ug/l	98
14) Acrylonitrile	5.737	53	205402	113.206	ug/l	100
15) Acetone	4.437	58	55320	94.170	ug/l	90
16) Carbon Disulfide	4.725	76	153510	18.977	ug/l	98
17) Allyl chloride	5.042	41	104913	20.324	ug/l	88
18) Methylene Chloride	5.284	84	75545	20.753	ug/l	93
19) trans-1,2-Dichloroethene	5.801	96	62027	19.178	ug/l	96
20) Diisopropyl ether	6.684	45	261797	21.448	ug/l #	91
21) 1,1-Dichloroethane	6.578	63	132619	20.771	ug/l	98
22) cis-1,2-Dichloroethene	7.501	96	77993	21.018	ug/l	97
23) tert-Butyl Alcohol	5.531	59	61464	117.214	ug/l #	100
24) Methyl tert-Butyl Ether	5.807	73	223517m	22.401	ug/l	
25) Chloroform	7.972	83	129830	20.736	ug/l	95
26) Cyclohexane	8.266	56	107673	18.868	ug/l #	91
29) 1,1-Dichloropropene	8.383	75	93567	20.145	ug/l	97
30) 2-Butanone	7.495	43	293699	108.405	ug/l	98
31) 2,2-Dichloropropane	7.507	77	96908	19.964	ug/l #	61
32) 1,1,1-Trichloroethane	8.178	97	107474	19.932	ug/l	98
33) Carbon Tetrachloride	8.372	117	89366	19.128	ug/l	85
34) Benzene	8.613	78	301447	20.329	ug/l	97
35) Methacrylonitrile	7.795	41	65496	22.162	ug/l	96
36) 1,2-Dichloroethane	8.678	62	108539	21.868	ug/l	100
37) Trichloroethene	9.360	130	65160	18.895	ug/l	98
38) Methylcyclohexane	9.607	83	112271	19.208	ug/l	98
39) 1,2-Dichloropropane	9.630	63	77725	20.169	ug/l	97
40) Dibromomethane	9.713	93	53228	21.658	ug/l	98
41) Bromodichloromethane	9.895	83	101832	20.656	ug/l	97
42) Vinyl Acetate	6.613	43	868658	110.634	ug/l	99

02/21/2023
 Supervised By :Mahesh
 Radoda

02/21/2023

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021723\
 Data File : VN076731.D
 Acq On : 17 Feb 2023 13:41
 Operator : JC\MD
 Sample : VN0217WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0217WBSD01

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

Quant Time: Feb 18 02:06:22 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N021523W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Feb 16 01:08:46 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
43) Ethyl Acetate	7.572	43	124104	24.043	ug/l	100	02/21/2023
44) Isopropyl Acetate	8.695	43	196766	23.158	ug/l	98	Supervised By :Mahesh
45) 1,4-Dioxane	9.695	88	31904	443.647	ug/l	94	Dadoda
46) Methyl methacrylate	9.683	41	91638	23.495	ug/l	96	
47) n-amyl Acetate	12.495	43	163914	21.845	ug/l	98	
48) t-1,3-Dichloropropene	10.842	75	105504	21.100	ug/l	99	
49) cis-1,3-Dichloropropene	10.313	75	115331	20.265	ug/l	94	02/21/2023
50) 1,1,2-Trichloroethane	11.019	97	78722	22.034	ug/l	95	
51) Ethyl methacrylate	10.877	69	113358	21.854	ug/l	96	
52) 1,3-Dichloropropane	11.166	76	132967	21.648	ug/l	100	
53) Dibromochloromethane	11.366	129	75974	20.702	ug/l	99	
54) 1,2-Dibromoethane	11.471	107	75005	21.566	ug/l	99	
55) 2-Chloroethyl vinyl ether	10.166	63	246404	107.152	ug/l	100	
56) Bromoform	12.583	173	50530	19.992	ug/l #	99	
58) 4-Methyl-2-Pentanone	10.448	43	628405	115.420	ug/l	98	
59) 2-Hexanone	11.201	43	459958	113.578	ug/l	99	
61) Tetrachloroethene	11.101	164	56419	19.517	ug/l	88	
62) Toluene	10.630	91	328297	20.521	ug/l	97	
64) Chlorobenzene	11.895	112	188742	19.803	ug/l	97	
65) 1,1,1,2-Tetrachloroethane	11.966	131	67642	19.360	ug/l	96	
66) Ethyl Benzene	11.966	91	340044	19.994	ug/l	96	
67) m/p-Xylenes	12.077	106	272477	40.969	ug/l	98	
68) o-Xylene	12.401	106	135036	20.604	ug/l	96	
69) Styrene	12.413	104	219633	20.874	ug/l	98	
70) Isopropylbenzene	12.701	105	332785	19.903	ug/l	98	
71) 1,1,2,2-Tetrachloroethane	12.942	83	122445	22.384	ug/l	98	
72) 1,2,3-Trichloropropane	12.995	75	118460m	24.583	ug/l		
73) Bromobenzene	12.983	156	78824	20.317	ug/l	93	
74) n-propylbenzene	13.042	91	401890	20.181	ug/l	100	
75) 2-Chlorotoluene	13.130	91	241093	20.345	ug/l	99	
76) 1,3,5-Trimethylbenzene	13.177	105	291649	20.914	ug/l	96	
77) t-1,4-Dichloro-2-butene	12.742	75	34589	22.341	ug/l	89	
78) 4-Chlorotoluene	13.224	91	235589	20.738	ug/l	98	
79) tert-butylbenzene	13.442	119	243332	19.708	ug/l	97	
80) 1,2,4-Trimethylbenzene	13.489	105	291911	21.081	ug/l	99	
81) sec-Butylbenzene	13.624	105	359768	20.291	ug/l	99	
82) p-Isopropyltoluene	13.736	119	288120	20.043	ug/l	99	
83) 1,3-Dichlorobenzene	13.736	146	153009	20.640	ug/l	98	
84) 1,4-Dichlorobenzene	13.818	146	146822	20.305	ug/l	96	
85) n-Butylbenzene	14.060	91	244271	20.049	ug/l	99	
86) Hexachloroethane	14.336	117	51473	18.497	ug/l	96	
87) 1,2-Dichlorobenzene	14.112	146	154494	20.726	ug/l	99	
88) 1,2-Dibromo-3-Chloropr...	14.724	75	23271	22.949	ug/l	98	
89) 1,2,4-Trichlorobenzene	15.401	180	76810	20.199	ug/l	100	
90) Hexachlorobutadiene	15.506	225	34315	18.731	ug/l	94	
91) Naphthalene	15.648	128	255355	20.885	ug/l	99	
92) 1,2,3-Trichlorobenzene	15.842	180	76975	19.943	ug/l	99	

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

