

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042224\
 Data File : VN081827.D
 Acq On : 22 Apr 2024 16:33
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

Quant Time: Apr 23 06:58:20 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N041024W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Apr 11 09:25:01 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.818	128	12923	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	79847	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	106636	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	47122	29.682	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 98.933%			
60) 4-Bromofluorobenzene	12.847	95	64115	30.582	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 101.933%			
63) Toluene-d8	10.565	98	129050	30.170	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 100.567%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	25707	14.236	ug/l	96
3) Chloromethane	2.359	50	28866	18.425	ug/l	96
4) Vinyl Chloride	2.518	62	33120	20.559	ug/l	95
5) Bromomethane	2.971	94	29300	21.476	ug/l	100
6) Chloroethane	3.124	64	28837	22.871	ug/l	90
7) Trichlorofluoromethane	3.495	101	37487	14.174	ug/l	98
8) Diethyl Ether	3.959	74	14067m	14.260	ug/l	
9) 1,1,2-Trichlorotrifluo...	4.377	101	24500	13.502	ug/l	94
10) 1,1-Dichloroethene	4.342	96	22432	13.480	ug/l	94
11) Methyl Iodide	4.594	142	24814	13.167	ug/l	83
12) Methyl Acetate	5.024	43	27491	17.991	ug/l	91
13) Acrolein	4.189	56	16705m	83.006	ug/l	
14) Acrylonitrile	5.712	53	64776	85.161	ug/l	95
15) Acetone	4.424	58	14648m	87.559	ug/l	
16) Carbon Disulfide	4.706	76	62706	13.251	ug/l #	93
17) Allyl chloride	5.018	41	33244m	16.514	ug/l	
18) Methylene Chloride	5.271	84	33134	17.291	ug/l	89
19) trans-1,2-Dichloroethene	5.789	96	27896m	15.286	ug/l	
20) Diisopropyl ether	6.677	45	92178	19.233	ug/l	98
21) 1,1-Dichloroethane	6.571	63	56399m	17.650	ug/l	
22) cis-1,2-Dichloroethene	7.483	96	37183	16.873	ug/l	96
23) tert-Butyl Alcohol	5.518	59	21615	80.050	ug/l #	100
24) Methyl tert-Butyl Ether	5.794	73	89851	17.264	ug/l #	82
25) Chloroform	7.971	83	67834	18.657	ug/l	93
26) Cyclohexane	8.265	56	33482	13.070	ug/l #	79
29) 1,1-Dichloropropene	8.371	75	39117	18.634	ug/l	99
30) 2-Butanone	7.483	43	86164	107.477	ug/l #	95
31) 2,2-Dichloropropane	7.494	77	47273m	18.080	ug/l	
32) 1,1,1-Trichloroethane	8.165	97	52235	18.055	ug/l	94
33) Carbon Tetrachloride	8.365	117	45634	17.401	ug/l	88
34) Benzene	8.606	78	134336	19.866	ug/l	97
35) Methacrylonitrile	7.777	41	21017	23.145	ug/l	87
36) 1,2-Dichloroethane	8.671	62	51453	23.198	ug/l	98
37) Trichloroethene	9.353	130	34096	19.054	ug/l	99
38) Methylcyclohexane	9.600	83	38593	15.042	ug/l	95
39) 1,2-Dichloropropane	9.624	63	32421	20.551	ug/l	100
40) Dibromomethane	9.712	93	28997	23.075	ug/l	98
41) Bromodichloromethane	9.888	83	56990	22.239	ug/l	97
42) Vinyl Acetate	6.600	43	364336	109.092	ug/l	100

04/23/2024
 Supervised By :Mahesh
 Radoda

04/23/2024

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042224\
 Data File : VN081827.D
 Acq On : 22 Apr 2024 16:33
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

Quant Time: Apr 23 06:58:20 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N041024W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Apr 11 09:25:01 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
43) Ethyl Acetate	7.559	43	33511	18.966	ug/l	#	93
44) Isopropyl Acetate	8.688	43	68075	22.995	ug/l		92
45) 1,4-Dioxane	9.694	88	12332	377.350	ug/l	#	88
46) Methyl methacrylate	9.682	41	29512	22.168	ug/l		90
47) n-amyl Acetate	12.494	43	62284	23.446	ug/l		95
48) t-1,3-Dichloropropene	10.835	75	54420	22.290	ug/l		96
49) cis-1,3-Dichloropropene	10.312	75	56180	21.368	ug/l	#	87
50) 1,1,2-Trichloroethane	11.018	97	37894	22.520	ug/l		96
51) Ethyl methacrylate	10.876	69	49582	21.162	ug/l		82
52) 1,3-Dichloropropane	11.165	76	64894	23.529	ug/l		97
53) Dibromochloromethane	11.359	129	45316	22.545	ug/l		98
54) 1,2-Dibromoethane	11.470	107	35821	20.595	ug/l		92
55) 2-Chloroethyl vinyl ether	10.159	63	129453	112.513	ug/l		99
56) Bromoform	12.582	173	30514	23.741	ug/l	#	98
58) 4-Methyl-2-Pentanone	10.447	43	219064	119.457	ug/l	#	89
59) 2-Hexanone	11.200	43	157414m	114.299	ug/l		
61) Tetrachloroethene	11.106	164	37594	19.026	ug/l	#	80
62) Toluene	10.629	91	148756	19.175	ug/l		100
64) Chlorobenzene	11.894	112	98199	19.962	ug/l		94
65) 1,1,1,2-Tetrachloroethane	11.959	131	37028	20.721	ug/l		94
66) Ethyl Benzene	11.965	91	149415	18.115	ug/l		100
67) m/p-Xylenes	12.070	106	123439	37.781	ug/l		91
68) o-Xylene	12.400	106	57483	18.533	ug/l		95
69) Styrene	12.412	104	100345	18.996	ug/l		97
70) Isopropylbenzene	12.694	105	143996	17.995	ug/l		99
71) 1,1,2,2-Tetrachloroethane	12.941	83	47415	22.684	ug/l		95
72) 1,2,3-Trichloropropane	12.994	75	45821m	23.678	ug/l		
73) Bromobenzene	12.982	156	40885	20.620	ug/l		95
74) n-propylbenzene	13.035	91	174614	18.230	ug/l		100
75) 2-Chlorotoluene	13.129	91	108238	18.968	ug/l		93
76) 1,3,5-Trimethylbenzene	13.170	105	125109	18.421	ug/l		97
77) t-1,4-Dichloro-2-butene	12.741	75	17830	22.248	ug/l		89
78) 4-Chlorotoluene	13.223	91	108421	19.156	ug/l		92
79) tert-butylbenzene	13.441	119	100197	17.341	ug/l		99
80) 1,2,4-Trimethylbenzene	13.482	105	129030	19.050	ug/l		96
81) sec-Butylbenzene	13.617	105	148007	17.761	ug/l		99
82) p-Isopropyltoluene	13.729	119	120908	17.301	ug/l		97
83) 1,3-Dichlorobenzene	13.735	146	75325	20.327	ug/l		97
84) 1,4-Dichlorobenzene	13.812	146	71949	20.058	ug/l		97
85) n-Butylbenzene	14.059	91	99219	16.855	ug/l		99
86) Hexachloroethane	14.335	117	25514	19.109	ug/l		91
87) 1,2-Dichlorobenzene	14.106	146	76099	21.575	ug/l		95
88) 1,2-Dibromo-3-Chloropr...	14.723	75	10178	22.336	ug/l		98
89) 1,2,4-Trichlorobenzene	15.841	180	39875	20.625	ug/l		98
90) Hexachlorobutadiene	15.506	225	14571	18.808	ug/l		75
91) Naphthalene	15.641	128	121751	19.588	ug/l		100
92) 1,2,3-Trichlorobenzene	15.841	180	39875	20.625	ug/l		98

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

