

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101723\
 Data File : VN079575.D
 Acq On : 17 Oct 2023 11:45
 Operator : JC\MD
 Sample : VSTDICC010
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC010

Quant Time: Oct 18 02:03:54 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N101723W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Oct 18 01:58:48 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 10/18/2023
 Supervised By : Mahesh Dadoda 10/20/2023

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

Internal Standards						
1) Bromochloromethane	7.818	128	21854	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	164479	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.871	117	199562	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.583	65	93558	30.111	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 100.367%			
60) 4-Bromofluorobenzene	12.853	95	104688	28.686	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 95.633%			
63) Toluene-d8	10.571	98	261969	30.635	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 102.100%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.130	85	32631	10.296	ug/l	89
3) Chloromethane	2.365	50	43105	10.494	ug/l	97
4) Vinyl Chloride	2.518	62	45966	10.369	ug/l	95
5) Bromomethane	2.959	94	29377	10.688	ug/l	93
6) Chloroethane	3.124	64	32701	10.480	ug/l #	88
7) Trichlorofluoromethane	3.501	101	55625	10.283	ug/l	96
8) Diethyl Ether	3.965	74	19659	10.027	ug/l	92
9) 1,1,2-Trichlorotrifluo...	4.377	101	32707	10.568	ug/l	100
10) 1,1-Dichloroethene	4.348	96	30906	10.496	ug/l	97
11) Methyl Iodide	4.595	142	30285	9.289	ug/l	96
12) Methyl Acetate	5.036	43	75952	10.699	ug/l	95
13) Acrolein	4.189	56	26802	45.675	ug/l	98
14) Acrylonitrile	5.730	53	87394	51.409	ug/l	99
15) Acetone	4.430	58	27533	51.007	ug/l	89
16) Carbon Disulfide	4.718	76	93592	10.423	ug/l	96
17) Allyl chloride	5.030	41	44351	9.769	ug/l	88
18) Methylene Chloride	5.277	84	38413	10.598	ug/l	91
19) trans-1,2-Dichloroethene	5.795	96	33137	10.059	ug/l	94
20) Diisopropyl ether	6.677	45	110380	10.254	ug/l	95
21) 1,1-Dichloroethane	6.577	63	68098	10.410	ug/l	97
22) cis-1,2-Dichloroethene	7.483	96	39164	10.322	ug/l	94
23) tert-Butyl Alcohol	5.530	59	30949	54.400	ug/l #	100
24) Methyl tert-Butyl Ether	5.800	73	99096	10.030	ug/l #	80
25) Chloroform	7.971	83	68193	10.317	ug/l	99
26) Cyclohexane	8.259	56	48956	9.900	ug/l #	95
29) 1,1-Dichloropropene	8.371	75	48890	10.171	ug/l	98
30) 2-Butanone	7.489	43	123657	51.323	ug/l	99
31) 2,2-Dichloropropane	7.494	77	56182	10.367	ug/l	99
32) 1,1,1-Trichloroethane	8.171	97	59077	10.341	ug/l	99
33) Carbon Tetrachloride	8.365	117	50313	10.355	ug/l	99
34) Benzene	8.612	78	150728	10.321	ug/l	96
35) Methacrylonitrile	7.783	41	25425	10.031	ug/l	87
36) 1,2-Dichloroethane	8.677	62	54352	10.424	ug/l #	91
37) Trichloroethene	9.353	130	35104	10.283	ug/l	94
38) Methylcyclohexane	9.606	83	43825	9.470	ug/l	94
39) 1,2-Dichloropropane	9.624	63	40301	10.457	ug/l	95
40) Dibromomethane	9.718	93	26163	10.344	ug/l	97
41) Bromodichloromethane	9.894	83	55115	10.515	ug/l	96
42) Vinyl Acetate	6.612	43	304517	49.823	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101723\
 Data File : VN079575.D
 Acq On : 17 Oct 2023 11:45
 Operator : JC\MD
 Sample : VSTDICC010
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC010

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/18/2023
 Supervised By : Mahesh Dadoda 10/20/2023

Quant Time: Oct 18 02:03:54 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N101723W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Oct 18 01:58:48 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.565	43	43618	9.627	ug/l	99
44) Isopropyl Acetate	8.694	43	83674	10.389	ug/l	100
45) 1,4-Dioxane	9.700	88	12863	204.036	ug/l #	92
46) Methyl methacrylate	9.688	41	35579	9.958	ug/l	95
47) n-amyl Acetate	12.500	43	53805	9.257	ug/l	100
48) t-1,3-Dichloropropene	10.841	75	51851	9.786	ug/l	96
49) cis-1,3-Dichloropropene	10.318	75	57842	9.983	ug/l	99
50) 1,1,2-Trichloroethane	11.018	97	36970	10.537	ug/l	98
51) Ethyl methacrylate	10.882	69	47061	9.722	ug/l	96
52) 1,3-Dichloropropane	11.165	76	63455	10.209	ug/l	98
53) Dibromochloromethane	11.359	129	36798	10.262	ug/l	100
54) 1,2-Dibromoethane	11.477	107	35250	10.183	ug/l	99
55) 2-Chloroethyl vinyl ether	10.165	63	77947	42.203	ug/l	97
56) Bromoform	12.582	173	23072	9.726	ug/l	95
58) 4-Methyl-2-Pentanone	10.447	43	242800	52.162	ug/l	99
59) 2-Hexanone	11.200	43	171186	50.130	ug/l	99
61) Tetrachloroethene	11.106	164	29546	10.783	ug/l	95
62) Toluene	10.635	91	155781	10.214	ug/l	97
64) Chlorobenzene	11.894	112	90822	10.267	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.959	131	35180	10.440	ug/l	94
66) Ethyl Benzene	11.965	91	153086	9.742	ug/l	99
67) m/p-Xylenes	12.076	106	114767	19.746	ug/l	96
68) o-Xylene	12.406	106	54306	9.774	ug/l	99
69) Styrene	12.418	104	84688	9.601	ug/l	97
70) Isopropylbenzene	12.700	105	140216	9.833	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.941	83	52191	10.294	ug/l	99
72) 1,2,3-Trichloropropane	13.000	75	46228m	9.463	ug/l	
73) Bromobenzene	12.982	156	32868	9.812	ug/l	98
74) n-propylbenzene	13.041	91	158396	9.541	ug/l	100
75) 2-Chlorotoluene	13.129	91	101249	9.810	ug/l	96
76) 1,3,5-Trimethylbenzene	13.176	105	112529	9.654	ug/l	97
77) t-1,4-Dichloro-2-butene	12.735	75	13337	9.491	ug/l	85
78) 4-Chlorotoluene	13.223	91	93106	9.548	ug/l	99
79) tert-butylbenzene	13.441	119	90882	9.697	ug/l	98
80) 1,2,4-Trimethylbenzene	13.488	105	108756	9.629	ug/l	99
81) sec-Butylbenzene	13.618	105	122425	9.305	ug/l	98
82) p-Isopropyltoluene	13.735	119	97480	9.340	ug/l	100
83) 1,3-Dichlorobenzene	13.741	146	51543	9.358	ug/l	100
84) 1,4-Dichlorobenzene	13.818	146	49177	9.313	ug/l	97
85) n-Butylbenzene	14.059	91	67709	8.303	ug/l	97
86) Hexachloroethane	14.335	117	22713	10.066	ug/l	97
87) 1,2-Dichlorobenzene	14.112	146	52059	9.509	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.723	75	7418	9.602	ug/l	95
89) 1,2,4-Trichlorobenzene	15.847	180	17026	8.823	ug/l	99
90) Hexachlorobutadiene	15.506	225	13155	9.624	ug/l	94
91) Naphthalene	15.647	128	38015	7.637	ug/l	98
92) 1,2,3-Trichlorobenzene	15.847	180	17026	8.823	ug/l	99

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101723\
 Data File : VN079575.D
 Acq On : 17 Oct 2023 11:45
 Operator : JC\MD
 Sample : VSTDIC010
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :

MSVOA_N

Client Sample Id :

VSTDIC010

Manual Integrations

APPROVED

Reviewed By : John Carlone 10/18/2023

Supervised By : Mahesh Dadoda 10/20/2023

Quant Time: Oct 18 02:03:54 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N101723W.M

Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

QLast Update : Wed Oct 18 01:58:48 2023

Response via : Initial Calibration

