

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090723\
 Data File : VN079174.D
 Acq On : 07 Sep 2023 11:08
 Operator : JC\MD
 Sample : VSTDICC010
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC010

Quant Time: Sep 08 04:51:41 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090723W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Sep 08 04:47:25 2023
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/08/2023
 Supervised By : Mahesh Dadoda 09/08/2023

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

Internal Standards						
1) Bromochloromethane	7.818	128	29066	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	176917	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.870	117	156129	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.582	65	71023	32.475	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 108.267%			
60) 4-Bromofluorobenzene	12.853	95	68553	29.799	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 99.333%			
63) Toluene-d8	10.571	98	222818	30.538	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 101.800%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.130	85	18942	11.668	ug/l	96
3) Chloromethane	2.365	50	18119	11.131	ug/l	94
4) Vinyl Chloride	2.512	62	15916	9.883	ug/l	97
5) Bromomethane	2.948	94	10814	10.926	ug/l	100
6) Chloroethane	3.118	64	11451	11.610	ug/l	97
7) Trichlorofluoromethane	3.495	101	20727	10.810	ug/l	97
8) Diethyl Ether	3.971	74	7476	10.633	ug/l	70
9) 1,1,2-Trichlorotrifluo...	4.371	101	11240m	11.521	ug/l	
10) 1,1-Dichloroethene	4.336	96	10713	10.463	ug/l	88
11) Methyl Iodide	4.594	142	13268	10.288	ug/l	89
12) Methyl Acetate	5.030	43	26002	12.405	ug/l	98
13) Acrolein	4.189	56	11123	51.180	ug/l	96
14) Acrylonitrile	5.730	53	37083	59.021	ug/l	98
15) Acetone	4.436	58	9290	50.875	ug/l	76
16) Carbon Disulfide	4.706	76	32371	10.700	ug/l	98
17) Allyl chloride	5.030	41	15983	11.641	ug/l	94
18) Methylene Chloride	5.283	84	15010	10.931	ug/l	94
19) trans-1,2-Dichloroethene	5.789	96	14387	11.231	ug/l	93
20) Diisopropyl ether	6.683	45	43684	8.892	ug/l	95
21) 1,1-Dichloroethane	6.571	63	26736	9.290	ug/l	97
22) cis-1,2-Dichloroethene	7.488	96	18321	9.145	ug/l	98
23) tert-Butyl Alcohol	5.536	59	14721	54.670	ug/l #	100
24) Methyl tert-Butyl Ether	5.800	73	42040	10.404	ug/l	97
25) Chloroform	7.977	83	37493	10.806	ug/l	99
26) Cyclohexane	8.265	56	29289	11.225	ug/l #	99
29) 1,1-Dichloropropene	8.377	75	28193	9.939	ug/l	99
30) 2-Butanone	7.494	43	54225	38.007	ug/l	98
31) 2,2-Dichloropropane	7.494	77	22981	8.122	ug/l	99
32) 1,1,1-Trichloroethane	8.171	97	33232	9.944	ug/l	98
33) Carbon Tetrachloride	8.371	117	29091	13.816	ug/l	90
34) Benzene	8.612	78	91591	10.163	ug/l	97
35) Methacrylonitrile	7.783	41	13835	9.006	ug/l	91
36) 1,2-Dichloroethane	8.677	62	30601	10.296	ug/l	99
37) Trichloroethene	9.359	130	21983	10.320	ug/l	92
38) Methylcyclohexane	9.606	83	28511	10.054	ug/l	97
39) 1,2-Dichloropropane	9.624	63	24521	10.548	ug/l	99
40) Dibromomethane	9.712	93	15603	10.178	ug/l	98
41) Bromodichloromethane	9.894	83	31273	10.233	ug/l	95
42) Vinyl Acetate	6.606	43	134952	39.829	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090723\
 Data File : VN079174.D
 Acq On : 07 Sep 2023 11:08
 Operator : JC\MD
 Sample : VSTDICC010
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC010

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/08/2023
 Supervised By : Mahesh Dadoda 09/08/2023

Quant Time: Sep 08 04:51:41 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090723W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Sep 08 04:47:25 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.565	43	22494	8.302	ug/l #	82
44) Isopropyl Acetate	8.694	43	49563	10.168	ug/l	98
45) 1,4-Dioxane	9.700	88	10080	207.756	ug/l	92
46) Methyl methacrylate	9.688	41	21395	9.825	ug/l	97
47) n-amyl Acetate	12.500	43	34132	9.957	ug/l	99
48) t-1,3-Dichloropropene	10.841	75	33037	9.992	ug/l	97
49) cis-1,3-Dichloropropene	10.318	75	33350	9.670	ug/l	98
50) 1,1,2-Trichloroethane	11.023	97	22305	10.368	ug/l	97
51) Ethyl methacrylate	10.882	69	32466	9.775	ug/l	99
52) 1,3-Dichloropropane	11.171	76	35995	9.803	ug/l	98
53) Dibromochloromethane	11.365	129	21055	9.334	ug/l	95
54) 1,2-Dibromoethane	11.476	107	20699	9.487	ug/l	97
55) 2-Chloroethyl vinyl ether	10.171	63	53195	45.073	ug/l	100
56) Bromoform	12.582	173	15555	9.905	ug/l	95
58) 4-Methyl-2-Pentanone	10.453	43	152528	53.237	ug/l	99
59) 2-Hexanone	11.200	43	101929	50.658	ug/l	98
61) Tetrachloroethene	11.112	164	17123	10.079	ug/l	93
62) Toluene	10.635	91	96367	10.601	ug/l	99
64) Chlorobenzene	11.894	112	55995	10.559	ug/l	94
65) 1,1,1,2-Tetrachloroethane	11.965	131	22001	10.836	ug/l	98
66) Ethyl Benzene	11.970	91	94794	10.357	ug/l	99
67) m/p-Xylenes	12.076	106	72631	21.089	ug/l	96
68) o-Xylene	12.406	106	35770	10.765	ug/l	98
69) Styrene	12.418	104	55149	10.410	ug/l	97
70) Isopropylbenzene	12.700	105	87132	10.321	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.941	83	32868	10.407	ug/l	99
72) 1,2,3-Trichloropropane	13.000	75	27533m	9.577	ug/l	
73) Bromobenzene	12.988	156	21646	10.264	ug/l	96
74) n-propylbenzene	13.041	91	98323	10.221	ug/l	99
75) 2-Chlorotoluene	13.135	91	63984	10.373	ug/l	98
76) 1,3,5-Trimethylbenzene	13.176	105	71463	10.237	ug/l	100
77) t-1,4-Dichloro-2-butene	12.741	75	9343	9.986	ug/l	90
78) 4-Chlorotoluene	13.229	91	60276	10.349	ug/l	96
79) tert-butylbenzene	13.441	119	59819	10.440	ug/l	99
80) 1,2,4-Trimethylbenzene	13.488	105	69317	10.398	ug/l	99
81) sec-Butylbenzene	13.623	105	79888	10.190	ug/l	98
82) p-Isopropyltoluene	13.735	119	63933	10.324	ug/l	99
83) 1,3-Dichlorobenzene	13.741	146	33653	10.048	ug/l	98
84) 1,4-Dichlorobenzene	13.817	146	33479	10.658	ug/l	97
85) n-Butylbenzene	14.059	91	47042	9.974	ug/l	99
86) Hexachloroethane	14.341	117	12172	9.928	ug/l	100
87) 1,2-Dichlorobenzene	14.112	146	33427	10.114	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.729	75	5562	10.419	ug/l	96
89) 1,2,4-Trichlorobenzene	15.847	180	14614	10.324	ug/l	99
90) Hexachlorobutadiene	15.506	225	8944	10.429	ug/l	98
91) Naphthalene	15.647	128	35498	9.605	ug/l	99
92) 1,2,3-Trichlorobenzene	15.847	180	14614	10.324	ug/l	99

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

