

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN010225\
 Data File : VN085373.D
 Acq On : 02 Jan 2025 11:11
 Operator : JC\MD
 Sample : VN0102WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0102WBS01

Quant Time: Jan 03 00:42:07 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N122024W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Dec 21 02:03:07 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 01/03/2025
 Supervised By :Semsettin Yesilyurt 01/03/2025

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

Internal Standards						
1) Bromochloromethane	7.812	128	34895	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	188370	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	177459	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.571	65	90236	29.396	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	98.000%		
60) 4-Bromofluorobenzene	12.847	95	83815	29.158	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	97.200%		
63) Toluene-d8	10.565	98	253470	29.251	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	97.500%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	56208	19.265	ug/l	98
3) Chloromethane	2.359	50	53560	18.181	ug/l	99
4) Vinyl Chloride	2.512	62	55869	18.678	ug/l	98
5) Bromomethane	2.959	94	33344	19.069	ug/l	98
6) Chloroethane	3.124	64	36611	19.389	ug/l	95
7) Trichlorofluoromethane	3.500	101	77986	18.977	ug/l	100
8) Diethyl Ether	3.959	74	25739	18.187	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.371	101	45368	19.226	ug/l	97
10) 1,1-Dichloroethene	4.341	96	40486	18.781	ug/l	97
11) Methyl Iodide	4.589	142	50269	19.457	ug/l	96
12) Methyl Acetate	5.018	43	63361	19.682	ug/l	95
13) Acrolein	4.183	56	34043	118.454	ug/l	100
14) Acrylonitrile	5.712	53	113343	91.029	ug/l	99
15) Acetone	4.424	58	29730	94.653	ug/l	98
16) Carbon Disulfide	4.712	76	118940	18.151	ug/l	97
17) Allyl chloride	5.024	41	62379	17.888	ug/l	92
18) Methylene Chloride	5.277	84	47733	18.582	ug/l	97
19) trans-1,2-Dichloroethene	5.783	96	43177	19.257	ug/l	90
20) Diisopropyl ether	6.665	45	150669	18.852	ug/l	94
21) 1,1-Dichloroethane	6.565	63	86997	18.620	ug/l #	95
22) cis-1,2-Dichloroethene	7.488	96	50080	18.757	ug/l	98
23) tert-Butyl Alcohol	5.518	59	37582	91.584	ug/l #	100
24) Methyl tert-Butyl Ether	5.800	73	133648	18.888	ug/l	97
25) Chloroform	7.959	83	89671	18.933	ug/l	97
26) Cyclohexane	8.253	56	66195	18.582	ug/l #	98
29) 1,1-Dichloropropene	8.365	75	59160	18.089	ug/l	98
30) 2-Butanone	7.482	43	154299	89.378	ug/l	100
31) 2,2-Dichloropropane	7.488	77	76961	18.571	ug/l	100
32) 1,1,1-Trichloroethane	8.171	97	77054	18.123	ug/l	99
33) Carbon Tetrachloride	8.359	117	68447	18.391	ug/l	99
34) Benzene	8.606	78	190211	18.399	ug/l	98
35) Methacrylonitrile	7.777	41	34953	18.290	ug/l	91
36) 1,2-Dichloroethane	8.665	62	67226	17.983	ug/l	100
37) Trichloroethene	9.353	130	42625	18.740	ug/l	95
38) Methylcyclohexane	9.600	83	60970	18.015	ug/l	96
39) 1,2-Dichloropropane	9.618	63	48144	18.304	ug/l	96
40) Dibromomethane	9.706	93	32747	17.857	ug/l	97
41) Bromodichloromethane	9.888	83	70277	18.338	ug/l	100
42) Vinyl Acetate	6.600	43	532595	87.399	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN010225\
 Data File : VN085373.D
 Acq On : 02 Jan 2025 11:11
 Operator : JC\MD
 Sample : VN0102WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0102WBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 01/03/2025
 Supervised By :Semsettin Yesilyurt 01/03/2025

Quant Time: Jan 03 00:42:07 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N122024W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Dec 21 02:03:07 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.559	43	64755	18.138	ug/l	# 92
44) Isopropyl Acetate	8.688	43	103845	17.510	ug/l	98
45) 1,4-Dioxane	9.694	88	16200	351.188	ug/l	97
46) Methyl methacrylate	9.682	41	46434	16.867	ug/l	97
47) n-amyl Acetate	12.494	43	87243	17.268	ug/l	99
48) t-1,3-Dichloropropene	10.829	75	66432	17.549	ug/l	98
49) cis-1,3-Dichloropropene	10.312	75	74284	18.253	ug/l	99
50) 1,1,2-Trichloroethane	11.012	97	44405	18.515	ug/l	92
51) Ethyl methacrylate	10.870	69	62938	17.351	ug/l	88
52) 1,3-Dichloropropane	11.165	76	76363	18.241	ug/l	99
53) Dibromochloromethane	11.353	129	50973	18.139	ug/l	100
54) 1,2-Dibromoethane	11.465	107	42459	18.294	ug/l	100
55) 2-Chloroethyl vinyl ether	10.159	63	183673	98.301	ug/l	99
56) Bromoform	12.576	173	31770	17.330	ug/l	99
58) 4-Methyl-2-Pentanone	10.441	43	323452	89.909	ug/l	99
59) 2-Hexanone	11.194	43	230759	88.296	ug/l	98
61) Tetrachloroethene	11.100	164	39228	19.801	ug/l	92
62) Toluene	10.629	91	202799	18.601	ug/l	99
64) Chlorobenzene	11.888	112	122269	18.595	ug/l	96
65) 1,1,1,2-Tetrachloroethane	11.959	131	44365	18.605	ug/l	98
66) Ethyl Benzene	11.959	91	205867	17.946	ug/l	100
67) m/p-Xylenes	12.070	106	160161	37.215	ug/l	100
68) o-Xylene	12.394	106	73220	17.861	ug/l	97
69) Styrene	12.412	104	125523	18.118	ug/l	99
70) Isopropylbenzene	12.694	105	187465	18.212	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.935	83	63932	17.512	ug/l	99
72) 1,2,3-Trichloropropane	12.988	75	58847m	18.939	ug/l	
73) Bromobenzene	12.976	156	46908	18.446	ug/l	98
74) n-propylbenzene	13.035	91	236170	18.416	ug/l	97
75) 2-Chlorotoluene	13.123	91	140521	18.190	ug/l	99
76) 1,3,5-Trimethylbenzene	13.170	105	160785	18.306	ug/l	98
77) t-1,4-Dichloro-2-butene	12.735	75	21225	16.714	ug/l	98
78) 4-Chlorotoluene	13.217	91	142287	18.115	ug/l	98
79) tert-butylbenzene	13.435	119	129447	18.021	ug/l	99
80) 1,2,4-Trimethylbenzene	13.482	105	160995	18.415	ug/l	99
81) sec-Butylbenzene	13.611	105	191803	18.495	ug/l	99
82) p-Isopropyltoluene	13.729	119	156946	18.377	ug/l	99
83) 1,3-Dichlorobenzene	13.729	146	86279	18.192	ug/l	97
84) 1,4-Dichlorobenzene	13.811	146	84454	18.406	ug/l	97
85) n-Butylbenzene	14.053	91	132320	17.945	ug/l	100
86) Hexachloroethane	14.335	117	31690	17.284	ug/l	100
87) 1,2-Dichlorobenzene	14.106	146	82836	18.385	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.723	75	11622	17.438	ug/l	94
89) 1,2,4-Trichlorobenzene	15.835	180	38776	18.165	ug/l	98
90) Hexachlorobutadiene	15.494	225	19438	18.268	ug/l	93
91) Naphthalene	15.641	128	115282	16.809	ug/l	99
92) 1,2,3-Trichlorobenzene	15.835	180	38776	18.165	ug/l	98

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN010225\
Data File : VN085373.D
Acq On : 02 Jan 2025 11:11
Operator : JC\MD
Sample : VN0102WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0102WBS01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 01/03/2025
Supervised By :Semsettin Yesilyurt 01/03/2025

Quant Time: Jan 03 00:42:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N122024W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Dec 21 02:03:07 2024
Response via : Initial Calibration

