

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041125\
 Data File : VN086255.D
 Acq On : 11 Apr 2025 17:28
 Operator : JC\MD
 Sample : VSTDC0020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDC0020EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/14/2025
 Supervised By : Mahesh Dadoda 04/14/2025

Quant Time: Apr 12 01:51:53 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N041125W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Apr 12 01:21:52 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.812	128	18884	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	109876	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	95362	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	53571	29.085	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	96.933%		
60) 4-Bromofluorobenzene	12.847	95	56553	29.786	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	99.300%		
63) Toluene-d8	10.565	98	165558	30.752	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	102.500%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	29320	19.378	ug/l	99
3) Chloromethane	2.359	50	41417	19.805	ug/l	95
4) Vinyl Chloride	2.518	62	38937	19.548	ug/l	99
5) Bromomethane	2.971	94	19187	19.311	ug/l	99
6) Chloroethane	3.130	64	25042	19.909	ug/l	99
7) Trichlorofluoromethane	3.501	101	41794	19.342	ug/l	98
8) Diethyl Ether	3.965	74	18888	18.955	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.377	101	24936	18.715	ug/l	96
10) 1,1-Dichloroethene	4.348	96	26966	18.753	ug/l	98
11) Methyl Iodide	4.583	142	31641	19.145	ug/l	94
12) Methyl Acetate	5.030	43	37430	18.433	ug/l	97
13) Acrolein	4.183	56	19090	82.706	ug/l	97
14) Acrylonitrile	5.718	53	80784	94.238	ug/l	99
15) Acetone	4.424	58	19847	91.311	ug/l	90
16) Carbon Disulfide	4.718	76	78952	19.148	ug/l	97
17) Allyl chloride	5.030	41	49113	19.596	ug/l	95
18) Methylene Chloride	5.277	84	31167	19.010	ug/l	96
19) trans-1,2-Dichloroethene	5.789	96	28540	18.843	ug/l	99
20) Diisopropyl ether	6.671	45	95774	17.775	ug/l	97
21) 1,1-Dichloroethane	6.571	63	55465	19.295	ug/l	98
22) cis-1,2-Dichloroethene	7.483	96	34384	19.057	ug/l	99
23) tert-Butyl Alcohol	5.512	59	31875	89.739	ug/l #	100
24) Methyl tert-Butyl Ether	5.794	73	97437	18.777	ug/l	98
25) Chloroform	7.965	83	53242	19.423	ug/l	93
26) Cyclohexane	8.253	56	50381	18.733	ug/l #	99
29) 1,1-Dichloropropene	8.371	75	39298	19.965	ug/l	99
30) 2-Butanone	7.477	43	105674	96.889	ug/l	99
31) 2,2-Dichloropropane	7.489	77	46144	19.045	ug/l	99
32) 1,1,1-Trichloroethane	8.165	97	44888	19.825	ug/l	99
33) Carbon Tetrachloride	8.359	117	35183	19.444	ug/l	96
34) Benzene	8.600	78	124673	19.909	ug/l	97
35) Methacrylonitrile	7.777	41	25486	20.728	ug/l	98
36) 1,2-Dichloroethane	8.671	62	38614	19.705	ug/l	97
37) Trichloroethene	9.347	130	28562	18.904	ug/l	95
38) Methylcyclohexane	9.594	83	45627	18.901	ug/l	99
39) 1,2-Dichloropropane	9.618	63	30685	19.693	ug/l	94
40) Dibromomethane	9.706	93	20002	19.875	ug/l	100
41) Bromodichloromethane	9.888	83	42242	19.539	ug/l	100
42) Vinyl Acetate	6.600	43	378299	101.896	ug/l	100

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 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.559	43	37557	17.072	ug/l #	93
44) Isopropyl Acetate	8.683	43	79656	19.518	ug/l	100
45) 1,4-Dioxane	9.694	88	12723	392.047	ug/l #	93
46) Methyl methacrylate	9.677	41	34286	19.067	ug/l	98
47) n-amyl Acetate	12.488	43	57635	17.812	ug/l	99
48) t-1,3-Dichloropropene	10.829	75	46804	19.149	ug/l	98
49) cis-1,3-Dichloropropene	10.312	75	51256	19.814	ug/l	96
50) 1,1,2-Trichloroethane	11.012	97	27268	19.319	ug/l	97
51) Ethyl methacrylate	10.871	69	49228	18.768	ug/l	95
52) 1,3-Dichloropropane	11.159	76	49662	19.740	ug/l	99
53) Dibromochloromethane	11.353	129	29962	19.406	ug/l	99
54) 1,2-Dibromoethane	11.465	107	27931	19.603	ug/l	99
55) 2-Chloroethyl vinyl ether	10.159	63	98312	99.189	ug/l	99
56) Bromoform	12.576	173	18754	18.566	ug/l	98
58) 4-Methyl-2-Pentanone	10.441	43	214641	99.184	ug/l	99
59) 2-Hexanone	11.194	43	158086	98.104	ug/l	99
61) Tetrachloroethene	11.100	164	27738	19.697	ug/l	98
62) Toluene	10.624	91	128682	20.118	ug/l	100
64) Chlorobenzene	11.888	112	77123	19.736	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.959	131	26021	20.177	ug/l	98
66) Ethyl Benzene	11.959	91	139309	19.639	ug/l	98
67) m/p-Xylenes	12.071	106	101714	38.563	ug/l	98
68) o-Xylene	12.394	106	52037	20.058	ug/l	98
69) Styrene	12.406	104	83949	19.187	ug/l	99
70) Isopropylbenzene	12.694	105	123201	19.260	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.935	83	37233	20.449	ug/l	98
72) 1,2,3-Trichloropropane	12.994	75	36376m	19.193	ug/l	
73) Bromobenzene	12.976	156	27272	19.245	ug/l	99
74) n-propylbenzene	13.029	91	143093	18.944	ug/l	100
75) 2-Chlorotoluene	13.123	91	92645	19.514	ug/l	99
76) 1,3,5-Trimethylbenzene	13.170	105	99973	19.025	ug/l	98
77) t-1,4-Dichloro-2-butene	12.735	75	16490	18.869	ug/l	92
78) 4-Chlorotoluene	13.218	91	90011	18.983	ug/l	98
79) tert-butylbenzene	13.435	119	86567	19.039	ug/l	99
80) 1,2,4-Trimethylbenzene	13.476	105	100765	18.911	ug/l	100
81) sec-Butylbenzene	13.612	105	119744	18.880	ug/l	99
82) p-Isopropyltoluene	13.729	119	97324	18.394	ug/l	99
83) 1,3-Dichlorobenzene	13.729	146	48725	18.499	ug/l	98
84) 1,4-Dichlorobenzene	13.806	146	47819	18.098	ug/l	98
85) n-Butylbenzene	14.053	91	84791	17.764	ug/l	98
86) Hexachloroethane	14.329	117	17164	19.231	ug/l	96
87) 1,2-Dichlorobenzene	14.100	146	48868	18.791	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.717	75	7385	17.808	ug/l	97
89) 1,2,4-Trichlorobenzene	15.835	180	21063	16.646	ug/l	98
90) Hexachlorobutadiene	15.494	225	8007	14.656	ug/l	96
91) Naphthalene	15.635	128	83203	16.677	ug/l	99
92) 1,2,3-Trichlorobenzene	15.835	180	21063	16.646	ug/l	98

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

