

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011625\
 Data File : VX044665.D
 Acq On : 16 Jan 2025 11:45
 Operator :
 Sample : VSTDICV020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICSVX011625

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 01/17/2025
 Supervised By :Semsettin Yesilyurt 01/17/2025

Quant Time: Jan 17 01:23:46 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X011625W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jan 17 01:21:41 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	4.885	128	29298	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.751	114	160571	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.049	117	139330	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.946	65	84347	29.821	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	99.400%		
60) 4-Bromofluorobenzene	11.079	95	80701	29.820	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	99.400%		
63) Toluene-d8	8.641	98	232185	30.639	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	102.133%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	53424	20.509	ug/l	100
3) Chloromethane	1.295	50	52336	19.100	ug/l	98
4) Vinyl Chloride	1.374	62	54565	20.352	ug/l	96
5) Bromomethane	1.593	94	12546	19.362	ug/l	96
6) Chloroethane	1.660	64	8061	18.963	ug/l	90
7) Trichlorofluoromethane	1.868	101	62375	21.244	ug/l	98
8) Diethyl Ether	2.130	74	23504	20.751	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.319	101	45499	21.630	ug/l	97
10) 1,1-Dichloroethene	2.307	96	44362	20.500	ug/l	94
11) Methyl Iodide	2.441	142	59655	19.893	ug/l	99
12) Methyl Acetate	2.703	43	66878	21.168	ug/l	99
13) Acrolein	2.233	56	35040	100.289	ug/l	95
14) Acrylonitrile	3.063	53	122153	106.105	ug/l	99
15) Acetone	2.380	58	35259	114.138	ug/l	96
16) Carbon Disulfide	2.502	76	124187	20.650	ug/l	98
17) Allyl chloride	2.654	41	81222	20.812	ug/l	98
18) Methylene Chloride	2.782	84	47896	19.777	ug/l	97
19) trans-1,2-Dichloroethene	3.081	96	44022	20.458	ug/l	98
20) Diisopropyl ether	3.751	45	149298	21.077	ug/l	91
21) 1,1-Dichloroethane	3.599	63	86579	20.604	ug/l	97
22) cis-1,2-Dichloroethene	4.477	96	54227	20.361	ug/l	97
23) tert-Butyl Alcohol	2.977	59	58148m	104.428	ug/l	
24) Methyl tert-Butyl Ether	3.111	73	154776	20.642	ug/l	100
25) Chloroform	5.087	83	85547	20.489	ug/l	100
26) Cyclohexane	5.452	56	75766	21.454	ug/l #	99
29) 1,1-Dichloropropene	5.684	75	58948	21.106	ug/l	98
30) 2-Butanone	4.550	43	164211	107.032	ug/l	99
31) 2,2-Dichloropropane	4.459	77	80657	20.869	ug/l	98
32) 1,1,1-Trichloroethane	5.367	97	75959	20.522	ug/l	98
33) Carbon Tetrachloride	5.666	117	65248	20.898	ug/l	98
34) Benzene	6.025	78	186228	20.899	ug/l	99
35) Methacrylonitrile	4.916	41	35936	20.958	ug/l	97
36) 1,2-Dichloroethane	6.074	62	65234	20.476	ug/l	99
37) Trichloroethene	7.117	130	44428	20.651	ug/l	96
38) Methylcyclohexane	7.367	83	82917	21.851	ug/l	99
39) 1,2-Dichloropropane	7.421	63	46323	20.847	ug/l	99
40) Dibromomethane	7.574	93	33792	20.456	ug/l	98
41) Bromodichloromethane	7.812	83	69184	20.283	ug/l	99
42) Vinyl Acetate	3.715	43	653209	107.208	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.709	43	63189	20.996	ug/l	# 94
44) Isopropyl Acetate	6.330	43	112593	20.825	ug/l	99
45) 1,4-Dioxane	7.665	88	20798	403.967	ug/l	98
46) Methyl methacrylate	7.690	41	52648	19.893	ug/l	97
47) n-amyl Acetate	10.842	43	94494	20.825	ug/l	100
48) t-1,3-Dichloropropene	8.976	75	72357	20.098	ug/l	97
49) cis-1,3-Dichloropropene	8.360	75	78714	20.389	ug/l	98
50) 1,1,2-Trichloroethane	9.147	97	44166	20.759	ug/l	96
51) Ethyl methacrylate	9.116	69	75458	20.416	ug/l	99
52) 1,3-Dichloropropane	9.305	76	75839	20.610	ug/l	99
53) Dibromochloromethane	9.519	129	50936	20.035	ug/l	97
54) 1,2-Dibromoethane	9.604	107	46228	20.554	ug/l	100
55) 2-Chloroethyl vinyl ether	8.238	63	186582	104.044	ug/l	99
56) Bromoform	10.799	173	33539	19.895	ug/l	99
58) 4-Methyl-2-Pentanone	8.568	43	319324	108.729	ug/l	100
59) 2-Hexanone	9.427	43	234903	109.252	ug/l	100
61) Tetrachloroethene	9.269	164	34875	20.867	ug/l	98
62) Toluene	8.714	91	189672	20.674	ug/l	98
64) Chlorobenzene	10.073	112	116597	20.464	ug/l	97
65) 1,1,1,2-Tetrachloroethane	10.159	131	42670	20.848	ug/l	99
66) Ethyl Benzene	10.189	91	208544	20.829	ug/l	99
67) m/p-Xylenes	10.299	106	155664	42.296	ug/l	99
68) o-Xylene	10.640	106	78615	21.283	ug/l	98
69) Styrene	10.653	104	128207	21.140	ug/l	99
70) Isopropylbenzene	10.957	105	195561	21.060	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.207	83	67246	21.542	ug/l	97
72) 1,2,3-Trichloropropane	11.238	75	56182m	21.393	ug/l	
73) Bromobenzene	11.195	156	44149	20.409	ug/l	99
74) n-propylbenzene	11.299	91	222144	21.062	ug/l	100
75) 2-Chlorotoluene	11.360	91	141333	21.314	ug/l	98
76) 1,3,5-Trimethylbenzene	11.451	105	158538	21.023	ug/l	100
77) t-1,4-Dichloro-2-butene	11.018	75	25324	20.382	ug/l	100
78) 4-Chlorotoluene	11.451	91	151852	20.783	ug/l	99
79) tert-butylbenzene	11.713	119	164869	21.282	ug/l	99
80) 1,2,4-Trimethylbenzene	11.750	105	159250	20.931	ug/l	99
81) sec-Butylbenzene	11.890	105	198156	21.421	ug/l	99
82) p-Isopropyltoluene	12.006	119	159684	20.974	ug/l	99
83) 1,3-Dichlorobenzene	11.969	146	79203	20.613	ug/l	99
84) 1,4-Dichlorobenzene	12.036	146	78388	20.811	ug/l	99
85) n-Butylbenzene	12.329	91	137083	20.771	ug/l	99
86) Hexachloroethane	12.536	117	34558	20.633	ug/l	98
87) 1,2-Dichlorobenzene	12.335	146	81365	21.206	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	12.939	75	15325	20.383	ug/l	100
89) 1,2,4-Trichlorobenzene	13.585	180	47882	20.081	ug/l	99
90) Hexachlorobutadiene	13.725	225	18952	20.548	ug/l	97
91) Naphthalene	13.774	128	188608	21.143	ug/l	99
92) 1,2,3-Trichlorobenzene	13.957	180	48948	20.183	ug/l	100

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

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