

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX013025\
 Data File : VX044770.D
 Acq On : 30 Jan 2025 09:55
 Operator : JC/MD
 Sample : VX0130WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0130WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/30/2025
 Supervised By : Semsettin Yesilyurt 01/31/2025

Quant Time: Jan 30 12:08:49 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	25818	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.751	114	146320	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.049	117	136752	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.946	65	67999	27.282	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	90.933%#		
60) 4-Bromofluorobenzene	11.079	95	78155	29.424	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	98.067%		
63) Toluene-d8	8.641	98	221796	29.820	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	99.400%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	42788	18.640	ug/l	99
3) Chloromethane	1.307	50	50898	21.079	ug/l	100
4) Vinyl Chloride	1.374	62	49323	20.877	ug/l	95
5) Bromomethane	1.593	94	12935	22.653	ug/l	90
6) Chloroethane	1.666	64	21953	58.603	ug/l	92
7) Trichlorofluoromethane	1.874	101	61058	23.598	ug/l	100
8) Diethyl Ether	2.130	74	18627	18.662	ug/l	89
9) 1,1,2-Trichlorotrifluo...	2.319	101	37645	20.309	ug/l	96
10) 1,1-Dichloroethene	2.313	96	35406	18.566	ug/l	93
11) Methyl Iodide	2.447	142	48100	18.201	ug/l	92
12) Methyl Acetate	2.697	43	55817	20.049	ug/l	92
13) Acrolein	2.233	56	37438	121.596	ug/l	100
14) Acrylonitrile	3.056	53	92738	91.412	ug/l	98
15) Acetone	2.380	58	26088	95.833	ug/l	84
16) Carbon Disulfide	2.502	76	91412	17.249	ug/l	100
17) Allyl chloride	2.654	41	65296	18.986	ug/l	95
18) Methylene Chloride	2.782	84	37987	17.800	ug/l	98
19) trans-1,2-Dichloroethene	3.081	96	34149	18.009	ug/l	94
20) Diisopropyl ether	3.757	45	120496	19.304	ug/l	98
21) 1,1-Dichloroethane	3.599	63	69887	18.874	ug/l	98
22) cis-1,2-Dichloroethene	4.477	96	48899	20.835	ug/l	100
23) tert-Butyl Alcohol	2.977	59	43878	89.422	ug/l #	100
24) Methyl tert-Butyl Ether	3.111	73	123065	18.625	ug/l	94
25) Chloroform	5.080	83	74290	20.191	ug/l	99
26) Cyclohexane	5.458	56	69851	22.445	ug/l #	97
29) 1,1-Dichloropropene	5.684	75	51501	20.236	ug/l	98
30) 2-Butanone	4.550	43	154784	110.714	ug/l	99
31) 2,2-Dichloropropane	4.459	77	65716	18.659	ug/l	100
32) 1,1,1-Trichloroethane	5.373	97	63139	18.720	ug/l	97
33) Carbon Tetrachloride	5.666	117	53246	18.715	ug/l	99
34) Benzene	6.025	78	167850	20.672	ug/l	99
35) Methacrylonitrile	4.916	41	34143	21.851	ug/l	96
36) 1,2-Dichloroethane	6.080	62	52562	18.105	ug/l	99
37) Trichloroethene	7.117	130	38469	19.623	ug/l	97
38) Methylcyclohexane	7.373	83	73517	21.260	ug/l	98
39) 1,2-Dichloropropane	7.421	63	41771	20.630	ug/l	97
40) Dibromomethane	7.574	93	29408	19.536	ug/l	97
41) Bromodichloromethane	7.818	83	59751	19.223	ug/l	98
42) Vinyl Acetate	3.715	43	513765	92.534	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.709	43	56770	20.700	ug/l	# 93
44) Isopropyl Acetate	6.330	43	99533	20.202	ug/l	99
45) 1,4-Dioxane	7.659	88	20119	428.839	ug/l	96
46) Methyl methacrylate	7.690	41	48131	19.958	ug/l	98
47) n-amyl Acetate	10.842	43	89525	21.652	ug/l	99
48) t-1,3-Dichloropropene	8.976	75	62622	19.088	ug/l	99
49) cis-1,3-Dichloropropene	8.360	75	71139	20.222	ug/l	97
50) 1,1,2-Trichloroethane	9.147	97	41359	21.333	ug/l	97
51) Ethyl methacrylate	9.110	69	69275	20.569	ug/l	97
52) 1,3-Dichloropropane	9.305	76	71019	21.180	ug/l	98
53) Dibromochloromethane	9.519	129	45847	19.790	ug/l	98
54) 1,2-Dibromoethane	9.604	107	42560	20.766	ug/l	99
55) 2-Chloroethyl vinyl ether	8.232	63	190226	116.407	ug/l	99
56) Bromoform	10.799	173	30300	19.724	ug/l	99
58) 4-Methyl-2-Pentanone	8.568	43	309380	107.329	ug/l	99
59) 2-Hexanone	9.427	43	226620	107.387	ug/l	99
61) Tetrachloroethene	9.269	164	33435	20.382	ug/l	95
62) Toluene	8.714	91	184763	20.519	ug/l	97
64) Chlorobenzene	10.073	112	115580	20.667	ug/l	98
65) 1,1,1,2-Tetrachloroethane	10.159	131	38028	18.930	ug/l	98
66) Ethyl Benzene	10.189	91	199600	20.311	ug/l	97
67) m/p-Xylenes	10.299	106	154088	42.657	ug/l	95
68) o-Xylene	10.640	106	76914	21.215	ug/l	95
69) Styrene	10.653	104	126099	21.185	ug/l	97
70) Isopropylbenzene	10.957	105	194267	21.315	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.207	83	64268	20.976	ug/l	98
72) 1,2,3-Trichloropropane	11.238	75	52333m	20.303	ug/l	
73) Bromobenzene	11.195	156	43859	20.657	ug/l	97
74) n-propylbenzene	11.299	91	227698	21.995	ug/l	99
75) 2-Chlorotoluene	11.360	91	136192	20.926	ug/l	97
76) 1,3,5-Trimethylbenzene	11.451	105	158914	21.470	ug/l	99
77) t-1,4-Dichloro-2-butene	11.018	75	22197	18.202	ug/l	95
78) 4-Chlorotoluene	11.451	91	149972	20.913	ug/l	95
79) tert-butylbenzene	11.713	119	162335	21.349	ug/l	98
80) 1,2,4-Trimethylbenzene	11.750	105	156912	21.012	ug/l	98
81) sec-Butylbenzene	11.890	105	202851	22.341	ug/l	99
82) p-Isopropyltoluene	12.006	119	164454	22.008	ug/l	99
83) 1,3-Dichlorobenzene	11.969	146	78935	20.931	ug/l	99
84) 1,4-Dichlorobenzene	12.036	146	79469	21.495	ug/l	99
85) n-Butylbenzene	12.329	91	145814	22.511	ug/l	99
86) Hexachloroethane	12.536	117	32730	19.910	ug/l	99
87) 1,2-Dichlorobenzene	12.335	146	80690	21.427	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	12.939	75	12199	16.531	ug/l	91
89) 1,2,4-Trichlorobenzene	13.585	180	48084	20.546	ug/l	99
90) Hexachlorobutadiene	13.719	225	20062	22.162	ug/l	100
91) Naphthalene	13.774	128	177451	20.267	ug/l	99
92) 1,2,3-Trichlorobenzene	13.957	180	49129	20.640	ug/l	99

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

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