

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031425\
 Data File : VX045286.D
 Acq On : 14 Mar 2025 10:50
 Operator : JC/MD
 Sample : VX0314WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0314WBS01

Quant Time: Mar 15 03:52:57 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X022125W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Feb 22 01:06:36 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	4.891	128	16027	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.757	114	88526	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.049	117	80688	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.946	65	51350	32.988	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	= 109.967%	
60) 4-Bromofluorobenzene	11.079	95	46424	30.782	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	= 102.600%	
63) Toluene-d8	8.646	98	137890	30.891	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	= 102.967%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	26148	19.354	ug/l	92
3) Chloromethane	1.300	50	28918	17.870	ug/l	95
4) Vinyl Chloride	1.373	62	25871	16.568	ug/l	100
5) Bromomethane	1.593	94	11125	20.468	ug/l	98
6) Chloroethane	1.666	64	14379	17.002	ug/l	100
7) Trichlorofluoromethane	1.867	101	37504	17.870	ug/l	93
8) Diethyl Ether	2.129	74	12666	15.951	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.318	101	24242	19.449	ug/l	97
10) 1,1-Dichloroethene	2.306	96	22775	18.707	ug/l	84
11) Methyl Iodide	2.440	142	27411	19.892	ug/l	98
12) Methyl Acetate	2.702	43	40788	28.850	ug/l	98
13) Acrolein	2.233	56	24059	84.899	ug/l	100
14) Acrylonitrile	3.062	53	72442	104.901	ug/l	97
15) Acetone	2.385	58	22646	119.570	ug/l	95
16) Carbon Disulfide	2.501	76	53918	15.613	ug/l	99
17) Allyl chloride	2.654	41	41715	18.319	ug/l	98
18) Methylene Chloride	2.782	84	26057	19.028	ug/l	98
19) trans-1,2-Dichloroethene	3.080	96	22728	18.452	ug/l	92
20) Diisopropyl ether	3.757	45	83369	19.052	ug/l	92
21) 1,1-Dichloroethane	3.599	63	46141	18.960	ug/l	100
22) cis-1,2-Dichloroethene	4.476	96	27141	18.388	ug/l	95
23) tert-Butyl Alcohol	2.977	59	21962	91.097	ug/l #	100
24) Methyl tert-Butyl Ether	3.111	73	74561	18.764	ug/l	97
25) Chloroform	5.080	83	45989	19.564	ug/l	98
26) Cyclohexane	5.458	56	39967	17.792	ug/l #	97
29) 1,1-Dichloropropene	5.690	75	30317	18.617	ug/l	99
30) 2-Butanone	4.556	43	106830	113.578	ug/l	99
31) 2,2-Dichloropropane	4.464	77	31589	17.155	ug/l	99
32) 1,1,1-Trichloroethane	5.373	97	37094	18.800	ug/l	98
33) Carbon Tetrachloride	5.665	117	32166	19.317	ug/l	93
34) Benzene	6.031	78	95210	18.644	ug/l	97
35) Methacrylonitrile	4.922	41	21141	21.004	ug/l	97
36) 1,2-Dichloroethane	6.080	62	35379	20.235	ug/l	97
37) Trichloroethene	7.122	130	22590	18.908	ug/l	98
38) Methylcyclohexane	7.372	83	40108	18.343	ug/l	99
39) 1,2-Dichloropropane	7.427	63	24251	19.101	ug/l	98
40) Dibromomethane	7.580	93	18375	20.168	ug/l	97
41) Bromodichloromethane	7.817	83	35807	19.774	ug/l	98
42) Vinyl Acetate	3.714	43	332676	91.144	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.714	43	35199	19.955	ug/l	98
44) Isopropyl Acetate	6.336	43	55917	19.261	ug/l	97
45) 1,4-Dioxane	7.659	88	10638	352.489	ug/l	97
46) Methyl methacrylate	7.689	41	28686	20.151	ug/l	93
47) n-amyl Acetate	10.841	43	47912	19.019	ug/l	100
48) t-1,3-Dichloropropene	8.976	75	29844	17.099	ug/l	96
49) cis-1,3-Dichloropropene	8.360	75	34894	17.661	ug/l	95
50) 1,1,2-Trichloroethane	9.146	97	22966	19.325	ug/l	92
51) Ethyl methacrylate	9.116	69	35374	18.927	ug/l	97
52) 1,3-Dichloropropane	9.305	76	41412	19.888	ug/l	99
53) Dibromochloromethane	9.518	129	26074	19.838	ug/l	100
54) 1,2-Dibromoethane	9.604	107	23935	19.834	ug/l	97
55) 2-Chloroethyl vinyl ether	8.238	63	95369	99.365	ug/l	99
56) Bromoform	10.799	173	15851	19.246	ug/l	99
58) 4-Methyl-2-Pentanone	8.573	43	202990	110.592	ug/l	100
59) 2-Hexanone	9.427	43	150297	113.286	ug/l	99
61) Tetrachloroethene	9.268	164	19861	19.989	ug/l	98
62) Toluene	8.714	91	102099	19.101	ug/l	98
64) Chlorobenzene	10.079	112	62926	18.998	ug/l	98
65) 1,1,1,2-Tetrachloroethane	10.158	131	20981	19.197	ug/l	98
66) Ethyl Benzene	10.189	91	111664	19.082	ug/l	94
67) m/p-Xylenes	10.299	106	84024	38.538	ug/l	97
68) o-Xylene	10.640	106	41215	19.266	ug/l	99
69) Styrene	10.652	104	67348	18.850	ug/l	97
70) Isopropylbenzene	10.957	105	108595	19.671	ug/l	98
71) 1,1,2,2-Tetrachloroethane	11.213	83	37905	20.881	ug/l	99
72) 1,2,3-Trichloropropane	11.237	75	30748m	20.593	ug/l	
73) Bromobenzene	11.195	156	24655	19.400	ug/l	97
74) n-propylbenzene	11.298	91	127460	19.402	ug/l	99
75) 2-Chlorotoluene	11.359	91	78036	19.648	ug/l	98
76) 1,3,5-Trimethylbenzene	11.451	105	88806	19.499	ug/l	100
77) t-1,4-Dichloro-2-butene	11.018	75	9001	17.918	ug/l	75
78) 4-Chlorotoluene	11.451	91	86271	19.486	ug/l	97
79) tert-butylbenzene	11.713	119	89649	19.537	ug/l	98
80) 1,2,4-Trimethylbenzene	11.750	105	90836	19.911	ug/l	100
81) sec-Butylbenzene	11.890	105	112033	19.453	ug/l	100
82) p-Isopropyltoluene	12.006	119	91002	19.502	ug/l	99
83) 1,3-Dichlorobenzene	11.969	146	45537	19.258	ug/l	99
84) 1,4-Dichlorobenzene	12.036	146	44970	19.289	ug/l	99
85) n-Butylbenzene	12.329	91	81061	19.023	ug/l	99
86) Hexachloroethane	12.536	117	15708	19.087	ug/l	100
87) 1,2-Dichlorobenzene	12.335	146	46343	19.975	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	12.938	75	7473	21.262	ug/l	92
89) 1,2,4-Trichlorobenzene	13.585	180	25507	18.140	ug/l	97
90) Hexachlorobutadiene	13.725	225	11137	19.421	ug/l	97
91) Naphthalene	13.774	128	93373	18.832	ug/l	100
92) 1,2,3-Trichlorobenzene	13.963	180	26807	18.518	ug/l	98

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

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