

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX020725\
 Data File : VX044857.D
 Acq On : 07 Feb 2025 10:33
 Operator : JC/MD
 Sample : VX0207WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0207WBS01

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

Quant Time: Feb 07 22:11:00 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	21269	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.751	114	121245	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.049	117	109254	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	59056	28.762	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	95.867%
60) 4-Bromofluorobenzene	11.079	95	61180	28.830	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	96.100%
63) Toluene-d8	8.641	98	177307	29.838	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	99.467%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	37184	19.663	ug/l	98
3) Chloromethane	1.307	50	43711	21.974	ug/l	96
4) Vinyl Chloride	1.374	62	40820	20.973	ug/l	95
5) Bromomethane	1.593	94	11977	25.461	ug/l	90
6) Chloroethane	1.666	64	20410	66.137	ug/l	98
7) Trichlorofluoromethane	1.874	101	55621	26.095	ug/l	97
8) Diethyl Ether	2.130	74	20315	24.706	ug/l	94
9) 1,1,2-Trichlorotrifluo...	2.319	101	34039	22.291	ug/l	97
10) 1,1-Dichloroethene	2.306	96	32740	20.840	ug/l	92
11) Methyl Iodide	2.441	142	44608	20.490	ug/l	98
12) Methyl Acetate	2.697	43	59881	26.109	ug/l	98
13) Acrolein	2.233	56	28978	114.248	ug/l	96
14) Acrylonitrile	3.056	53	98759	118.168	ug/l	100
15) Acetone	2.380	58	28163	125.583	ug/l	97
16) Carbon Disulfide	2.501	76	84493	19.353	ug/l	100
17) Allyl chloride	2.654	41	60600	21.390	ug/l	99
18) Methylene Chloride	2.782	84	37448	21.300	ug/l	97
19) trans-1,2-Dichloroethene	3.081	96	33525	21.461	ug/l	98
20) Diisopropyl ether	3.757	45	118201	22.986	ug/l	97
21) 1,1-Dichloroethane	3.599	63	65967	21.625	ug/l	97
22) cis-1,2-Dichloroethene	4.477	96	40529	20.962	ug/l	99
23) tert-Butyl Alcohol	2.977	59	39884	98.667	ug/l #	100
24) Methyl tert-Butyl Ether	3.105	73	108960	20.017	ug/l	99
25) Chloroform	5.086	83	63510	20.953	ug/l	95
26) Cyclohexane	5.458	56	58370	22.767	ug/l #	96
29) 1,1-Dichloropropene	5.684	75	43920	20.826	ug/l	99
30) 2-Butanone	4.550	43	139293	120.239	ug/l	98
31) 2,2-Dichloropropane	4.465	77	54018	18.510	ug/l	99
32) 1,1,1-Trichloroethane	5.367	97	53562	19.165	ug/l	96
33) Carbon Tetrachloride	5.666	117	44831	19.016	ug/l	98
34) Benzene	6.031	78	141391	21.014	ug/l	98
35) Methacrylonitrile	4.910	41	28566	22.063	ug/l	94
36) 1,2-Dichloroethane	6.074	62	46552	19.351	ug/l	98
37) Trichloroethene	7.117	130	32029	19.717	ug/l	86
38) Methylcyclohexane	7.373	83	61035	21.301	ug/l	99
39) 1,2-Dichloropropane	7.421	63	34609	20.627	ug/l	94
40) Dibromomethane	7.574	93	24453	19.604	ug/l	98
41) Bromodichloromethane	7.818	83	48201	18.715	ug/l	100
42) Vinyl Acetate	3.715	43	465984	101.286	ug/l	97

02/10/2025
 Supervised By :Mahesh
 Radoda

02/10/2025

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
43) Ethyl Acetate	4.702	43	46596	20.504	ug/l	#	94
44) Isopropyl Acetate	6.330	43	82345	20.170	ug/l		99
45) 1,4-Dioxane	7.659	88	18797	483.522	ug/l		95
46) Methyl methacrylate	7.690	41	40679	20.356	ug/l		96
47) n-amyl Acetate	10.841	43	70357	20.535	ug/l		98
48) t-1,3-Dichloropropene	8.976	75	48303	17.768	ug/l		96
49) cis-1,3-Dichloropropene	8.360	75	55284	18.965	ug/l		97
50) 1,1,2-Trichloroethane	9.147	97	33205	20.669	ug/l		99
51) Ethyl methacrylate	9.110	69	55040	19.722	ug/l		97
52) 1,3-Dichloropropane	9.305	76	59019	21.241	ug/l		100
53) Dibromochloromethane	9.518	129	35882	18.692	ug/l		96
54) 1,2-Dibromoethane	9.604	107	34128	20.096	ug/l		99
55) 2-Chloroethyl vinyl ether	8.238	63	119921	88.561	ug/l		98
56) Bromoform	10.799	173	22766	17.885	ug/l		99
58) 4-Methyl-2-Pentanone	8.567	43	275743	119.736	ug/l		97
59) 2-Hexanone	9.427	43	200781	119.089	ug/l		98
61) Tetrachloroethene	9.269	164	27372	20.886	ug/l		97
62) Toluene	8.714	91	148799	20.684	ug/l		97
64) Chlorobenzene	10.079	112	93373	20.899	ug/l		99
65) 1,1,1,2-Tetrachloroethane	10.159	131	30035	18.714	ug/l		98
66) Ethyl Benzene	10.189	91	163074	20.771	ug/l		97
67) m/p-Xylenes	10.299	106	124105	43.004	ug/l		97
68) o-Xylene	10.640	106	62397	21.543	ug/l		96
69) Styrene	10.652	104	102036	21.456	ug/l		98
70) Isopropylbenzene	10.957	105	157556	21.638	ug/l		100
71) 1,1,2,2-Tetrachloroethane	11.207	83	54041	22.077	ug/l		97
72) 1,2,3-Trichloropropane	11.238	75	44167m	21.447	ug/l		
73) Bromobenzene	11.195	156	36206	21.344	ug/l		96
74) n-propylbenzene	11.299	91	186093	22.501	ug/l		99
75) 2-Chlorotoluene	11.360	91	112763	21.687	ug/l		99
76) 1,3,5-Trimethylbenzene	11.451	105	130479	22.066	ug/l		100
77) t-1,4-Dichloro-2-butene	11.018	75	16282	16.712	ug/l		97
78) 4-Chlorotoluene	11.451	91	124166	21.672	ug/l		98
79) tert-butylbenzene	11.713	119	131098	21.581	ug/l		99
80) 1,2,4-Trimethylbenzene	11.750	105	130174	21.819	ug/l		97
81) sec-Butylbenzene	11.890	105	166220	22.915	ug/l		98
82) p-Isopropyltoluene	12.006	119	134700	22.563	ug/l		98
83) 1,3-Dichlorobenzene	11.969	146	66475	22.063	ug/l		98
84) 1,4-Dichlorobenzene	12.036	146	65439	22.155	ug/l		98
85) n-Butylbenzene	12.329	91	120902	23.362	ug/l		98
86) Hexachloroethane	12.536	117	24368	18.555	ug/l		98
87) 1,2-Dichlorobenzene	12.335	146	65920	21.910	ug/l		99
88) 1,2-Dibromo-3-Chloropr...	12.939	75	10040	17.029	ug/l		95
89) 1,2,4-Trichlorobenzene	13.585	180	39458	21.104	ug/l		99
90) Hexachlorobutadiene	13.725	225	15995	22.117	ug/l		97
91) Naphthalene	13.774	128	143375	20.497	ug/l		100
92) 1,2,3-Trichlorobenzene	13.957	180	39356	20.695	ug/l		99

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

