

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022625\
 Data File : VX045045.D
 Acq On : 26 Feb 2025 10:36
 Operator : JC/MD
 Sample : VX0226WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0226WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/27/2025
 Supervised By : Mahesh Dadoda 02/27/2025

Quant Time: Feb 27 05:10:51 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	20343	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.751	114	110538	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.049	117	100826	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.946	65	58836	29.778	ug/l	0.00
Spiked Amount 30.000	Range	91 - 110	Recovery	=	99.267%	
60) 4-Bromofluorobenzene	11.079	95	56507	29.984	ug/l	0.00
Spiked Amount 30.000	Range	63 - 112	Recovery	=	99.933%	
63) Toluene-d8	8.647	98	167887	30.099	ug/l	0.00
Spiked Amount 30.000	Range	91 - 112	Recovery	=	100.333%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	32879	19.173	ug/l	96
3) Chloromethane	1.300	50	37334	18.176	ug/l	97
4) Vinyl Chloride	1.374	62	36798	18.566	ug/l	100
5) Bromomethane	1.593	94	14090	20.423	ug/l	94
6) Chloroethane	1.672	64	20541	19.135	ug/l	93
7) Trichlorofluoromethane	1.874	101	52013	19.526	ug/l	95
8) Diethyl Ether	2.130	74	18794	18.647	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.319	101	30863	19.507	ug/l	98
10) 1,1-Dichloroethene	2.313	96	29623	19.169	ug/l	97
11) Methyl Iodide	2.447	142	32636	18.659	ug/l	97
12) Methyl Acetate	2.703	43	41576	23.168	ug/l	98
13) Acrolein	2.233	56	45946	127.735	ug/l	100
14) Acrylonitrile	3.056	53	93366	106.516	ug/l	99
15) Acetone	2.380	58	31279	130.113	ug/l	94
16) Carbon Disulfide	2.501	76	78848	17.988	ug/l	98
17) Allyl chloride	2.654	41	55326	19.142	ug/l	100
18) Methylene Chloride	2.782	84	33726	19.403	ug/l	97
19) trans-1,2-Dichloroethene	3.087	96	29168	18.656	ug/l	95
20) Diisopropyl ether	3.757	45	108889	19.604	ug/l #	84
21) 1,1-Dichloroethane	3.599	63	59345	19.212	ug/l	98
22) cis-1,2-Dichloroethene	4.477	96	35877	19.149	ug/l	98
23) tert-Butyl Alcohol	2.965	59	31193	101.936	ug/l #	100
24) Methyl tert-Butyl Ether	3.111	73	97876	19.405	ug/l	99
25) Chloroform	5.086	83	59439	19.921	ug/l	97
26) Cyclohexane	5.458	56	54170	18.998	ug/l #	98
29) 1,1-Dichloropropene	5.684	75	40280	19.809	ug/l	99
30) 2-Butanone	4.550	43	138311	117.765	ug/l	99
31) 2,2-Dichloropropane	4.465	77	44048	19.158	ug/l	99
32) 1,1,1-Trichloroethane	5.373	97	48297	19.603	ug/l	99
33) Carbon Tetrachloride	5.672	117	41550	19.983	ug/l	98
34) Benzene	6.031	78	127732	20.032	ug/l	98
35) Methacrylonitrile	4.910	41	27436	21.830	ug/l	94
36) 1,2-Dichloroethane	6.080	62	44403	20.339	ug/l	98
37) Trichloroethene	7.117	130	29139	19.533	ug/l	97
38) Methylcyclohexane	7.373	83	53544	19.612	ug/l	98
39) 1,2-Dichloropropane	7.427	63	31847	20.089	ug/l	98
40) Dibromomethane	7.574	93	23240	20.429	ug/l	99
41) Bromodichloromethane	7.818	83	45278	20.025	ug/l	98
42) Vinyl Acetate	3.715	43	451500	99.066	ug/l	100

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Quant Time: Feb 27 05:10:51 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)
43) Ethyl Acetate	4.708	43	46488	21.107	ug/l	97
44) Isopropyl Acetate	6.336	43	77209	21.299	ug/l	97
45) 1,4-Dioxane	7.659	88	14948	396.669	ug/l	97
46) Methyl methacrylate	7.690	41	36819	20.714	ug/l	98
47) n-amyl Acetate	10.841	43	61833	19.657	ug/l	100
48) t-1,3-Dichloropropene	8.976	75	41398	18.995	ug/l	96
49) cis-1,3-Dichloropropene	8.360	75	48216	19.544	ug/l	99
50) 1,1,2-Trichloroethane	9.147	97	30140	20.312	ug/l	96
51) Ethyl methacrylate	9.116	69	46741	20.028	ug/l	98
52) 1,3-Dichloropropane	9.305	76	53307	20.502	ug/l	100
53) Dibromochloromethane	9.519	129	33646	20.501	ug/l	97
54) 1,2-Dibromoethane	9.604	107	30522	20.256	ug/l	100
55) 2-Chloroethyl vinyl ether	8.238	63	111478	93.019	ug/l	99
56) Bromoform	10.799	173	21592	20.996	ug/l	98
58) 4-Methyl-2-Pentanone	8.567	43	259586	113.179	ug/l	100
59) 2-Hexanone	9.427	43	189089	114.059	ug/l	99
61) Tetrachloroethene	9.269	164	25317	20.391	ug/l	99
62) Toluene	8.714	91	134564	20.147	ug/l	98
64) Chlorobenzene	10.073	112	83535	20.183	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.159	131	28117	20.588	ug/l	99
66) Ethyl Benzene	10.189	91	145722	19.928	ug/l	97
67) m/p-Xylenes	10.299	106	111001	40.743	ug/l	99
68) o-Xylene	10.640	106	55163	20.636	ug/l	98
69) Styrene	10.652	104	90033	20.166	ug/l	99
70) Isopropylbenzene	10.957	105	140445	20.359	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.207	83	48464	21.365	ug/l	98
72) 1,2,3-Trichloropropane	11.238	75	39927m	21.400	ug/l	
73) Bromobenzene	11.195	156	32409	20.408	ug/l	98
74) n-propylbenzene	11.299	91	166229	20.249	ug/l	99
75) 2-Chlorotoluene	11.360	91	101303	20.412	ug/l	99
76) 1,3,5-Trimethylbenzene	11.451	105	117644	20.672	ug/l	100
77) t-1,4-Dichloro-2-butene	11.018	75	12941	20.616	ug/l	98
78) 4-Chlorotoluene	11.451	91	110193	19.918	ug/l	100
79) tert-butylbenzene	11.713	119	118293	20.630	ug/l	98
80) 1,2,4-Trimethylbenzene	11.750	105	116650	20.463	ug/l	100
81) sec-Butylbenzene	11.890	105	148382	20.619	ug/l	99
82) p-Isopropyltoluene	12.006	119	117889	20.218	ug/l	99
83) 1,3-Dichlorobenzene	11.969	146	58782	19.895	ug/l	97
84) 1,4-Dichlorobenzene	12.036	146	57972	19.899	ug/l	99
85) n-Butylbenzene	12.329	91	103774	19.489	ug/l	97
86) Hexachloroethane	12.536	117	21130	20.548	ug/l	98
87) 1,2-Dichlorobenzene	12.335	146	58513	20.183	ug/l	100
88) 1,2-Dibromo-3-Chloropr...	12.939	75	8994	20.479	ug/l	97
89) 1,2,4-Trichlorobenzene	13.585	180	34243	19.489	ug/l	95
90) Hexachlorobutadiene	13.725	225	14926	20.830	ug/l	98
91) Naphthalene	13.774	128	121840	19.665	ug/l	99
92) 1,2,3-Trichlorobenzene	13.963	180	34235	18.925	ug/l	96

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

