

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022625\
 Data File : VX045046.D
 Acq On : 26 Feb 2025 11:03
 Operator : JC/MD
 Sample : VX0226WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0226WBSD01

Manual Integrations
 APPROVED

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

Quant Time: Feb 27 05:11:48 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	4.897	128	16155	30.000	ug/l	0.01
28) 1,4-Difluorobenzene	6.757	114	85912	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	79610	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	46599	29.699	ug/l	0.00
Spiked Amount 30.000	Range	91 - 110	Recovery	=	99.000%	
60) 4-Bromofluorobenzene	11.079	95	44246	29.735	ug/l	0.00
Spiked Amount 30.000	Range	63 - 112	Recovery	=	99.100%	
63) Toluene-d8	8.647	98	131437	29.844	ug/l	0.00
Spiked Amount 30.000	Range	91 - 112	Recovery	=	99.467%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	24628	18.084	ug/l	93
3) Chloromethane	1.307	50	28567	17.514	ug/l	98
4) Vinyl Chloride	1.374	62	26950	17.123	ug/l	98
5) Bromomethane	1.599	94	11060	20.187	ug/l	98
6) Chloroethane	1.678	64	15829	18.569	ug/l	95
7) Trichlorofluoromethane	1.880	101	39521	18.682	ug/l	96
8) Diethyl Ether	2.130	74	14714	18.384	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.325	101	23879	19.006	ug/l	98
10) 1,1-Dichloroethene	2.312	96	22559	18.382	ug/l	94
11) Methyl Iodide	2.447	142	25358	18.256	ug/l	98
12) Methyl Acetate	2.703	43	32831	23.038	ug/l	97
13) Acrolein	2.233	56	37437	131.061	ug/l	98
14) Acrylonitrile	3.062	53	77639	111.536	ug/l	100
15) Acetone	2.380	58	21369	111.933	ug/l	96
16) Carbon Disulfide	2.508	76	58279	16.742	ug/l	98
17) Allyl chloride	2.660	41	42555	18.540	ug/l	98
18) Methylene Chloride	2.782	84	25680	18.604	ug/l	95
19) trans-1,2-Dichloroethene	3.087	96	22438	18.072	ug/l	93
20) Diisopropyl ether	3.757	45	83747	18.987	ug/l	91
21) 1,1-Dichloroethane	3.605	63	45883	18.704	ug/l	98
22) cis-1,2-Dichloroethene	4.489	96	27544	18.513	ug/l	99
23) tert-Butyl Alcohol	2.959	59	28023	115.317	ug/l #	100
24) Methyl tert-Butyl Ether	3.111	73	77091	19.247	ug/l	99
25) Chloroform	5.086	83	44887	18.944	ug/l	96
26) Cyclohexane	5.458	56	40938	18.080	ug/l #	100
29) 1,1-Dichloropropene	5.690	75	30295	19.170	ug/l	99
30) 2-Butanone	4.550	43	108781	119.171	ug/l	99
31) 2,2-Dichloropropane	4.465	77	33410	18.696	ug/l	99
32) 1,1,1-Trichloroethane	5.379	97	37740	19.709	ug/l	97
33) Carbon Tetrachloride	5.672	117	31291	19.363	ug/l	94
34) Benzene	6.031	78	96096	19.390	ug/l	99
35) Methacrylonitrile	4.916	41	22011	22.534	ug/l	93
36) 1,2-Dichloroethane	6.080	62	35302	20.806	ug/l	97
37) Trichloroethene	7.116	130	22001	18.976	ug/l	100
38) Methylcyclohexane	7.373	83	39411	18.573	ug/l	99
39) 1,2-Dichloropropane	7.421	63	23946	19.435	ug/l	97
40) Dibromomethane	7.580	93	18644	21.086	ug/l	99
41) Bromodichloromethane	7.818	83	35273	20.072	ug/l	99
42) Vinyl Acetate	3.715	43	358924	101.328	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022625\
 Data File : VX045046.D
 Acq On : 26 Feb 2025 11:03
 Operator : JC/MD
 Sample : VX0226WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0226WBSD01

Manual Integrations
 APPROVED

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

Quant Time: Feb 27 05:11:48 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	4.714	43	40710	23.782	ug/l	97
44) Isopropyl Acetate	6.336	43	61094	21.684	ug/l	97
45) 1,4-Dioxane	7.659	88	14265	487.051	ug/l	98
46) Methyl methacrylate	7.696	41	30147	21.822	ug/l	95
47) n-amyl Acetate	10.841	43	51556	21.088	ug/l	99
48) t-1,3-Dichloropropene	8.976	75	31470	18.579	ug/l	98
49) cis-1,3-Dichloropropene	8.360	75	36715	19.148	ug/l	99
50) 1,1,2-Trichloroethane	9.147	97	23844	20.675	ug/l	91
51) Ethyl methacrylate	9.116	69	36135	19.922	ug/l	97
52) 1,3-Dichloropropane	9.305	76	42144	20.855	ug/l	99
53) Dibromochloromethane	9.518	129	25580	20.054	ug/l	97
54) 1,2-Dibromoethane	9.604	107	24411	20.844	ug/l	98
55) 2-Chloroethyl vinyl ether	8.238	63	89087	95.644	ug/l	100
56) Bromoform	10.799	173	17098	21.392	ug/l	97
58) 4-Methyl-2-Pentanone	8.567	43	212120	117.131	ug/l	99
59) 2-Hexanone	9.427	43	158291	120.927	ug/l	100
61) Tetrachloroethene	9.269	164	19076	19.459	ug/l	95
62) Toluene	8.714	91	101566	19.259	ug/l	98
64) Chlorobenzene	10.079	112	64173	19.637	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.159	131	21144	19.608	ug/l	97
66) Ethyl Benzene	10.189	91	110313	19.106	ug/l	97
67) m/p-Xylenes	10.299	106	83507	38.819	ug/l	98
68) o-Xylene	10.640	106	41098	19.472	ug/l	99
69) Styrene	10.652	104	70013	19.861	ug/l	98
70) Isopropylbenzene	10.957	105	107601	19.755	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.207	83	39487	22.047	ug/l	99
72) 1,2,3-Trichloropropane	11.238	75	32477m	22.046	ug/l	
73) Bromobenzene	11.195	156	25855	20.620	ug/l	94
74) n-propylbenzene	11.299	91	123853	19.108	ug/l	100
75) 2-Chlorotoluene	11.360	91	76774	19.592	ug/l	99
76) 1,3,5-Trimethylbenzene	11.451	105	88797	19.761	ug/l	97
77) t-1,4-Dichloro-2-butene	11.018	75	10420	21.024	ug/l	91
78) 4-Chlorotoluene	11.451	91	84767	19.406	ug/l	100
79) tert-butylbenzene	11.713	119	90101	19.901	ug/l	99
80) 1,2,4-Trimethylbenzene	11.750	105	89135	19.803	ug/l	99
81) sec-Butylbenzene	11.890	105	111434	19.611	ug/l	100
82) p-Isopropyltoluene	12.006	119	90700	19.700	ug/l	99
83) 1,3-Dichlorobenzene	11.969	146	46631	19.988	ug/l	99
84) 1,4-Dichlorobenzene	12.036	146	46137	20.057	ug/l	98
85) n-Butylbenzene	12.329	91	78874	18.761	ug/l	99
86) Hexachloroethane	12.536	117	15556	19.159	ug/l	98
87) 1,2-Dichlorobenzene	12.335	146	48179	21.047	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	12.945	75	7726	22.279	ug/l	96
89) 1,2,4-Trichlorobenzene	13.585	180	26121	18.828	ug/l	99
90) Hexachlorobutadiene	13.725	225	11572	20.453	ug/l	99
91) Naphthalene	13.774	128	100826	20.611	ug/l	99
92) 1,2,3-Trichlorobenzene	13.963	180	27347	19.147	ug/l	99

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

