

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030425\
 Data File : VX045120.D
 Acq On : 04 Mar 2025 09:15
 Operator : JC/MD
 Sample : VX0304WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0304WBS01

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

03/05/2025
 Supervised By :Mahesh
 Dadoda

Quant Time: Mar 05 00:44:14 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	16840	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.757	114	87021	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.049	117	81719	30.000	ug/l	0.00

System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.946	65	46987	28.728	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	95.767%
60) 4-Bromofluorobenzene	11.079	95	45963	30.091	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	100.300%
63) Toluene-d8	8.641	98	133785	29.593	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	98.633%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	28194	19.861	ug/l	93
3) Chloromethane	1.301	50	32818	19.301	ug/l	100
4) Vinyl Chloride	1.374	62	31259	19.052	ug/l	100
5) Bromomethane	1.593	94	12697	22.232	ug/l	99
6) Chloroethane	1.660	64	16152	18.177	ug/l	96
7) Trichlorofluoromethane	1.874	101	43849	19.885	ug/l	95
8) Diethyl Ether	2.130	74	15671	18.783	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.319	101	27080	20.677	ug/l	97
10) 1,1-Dichloroethene	2.306	96	25437	19.885	ug/l	92
11) Methyl Iodide	2.447	142	29489	20.367	ug/l	93
12) Methyl Acetate	2.703	43	35526	23.915	ug/l	94
13) Acrolein	2.233	56	28645	96.202	ug/l	99
14) Acrylonitrile	3.062	53	71617	98.700	ug/l	97
15) Acetone	2.380	58	25061	125.933	ug/l	95
16) Carbon Disulfide	2.502	76	62027	17.094	ug/l	100
17) Allyl chloride	2.654	41	46642	19.494	ug/l	98
18) Methylene Chloride	2.782	84	28840	20.044	ug/l	99
19) trans-1,2-Dichloroethene	3.081	96	25378	19.608	ug/l	94
20) Diisopropyl ether	3.751	45	90342	19.649	ug/l	98
21) 1,1-Dichloroethane	3.599	63	49922	19.523	ug/l	97
22) cis-1,2-Dichloroethene	4.477	96	30939	19.949	ug/l	98
23) tert-Butyl Alcohol	2.983	59	23444	92.550	ug/l #	100
24) Methyl tert-Butyl Ether	3.111	73	82095	19.662	ug/l	100
25) Chloroform	5.080	83	50269	20.353	ug/l	97
26) Cyclohexane	5.458	56	46641	19.761	ug/l #	97
29) 1,1-Dichloropropene	5.684	75	34149	21.333	ug/l	98
30) 2-Butanone	4.550	43	109233	118.141	ug/l	99
31) 2,2-Dichloropropane	4.465	77	36153	19.973	ug/l	98
32) 1,1,1-Trichloroethane	5.367	97	41355	21.322	ug/l	99
33) Carbon Tetrachloride	5.666	117	34535	21.098	ug/l	97
34) Benzene	6.025	78	108700	21.654	ug/l	97
35) Methacrylonitrile	4.910	41	21038	21.263	ug/l	96
36) 1,2-Dichloroethane	6.080	62	38024	22.124	ug/l	97
37) Trichloroethene	7.123	130	25703	21.886	ug/l	97
38) Methylcyclohexane	7.373	83	45903	21.357	ug/l	98
39) 1,2-Dichloropropane	7.421	63	25558	20.479	ug/l	96
40) Dibromomethane	7.574	93	19581	21.864	ug/l	99
41) Bromodichloromethane	7.818	83	39055	21.941	ug/l #	99
42) Vinyl Acetate	3.715	43	369758	103.056	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.708	43	33329	19.222	ug/l	97
44) Isopropyl Acetate	6.336	43	60971	21.365	ug/l	97
45) 1,4-Dioxane	7.665	88	12221	411.945	ug/l	99
46) Methyl methacrylate	7.690	41	30607	21.872	ug/l	97
47) n-amyl Acetate	10.841	43	52067	21.025	ug/l	100
48) t-1,3-Dichloropropene	8.976	75	34150	19.904	ug/l	100
49) cis-1,3-Dichloropropene	8.360	75	39562	20.370	ug/l	99
50) 1,1,2-Trichloroethane	9.147	97	25837	22.117	ug/l	95
51) Ethyl methacrylate	9.116	69	39076	21.269	ug/l	99
52) 1,3-Dichloropropane	9.305	76	44987	21.978	ug/l	100
53) Dibromochloromethane	9.519	129	28007	21.677	ug/l	98
54) 1,2-Dibromoethane	9.604	107	25443	21.449	ug/l	98
55) 2-Chloroethyl vinyl ether	8.238	63	98646	104.557	ug/l	100
56) Bromoform	10.799	173	17639	21.787	ug/l	98
58) 4-Methyl-2-Pentanone	8.568	43	204535	110.028	ug/l	100
59) 2-Hexanone	9.427	43	155319	115.594	ug/l	99
61) Tetrachloroethene	9.269	164	22284	22.145	ug/l	93
62) Toluene	8.714	91	114968	21.238	ug/l	99
64) Chlorobenzene	10.073	112	71268	21.246	ug/l	97
65) 1,1,1,2-Tetrachloroethane	10.159	131	22951	20.735	ug/l	95
66) Ethyl Benzene	10.189	91	127119	21.449	ug/l	97
67) m/p-Xylenes	10.299	106	95054	43.047	ug/l	98
68) o-Xylene	10.640	106	46866	21.632	ug/l	100
69) Styrene	10.652	104	77716	21.477	ug/l	99
70) Isopropylbenzene	10.957	105	123530	22.094	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.207	83	40941	22.268	ug/l	99
72) 1,2,3-Trichloropropane	11.238	75	32713m	21.633	ug/l	
73) Bromobenzene	11.195	156	28585	22.209	ug/l	97
74) n-propylbenzene	11.299	91	145394	21.853	ug/l	99
75) 2-Chlorotoluene	11.360	91	88262	21.943	ug/l	100
76) 1,3,5-Trimethylbenzene	11.451	105	101205	21.942	ug/l	99
77) t-1,4-Dichloro-2-butene	11.018	75	9177	18.038	ug/l	83
78) 4-Chlorotoluene	11.451	91	98045	21.866	ug/l	99
79) tert-butylbenzene	11.713	119	101809	21.907	ug/l	98
80) 1,2,4-Trimethylbenzene	11.750	105	101544	21.978	ug/l	99
81) sec-Butylbenzene	11.890	105	128963	22.110	ug/l	100
82) p-Isopropyltoluene	12.006	119	106838	22.607	ug/l	98
83) 1,3-Dichlorobenzene	11.963	146	52343	21.857	ug/l	98
84) 1,4-Dichlorobenzene	12.036	146	52499	22.234	ug/l	99
85) n-Butylbenzene	12.329	91	95337	22.091	ug/l	98
86) Hexachloroethane	12.536	117	17625	21.147	ug/l	99
87) 1,2-Dichlorobenzene	12.335	146	53198	22.640	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	12.939	75	7246	20.356	ug/l	99
89) 1,2,4-Trichlorobenzene	13.585	180	31240	21.937	ug/l	97
90) Hexachlorobutadiene	13.725	225	13588	23.397	ug/l	99
91) Naphthalene	13.774	128	107375	21.383	ug/l	100
92) 1,2,3-Trichlorobenzene	13.963	180	32328	22.050	ug/l	99

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

