

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032621\
 Data File : VX021534.D
 Acq On : 26 Mar 2021 15:50
 Operator : JC/MD
 Sample : VX0326WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0326WBSD01

Manual Integrations
 APPROVED

SAM
 3/30/2021 7:14:27 PM

Quant Time: Mar 27 04:52:13 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X032621W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Mar 27 04:47:38 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	4.976	128	13995	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.823	114	76503	30.00	ug/l	-0.01
57) Chlorobenzene-d5	10.094	117	70813	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	6.023	65	38521	29.47	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	98.23%		
60) 4-Bromofluorobenzene	11.118	95	37672	30.25	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	100.83%		
63) Toluene-d8	8.694	98	95555	30.04	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	100.13%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.187	85	24171	18.56	ug/l	100
3) Chloromethane	1.311	50	20775	17.47	ug/l	97
4) Vinyl Chloride	1.393	62	18392	17.40	ug/l	99
5) Bromomethane	1.622	94	8533	20.08	ug/l	100
6) Chloroethane	1.705	64	10627	16.85	ug/l	97
7) Trichlorofluoromethane	1.911	101	28511	17.97	ug/l	97
8) Diethyl Ether	2.164	74	9561	18.32	ug/l	75
9) 1,1,2-Trichlorotrifluo...	2.358	101	15696	17.84	ug/l	97
10) 1,1-Dichloroethene	2.352	96	14631	17.55	ug/l	83
11) Methyl Iodide	2.487	142	11757	16.93	ug/l	84
12) Methyl Acetate	2.746	43	33627	19.73	ug/l #	87
13) Acrolein	2.270	56	14068	87.57	ug/l	99
14) Acrylonitrile	3.111	53	48189	90.72	ug/l	98
15) Acetone	2.417	58	13111	93.17	ug/l #	65
16) Carbon Disulfide	2.546	76	40769	17.50	ug/l	98
17) Allyl chloride	2.705	41	29352	18.15	ug/l	86
18) Methylene Chloride	2.829	84	17722	17.98	ug/l #	87
19) trans-1,2-Dichloroethene	3.140	96	16071	17.85	ug/l	90
20) Diisopropyl ether	3.817	45	58459	18.10	ug/l #	89
21) 1,1-Dichloroethane	3.664	63	31831	18.12	ug/l	99
22) cis-1,2-Dichloroethene	4.558	96	18441	17.71	ug/l	90
23) tert-Butyl Alcohol	3.011	59	20012	88.77	ug/l #	100
24) Methyl tert-Butyl Ether	3.164	73	55555	18.21	ug/l #	85
25) Chloroform	5.170	83	33228	17.80	ug/l	95
26) Cyclohexane	5.547	56	26692	17.59	ug/l #	90
29) 1,1-Dichloropropene	5.758	75	23206	17.98	ug/l	97
30) 2-Butanone	4.629	43	70962	94.07	ug/l #	90
31) 2,2-Dichloropropane	4.546	77	25277	17.56	ug/l	97
32) 1,1,1-Trichloroethane	5.458	97	29195	18.30	ug/l	97
33) Carbon Tetrachloride	5.747	117	25194	17.82	ug/l	97
34) Benzene	6.105	78	68204	18.52	ug/l #	95
35) Methacrylonitrile	4.994	41	15119	18.23	ug/l	91
36) 1,2-Dichloroethane	6.158	62	30136	19.12	ug/l #	93
37) Trichloroethene	7.182	130	17399	18.20	ug/l	96
38) Methylcyclohexane	7.435	83	26020	18.20	ug/l	91
39) 1,2-Dichloropropane	7.488	63	18463	18.79	ug/l	94
40) Dibromomethane	7.629	93	13473	18.77	ug/l	91
41) Bromodichloromethane	7.870	83	27325	18.52	ug/l	96
42) Vinyl Acetate	3.782	43	240449	92.81	ug/l #	92

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.788	43	28470m	19.81	ug/l	
44) Isopropyl Acetate	6.405	43	44721	18.60	ug/l	92
45) 1,4-Dioxane	7.712	88	8950	374.10	ug/l #	87
46) Methyl methacrylate	7.741	41	24126	18.30	ug/l	84
47) n-amyl Acetate	10.877	43	38214	18.38	ug/l	93
48) t-1,3-Dichloropropene	9.018	75	26687	17.93	ug/l	99
49) cis-1,3-Dichloropropene	8.412	75	28849	18.10	ug/l #	88
50) 1,1,2-Trichloroethane	9.194	97	17706	18.37	ug/l	99
51) Ethyl methacrylate	9.159	69	25427m	18.05	ug/l	
52) 1,3-Dichloropropane	9.347	76	30662	18.61	ug/l	99
53) Dibromochloromethane	9.559	129	19847	18.06	ug/l	98
54) 1,2-Dibromoethane	9.653	107	19150	18.50	ug/l	98
55) 2-Chloroethyl vinyl ether	8.288	63	73887	94.30	ug/l	98
56) Bromoform	10.841	173	13926	17.94	ug/l	99
58) 4-Methyl-2-Pentanone	8.617	43	141617	94.74	ug/l #	89
59) 2-Hexanone	9.471	43	106073	94.48	ug/l	88
61) Tetrachloroethene	9.318	164	15784	18.36	ug/l	98
62) Toluene	8.765	91	72646	18.22	ug/l	99
64) Chlorobenzene	10.118	112	44939	18.48	ug/l	100
65) 1,1,1,2-Tetrachloroethane	10.200	131	17700	18.41	ug/l	99
66) Ethyl Benzene	10.235	91	82010	18.39	ug/l	96
67) m/p-Xylenes	10.341	106	61038	37.22	ug/l	96
68) o-Xylene	10.682	106	28840	18.20	ug/l	91
69) Styrene	10.694	104	46693	17.63	ug/l	92
70) Isopropylbenzene	11.000	105	78090	18.07	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.247	83	28132	19.02	ug/l	99
72) 1,2,3-Trichloropropane	11.277	75	27023m	19.10	ug/l	
73) Bromobenzene	11.235	156	19258	18.48	ug/l	94
74) n-propylbenzene	11.341	91	93339	18.41	ug/l	97
75) 2-Chlorotoluene	11.400	91	56595	18.34	ug/l	98
76) 1,3,5-Trimethylbenzene	11.488	105	68633	18.64	ug/l	97
77) t-1,4-Dichloro-2-butene	11.059	75	7981	17.67	ug/l	88
78) 4-Chlorotoluene	11.494	91	65742	18.27	ug/l	97
79) tert-butylbenzene	11.753	119	62590	17.87	ug/l	94
80) 1,2,4-Trimethylbenzene	11.789	105	66725	18.12	ug/l	98
81) sec-Butylbenzene	11.930	105	73527	18.08	ug/l	98
82) p-Isopropyltoluene	12.047	119	64708	17.43	ug/l	95
83) 1,3-Dichlorobenzene	12.006	146	33730	18.06	ug/l	99
84) 1,4-Dichlorobenzene	12.083	146	33165	17.75	ug/l	97
85) n-Butylbenzene	12.371	91	58423	17.66	ug/l	98
86) Hexachloroethane	12.577	117	11361	17.38	ug/l	92
87) 1,2-Dichlorobenzene	12.371	146	33613	18.27	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	12.983	75	6122	17.68	ug/l	85
89) 1,2,4-Trichlorobenzene	13.630	180	20971	18.13	ug/l	98
90) Hexachlorobutadiene	13.765	225	9270	18.96	ug/l	99
91) Naphthalene	13.818	128	69785	18.12	ug/l	100
92) 1,2,3-Trichlorobenzene	14.001	180	22024	19.04	ug/l	95

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

