

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX090121\
 Data File : VX024057.D
 Acq On : 01 Sep 2021 11:45
 Operator : JC/MD
 Sample : VX0901WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0901WBS01

Manual Integrations
 APPROVED

MMDadoda

9/2/2021 7:20:38 PM

Quant Time: Sep 02 07:06:56 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X080321W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Aug 03 12:05:42 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	4.904	128	37468	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.769	114	204441	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	190700	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.964	65	91728	31.657	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	= 105.533%	
60) 4-Bromofluorobenzene	11.085	95	97417	31.188	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	= 103.967%	
63) Toluene-d8	8.653	98	258667	30.138	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	= 100.467%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.173	85	43252	19.544	ug/l	97
3) Chloromethane	1.295	50	44044	17.640	ug/l	96
4) Vinyl Chloride	1.374	62	42998	17.218	ug/l	99
5) Bromomethane	1.599	94	29509	20.137	ug/l	99
6) Chloroethane	1.685	64	28026	17.924	ug/l	93
7) Trichlorofluoromethane	1.886	101	74004	18.349	ug/l	95
8) Diethyl Ether	2.142	74	25114	17.464	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.331	101	44022	19.539	ug/l	99
10) 1,1-Dichloroethene	2.319	96	40169	18.505	ug/l	100
11) Methyl Iodide	2.453	142	56401	18.492	ug/l	97
12) Methyl Acetate	2.709	43	62500	19.305	ug/l	100
13) Acrolein	2.246	56	28143	78.957	ug/l	98
14) Acrylonitrile	3.069	53	131858	92.066	ug/l	97
15) Acetone	2.392	58	43123	99.352	ug/l	94
16) Carbon Disulfide	2.514	76	93834	17.523	ug/l	100
17) Allyl chloride	2.666	41	75481	18.818	ug/l	97
18) Methylene Chloride	2.794	84	47463	18.591	ug/l	98
19) trans-1,2-Dichloroethene	3.099	96	43895	18.894	ug/l	98
20) Diisopropyl ether	3.770	45	155925	19.467	ug/l	98
21) 1,1-Dichloroethane	3.611	63	84530	19.375	ug/l	97
22) cis-1,2-Dichloroethene	4.495	96	51057	18.883	ug/l	94
23) tert-Butyl Alcohol	2.977	59	58565	90.115	ug/l #	100
24) Methyl tert-Butyl Ether	3.123	73	147904	19.424	ug/l	98
25) Chloroform	5.105	83	90759	20.280	ug/l	98
26) Cyclohexane	5.483	56	74859	18.899	ug/l #	99
29) 1,1-Dichloropropene	5.702	75	64157	20.149	ug/l	99
30) 2-Butanone	4.568	43	209162	97.998	ug/l	98
31) 2,2-Dichloropropane	4.489	77	74775	20.773	ug/l	94
32) 1,1,1-Trichloroethane	5.391	97	80365	20.863	ug/l	99
33) Carbon Tetrachloride	5.690	117	69346	20.698	ug/l	99
34) Benzene	6.050	78	185381	19.311	ug/l	97
35) Methacrylonitrile	4.934	41	41597	19.384	ug/l	98
36) 1,2-Dichloroethane	6.092	62	77832	21.218	ug/l	97
37) Trichloroethene	7.135	130	50107	19.211	ug/l	96
38) Methylcyclohexane	7.385	83	78465	19.373	ug/l	97
39) 1,2-Dichloropropane	7.440	63	47914	19.074	ug/l	98
40) Dibromomethane	7.586	93	35094	19.694	ug/l	96
41) Bromodichloromethane	7.824	83	65754	20.331	ug/l	96
42) Vinyl Acetate	3.733	43	683435	98.305	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.727	43	78079m	19.721	ug/l	
44) Isopropyl Acetate	6.348	43	122735	19.472	ug/l	99
45) 1,4-Dioxane	7.665	88	23858	364.770	ug/l	96
46) Methyl methacrylate	7.696	41	60289	19.833	ug/l	95
47) n-amyl Acetate	10.848	43	109420	20.404	ug/l	100
48) t-1,3-Dichloropropene	8.982	75	72577	19.221	ug/l	99
49) cis-1,3-Dichloropropene	8.373	75	77506	19.355	ug/l	98
50) 1,1,2-Trichloroethane	9.153	97	49878	19.380	ug/l	95
51) Ethyl methacrylate	9.122	69	76903	18.952	ug/l	97
52) 1,3-Dichloropropane	9.311	76	85476	20.232	ug/l	99
53) Dibromochloromethane	9.525	129	49656	19.198	ug/l	97
54) 1,2-Dibromoethane	9.616	107	52821	19.395	ug/l	99
55) 2-Chloroethyl vinyl ether	8.245	63	178950	88.301	ug/l	100
56) Bromoform	10.805	173	35792	19.285	ug/l	99
58) 4-Methyl-2-Pentanone	8.580	43	407379	99.090	ug/l	98
59) 2-Hexanone	9.433	43	325404	101.927	ug/l	97
61) Tetrachloroethene	9.275	164	51283	20.015	ug/l	98
62) Toluene	8.720	91	209412	19.465	ug/l	99
64) Chlorobenzene	10.080	112	131074	19.256	ug/l	98
65) 1,1,1,2-Tetrachloroethane	10.165	131	49844	19.779	ug/l	97
66) Ethyl Benzene	10.195	91	237949	19.986	ug/l	99
67) m/p-Xylenes	10.305	106	180676	39.240	ug/l	96
68) o-Xylene	10.647	106	89491	19.715	ug/l	97
69) Styrene	10.659	104	147415	19.706	ug/l	98
70) Isopropylbenzene	10.964	105	239517	20.069	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.213	83	79281	20.765	ug/l	99
72) 1,2,3-Trichloropropane	11.244	75	76377m	21.282	ug/l	
73) Bromobenzene	11.201	156	58556	20.152	ug/l	95
74) n-propylbenzene	11.305	91	279649	20.235	ug/l	100
75) 2-Chlorotoluene	11.366	91	169370	20.531	ug/l	98
76) 1,3,5-Trimethylbenzene	11.451	105	202999	20.509	ug/l	98
77) t-1,4-Dichloro-2-butene	11.018	75	24060	18.781	ug/l	92
78) 4-Chlorotoluene	11.457	91	190290	20.414	ug/l	98
79) tert-butylbenzene	11.719	119	195111	20.293	ug/l	99
80) 1,2,4-Trimethylbenzene	11.756	105	200770	20.468	ug/l	99
81) sec-Butylbenzene	11.896	105	252002	20.463	ug/l	99
82) p-Isopropyltoluene	12.012	119	208542	20.609	ug/l	98
83) 1,3-Dichlorobenzene	11.969	146	106811	20.295	ug/l	100
84) 1,4-Dichlorobenzene	12.043	146	105170	20.217	ug/l	99
85) n-Butylbenzene	12.335	91	186800	20.868	ug/l	99
86) Hexachloroethane	12.543	117	33110	20.133	ug/l	99
87) 1,2-Dichlorobenzene	12.335	146	102318	20.146	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	12.945	75	15918	18.982	ug/l	97
89) 1,2,4-Trichlorobenzene	13.591	180	59969	19.088	ug/l	99
90) Hexachlorobutadiene	13.725	225	28906	20.512	ug/l	99
91) Naphthalene	13.780	128	196925	18.250	ug/l	99
92) 1,2,3-Trichlorobenzene	13.963	180	61649	19.531	ug/l	98

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

