

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX090121\
 Data File : VX024058.D
 Acq On : 01 Sep 2021 12:15
 Operator : JC/MD
 Sample : VX0901WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0901WBSD01

Manual Integrations
 APPROVED

MMDadoda

9/2/2021 7:20:39 PM

Quant Time: Sep 02 07:07:39 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	4.910	128	30761	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.769	114	165288	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	154818	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.964	65	78656	33.064	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 110.200%#			
60) 4-Bromofluorobenzene	11.085	95	80204	31.629	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 105.433%			
63) Toluene-d8	8.653	98	209976	30.136	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 100.467%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.173	85	34528	19.004	ug/l	95
3) Chloromethane	1.294	50	35228	17.186	ug/l	100
4) Vinyl Chloride	1.374	62	35048	17.094	ug/l	99
5) Bromomethane	1.605	94	24315	20.211	ug/l	92
6) Chloroethane	1.685	64	22465	17.500	ug/l	99
7) Trichlorofluoromethane	1.886	101	59411	17.943	ug/l	99
8) Diethyl Ether	2.136	74	21851	18.508	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.331	101	36860	19.927	ug/l	99
10) 1,1-Dichloroethene	2.319	96	32640	18.315	ug/l	97
11) Methyl Iodide	2.453	142	47361	18.914	ug/l	100
12) Methyl Acetate	2.709	43	54257	20.413	ug/l	99
13) Acrolein	2.239	56	31042	106.079	ug/l	96
14) Acrylonitrile	3.069	53	115948	98.609	ug/l	97
15) Acetone	2.386	58	33567	94.198	ug/l	89
16) Carbon Disulfide	2.514	76	75127	17.088	ug/l	97
17) Allyl chloride	2.666	41	62336	18.929	ug/l	93
18) Methylene Chloride	2.794	84	39674	18.929	ug/l	98
19) trans-1,2-Dichloroethene	3.093	96	35141	18.424	ug/l	96
20) Diisopropyl ether	3.770	45	132326	20.123	ug/l	99
21) 1,1-Dichloroethane	3.617	63	70768	19.758	ug/l	99
22) cis-1,2-Dichloroethene	4.495	96	42865	19.310	ug/l	93
23) tert-Butyl Alcohol	2.977	59	52050	97.553	ug/l #	100
24) Methyl tert-Butyl Ether	3.123	73	127427	20.384	ug/l	96
25) Chloroform	5.105	83	75558	20.564	ug/l	99
26) Cyclohexane	5.471	56	60603	18.636	ug/l #	99
29) 1,1-Dichloropropene	5.702	75	52142	20.255	ug/l	99
30) 2-Butanone	4.568	43	175922	101.949	ug/l	97
31) 2,2-Dichloropropane	4.483	77	59549	20.462	ug/l	93
32) 1,1,1-Trichloroethane	5.391	97	64161	20.602	ug/l	98
33) Carbon Tetrachloride	5.684	117	56029	20.685	ug/l	99
34) Benzene	6.044	78	154000	19.842	ug/l	99
35) Methacrylonitrile	4.928	41	35722	20.589	ug/l	98
36) 1,2-Dichloroethane	6.098	62	66714	22.495	ug/l	98
37) Trichloroethene	7.129	130	41248	19.561	ug/l	96
38) Methylcyclohexane	7.385	83	64870	19.810	ug/l	97
39) 1,2-Dichloropropane	7.440	63	39599	19.498	ug/l	98
40) Dibromomethane	7.586	93	29175	20.250	ug/l	98
41) Bromodichloromethane	7.824	83	54852	20.978	ug/l	96
42) Vinyl Acetate	3.733	43	586726	104.385	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.727	43	67659	21.137	ug/l	100
44) Isopropyl Acetate	6.355	43	105809	20.763	ug/l	98
45) 1,4-Dioxane	7.659	88	20645	390.415	ug/l #	90
46) Methyl methacrylate	7.696	41	51962	21.143	ug/l	94
47) n-amyl Acetate	10.848	43	90036	20.766	ug/l	99
48) t-1,3-Dichloropropene	8.982	75	60607	19.853	ug/l	99
49) cis-1,3-Dichloropropene	8.372	75	64789	20.012	ug/l	97
50) 1,1,2-Trichloroethane	9.153	97	42469	20.410	ug/l	96
51) Ethyl methacrylate	9.122	69	65839	20.069	ug/l	97
52) 1,3-Dichloropropane	9.311	76	70731	20.707	ug/l	99
53) Dibromochloromethane	9.525	129	41649	19.916	ug/l	97
54) 1,2-Dibromoethane	9.616	107	45017	20.445	ug/l	98
55) 2-Chloroethyl vinyl ether	8.244	63	166773	101.786	ug/l	99
56) Bromoform	10.805	173	29549	19.692	ug/l	99
58) 4-Methyl-2-Pentanone	8.580	43	348778	104.498	ug/l	98
59) 2-Hexanone	9.433	43	272611	105.182	ug/l	97
61) Tetrachloroethene	9.275	164	40885	19.655	ug/l	96
62) Toluene	8.720	91	170110	19.477	ug/l	99
64) Chlorobenzene	10.079	112	108374	19.611	ug/l	97
65) 1,1,1,2-Tetrachloroethane	10.165	131	40314	19.705	ug/l	98
66) Ethyl Benzene	10.195	91	191172	19.779	ug/l	98
67) m/p-Xylenes	10.305	106	148120	39.626	ug/l	98
68) o-Xylene	10.646	106	73702	19.999	ug/l	99
69) Styrene	10.659	104	121644	20.030	ug/l	99
70) Isopropylbenzene	10.963	105	190495	19.661	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.213	83	68506	22.101	ug/l	99
72) 1,2,3-Trichloropropane	11.244	75	63462m	21.782	ug/l	
73) Bromobenzene	11.201	156	49050	20.793	ug/l	94
74) n-propylbenzene	11.305	91	224540	20.013	ug/l	99
75) 2-Chlorotoluene	11.366	91	138951	20.747	ug/l	98
76) 1,3,5-Trimethylbenzene	11.457	105	164187	20.433	ug/l	96
77) t-1,4-Dichloro-2-butene	11.024	75	19405	18.658	ug/l	98
78) 4-Chlorotoluene	11.457	91	156459	20.675	ug/l	100
79) tert-butylbenzene	11.719	119	158631	20.323	ug/l	99
80) 1,2,4-Trimethylbenzene	11.756	105	161986	20.342	ug/l	99
81) sec-Butylbenzene	11.896	105	206448	20.649	ug/l	98
82) p-Isopropyltoluene	12.012	119	166704	20.293	ug/l	98
83) 1,3-Dichlorobenzene	11.975	146	88201	20.643	ug/l	100
84) 1,4-Dichlorobenzene	12.043	146	86839	20.562	ug/l	97
85) n-Butylbenzene	12.335	91	147775	20.334	ug/l	98
86) Hexachloroethane	12.542	117	26293	19.693	ug/l	99
87) 1,2-Dichlorobenzene	12.341	146	88317	21.420	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	12.945	75	14072	20.670	ug/l	92
89) 1,2,4-Trichlorobenzene	13.591	180	49767	19.513	ug/l	99
90) Hexachlorobutadiene	13.731	225	25064	21.908	ug/l	99
91) Naphthalene	13.780	128	168332	19.216	ug/l	100
92) 1,2,3-Trichlorobenzene	13.963	180	51470	20.086	ug/l	97

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

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