

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU083121\
 Data File : VU044539.D
 Acq On : 31 Aug 2021 19:42
 Operator : SY/MD
 Sample : VSTDIC015
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC015

Manual Integrations
 APPROVED

MMDadoda
 9/1/2021 12:53:16 PM

Quant Time: Sep 01 00:38:03 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U083121DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Wed Sep 01 00:35:55 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.121	96	21996	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.639	95	9377	1.046	ug/l	0.00
Spiked Amount 1.000			Recovery	=	105.000%	
68) 1,2-Dichlorobenzene-d4	12.201	152	11007	1.230	ug/l	0.00
Spiked Amount 1.000			Recovery	=	123.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.388	85	137768	17.294	ug/l	99
3) Chloromethane	1.523	50	144703	16.673	ug/l	99
4) Vinyl Chloride	1.607	62	175576	19.334	ug/l	98
5) Bromomethane	1.861	94	142617	26.523	ug/l	98
6) Chloroethane	1.938	64	129434	22.153	ug/l	98
7) Trichlorofluoromethane	2.144	101	289949	26.420	ug/l	100
8) 1,1,2-Trichloro-1,2,2-...	2.587	101	173386	25.436	ug/l	99
9) 1,1-Dichloroethene	2.587	96	163260	24.913	ug/l	99
10) Iodomethane	2.729	142	208180	24.091	ug/l	100
11) Allyl Chloride	2.932	41	184261	18.804	ug/l	100
12) Acrylonitrile	3.327	53	56309	40.420	ug/l	97
13) Acetone	2.636	43	73772	108.159	ug/l	98
14) Carbon Disulfide	2.800	76	484701	23.112	ug/l	99
15) Methylene Chloride	3.054	84	181419	20.127	ug/l	100
16) trans-1,2-Dichloroethene	3.359	96	172781	23.769	ug/l	98
17) 1,1-Dichloroethane	3.877	63	287654	21.896	ug/l	99
18) 2-Butanone	4.732	43	150622	102.029	ug/l	99
19) Cyclohexane	5.388	56	265867m	22.145	ug/l	
20) Methylcyclohexane	6.767	83	170181	15.364	ug/l	99
21) 2,2-Dichloropropane	4.674	77	248690	22.843	ug/l	100
22) cis-1,2-Dichloroethene	4.674	96	199006	24.791	ug/l	100
23) Diethyl Ether	2.382	59	113697	21.624	ug/l	100
24) tert-Butyl Alcohol	3.208	59	56037	182.486	ug/l	# 94
25) Methyl tert-Butyl Ether	3.378	73	395362	22.488	ug/l	99
26) Bromochloromethane	4.983	128	91835	26.173	ug/l	100
27) Chloroform	5.095	83	330835	24.807	ug/l	99
28) 1,1,1-Trichloroethane	5.320	97	295726	26.225	ug/l	99
29) 1,1-Dichloropropene	5.529	75	131468	14.802	ug/l	99
30) Carbon Tetrachloride	5.526	117	133765	16.643	ug/l	99
31) Isopropyl Ether	4.012	45	419114	20.013	ug/l	99
32) Ethyl-t-butyl ether	4.523	59	453360	21.476	ug/l	100
33) Tert-Amyl methyl ether	5.960	73	228465	13.658	ug/l	99
34) Propionitrile	4.800	54	42925	101.545	ug/l	# 98
35) Benzene	5.780	78	383368	14.786	ug/l	99
36) 1,2-Dichloroethane	5.806	62	119773	15.696	ug/l	98
37) Trichloroethene	6.549	130	110102	16.532	ug/l	98
38) 1,2-Dichloropropane	6.803	63	97771	14.309	ug/l	99
39) Methacrylonitrile	4.993	41	46929	19.598	ug/l	98
40) Methyl acrylate	4.864	55	76272	20.422	ug/l	98
41) Tetrahydrofuran	5.079	42	40372	36.674	ug/l	94
42) 1-Chlorobutane	5.462	56	169270	13.611	ug/l	99
43) Dibromomethane	6.928	93	58849	16.828	ug/l	98
44) Bromodichloromethane	7.115	83	138491	16.641	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.809	43	317365	69.656	ug/l	100
46) t-1,4-Dichloro-2-butene	10.841	75	61137m	31.840	ug/l	
47) Methyl methacrylate	6.976	69	108268	29.316	ug/l	93
48) Ethyl methacrylate	8.346	69	108889	14.192	ug/l	98
49) Toluene	7.976	92	275152	16.616	ug/l	98
50) t-1,3-Dichloropropene	8.221	75	136321	16.226	ug/l	99
51) cis-1,3-Dichloropropene	7.616	75	150358	15.233	ug/l	100
52) 1,1,2-Trichloroethane	8.410	97	85582	16.559	ug/l	99
53) 1,3-Dichloropropane	8.584	76	145632	15.612	ug/l	99
54) 2-Hexanone	8.700	43	226613	69.847	ug/l	98
55) Dibromochloromethane	8.819	129	103093	18.273	ug/l	100
56) 1,2-Dibromoethane	8.931	107	84518	16.696	ug/l	97
58) Tetrachloroethene	8.558	164	106071	18.348	ug/l	98
59) Chlorobenzene	9.452	112	303940	17.188	ug/l	98
60) 1,1,1,2-Tetrachloroethane	9.542	131	108895	18.266	ug/l	99
61) Pentachloroethane	11.436	117	92300	19.219	ug/l	99
62) Hexachloroethane	12.481	117	98346	19.760	ug/l	100
63) Ethyl Benzene	9.578	91	535919	17.085	ug/l	100
64) m/p-Xylenes	9.700	106	439992	36.257	ug/l	98
65) o-Xylene	10.108	106	210471	17.992	ug/l	100
66) Styrene	10.121	104	367100	18.172	ug/l	100
67) Bromoform	10.298	173	61009	19.340	ug/l	100
69) Isopropylbenzene	10.491	105	560038	17.966	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.790	83	117855	17.322	ug/l	99
71) 1,2,3-Trichloropropane	10.835	75	89548m	16.283	ug/l	
72) Bromobenzene	10.790	156	135441	18.464	ug/l	100
73) n-propylbenzene	10.912	120	157994	18.644	ug/l	99
74) 2-Chlorotoluene	10.992	126	134743	18.387	ug/l	100
75) 1,3,5-Trimethylbenzene	11.095	105	495875	18.582	ug/l	100
76) 4-Chlorotoluene	11.105	126	147472	19.185	ug/l	99
77) tert-Butylbenzene	11.426	119	493008	18.884	ug/l	100
78) 1,2,4-Trimethylbenzene	11.475	105	507777	18.790	ug/l	100
79) sec-Butylbenzene	11.651	105	667899	18.790	ug/l	100
80) Nitrobenzene	13.214	77	17197	87.115	ug/l	98
81) p-Isopropyltoluene	11.799	119	564111	19.099	ug/l	100
82) 1,3-Dichlorobenzene	11.751	146	277275	18.945	ug/l	99
83) 1,4-Dichlorobenzene	11.841	146	282049	19.058	ug/l	100
84) n-Butylbenzene	12.214	91	543764	18.970	ug/l	99
85) 1,2-Dichlorobenzene	12.217	146	279760	19.582	ug/l	100
86) 1,2-Dibromo-3-Chloropr...	13.005	75	19784	16.994	ug/l	94
87) 1,2,4-Trichlorobenzene	13.847	180	185694	18.815	ug/l	99
88) Hexachlorobutadiene	14.028	225	93965	19.339	ug/l	100
89) Naphthalene	14.092	128	362435	18.499	ug/l	99
90) 1,2,3-Trichlorobenzene	14.336	180	174746	19.299	ug/l	98

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

