

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX093022\
 Data File : VX031807.D
 Acq On : 30 Sep 2022 12:11
 Operator : JC/MD
 Sample : VSTDICCC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC020

Quant Time: Oct 03 00:35:35 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X093022W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Oct 03 00:33:36 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	4.897	128	20297	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	111484	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	108094	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	49302	32.273	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	= 107.567%	
60) 4-Bromofluorobenzene	11.079	95	62044	31.006	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	= 103.367%	
63) Toluene-d8	8.647	98	169627	30.890	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	= 102.967%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	17283	20.420	ug/l	100
3) Chloromethane	1.288	50	19351	21.820	ug/l	100
4) Vinyl Chloride	1.374	62	25899	21.771	ug/l	100
5) Bromomethane	1.611	94	21726	19.962	ug/l	100
6) Chloroethane	1.691	64	21561	20.556	ug/l	100
7) Trichlorofluoromethane	1.886	101	55214	21.719	ug/l	100
8) Diethyl Ether	2.136	74	19085	22.156	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.331	101	25546	21.173	ug/l	100
10) 1,1-Dichloroethene	2.319	96	23246	20.861	ug/l	100
11) Methyl Iodide	2.453	142	21331	17.486	ug/l	100
12) Methyl Acetate	2.709	43	27417	21.535	ug/l	100
13) Acrolein	2.239	56	10671	94.625	ug/l	100
14) Acrylonitrile	3.068	53	58130	107.571	ug/l	100
15) Acetone	2.392	58	16304	111.374	ug/l	100
16) Carbon Disulfide	2.514	76	48356	19.780	ug/l	100
17) Allyl chloride	2.666	41	28605	21.206	ug/l	100
18) Methylene Chloride	2.788	84	27095	21.246	ug/l	100
19) trans-1,2-Dichloroethene	3.093	96	26799	20.769	ug/l	100
20) Diisopropyl ether	3.757	45	67548	21.791	ug/l	100
21) 1,1-Dichloroethane	3.605	63	42706	21.118	ug/l	100
22) cis-1,2-Dichloroethene	4.489	96	32065	20.571	ug/l	100
23) tert-Butyl Alcohol	3.001	59	22438	111.476	ug/l	# 100
24) Methyl tert-Butyl Ether	3.111	73	80751	21.084	ug/l	100
25) Chloroform	5.092	83	52977	21.337	ug/l	100
26) Cyclohexane	5.470	56	35864	21.499	ug/l	# 100
29) 1,1-Dichloropropene	5.696	75	35768	20.698	ug/l	100
30) 2-Butanone	4.568	43	77685	110.436	ug/l	100
31) 2,2-Dichloropropane	4.471	77	34569	19.978	ug/l	100
32) 1,1,1-Trichloroethane	5.385	97	46122	20.162	ug/l	100
33) Carbon Tetrachloride	5.678	117	42404	20.217	ug/l	100
34) Benzene	6.037	78	107342	20.990	ug/l	100
35) Methacrylonitrile	4.916	41	15682m	21.333	ug/l	
36) 1,2-Dichloroethane	6.086	62	38752	21.507	ug/l	100
37) Trichloroethene	7.129	130	32840	19.682	ug/l	100
38) Methylcyclohexane	7.379	83	43229	20.435	ug/l	100
39) 1,2-Dichloropropane	7.433	63	24110	20.627	ug/l	100
40) Dibromomethane	7.580	93	21586	21.114	ug/l	100
41) Bromodichloromethane	7.824	83	37676	20.318	ug/l	100
42) Vinyl Acetate	3.721	43	271075	106.862	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.721	43	30774	21.773	ug/l	100
44) Isopropyl Acetate	6.342	43	47451	21.123	ug/l	100
45) 1,4-Dioxane	7.696	88	14877	462.784	ug/l	100
46) Methyl methacrylate	7.696	41	22694	21.642	ug/l	100
47) n-amyl Acetate	10.847	43	40275	20.876	ug/l	100
48) t-1,3-Dichloropropene	8.976	75	35945	19.664	ug/l	100
49) cis-1,3-Dichloropropene	8.366	75	40515	20.204	ug/l	100
50) 1,1,2-Trichloroethane	9.153	97	30892	20.862	ug/l	100
51) Ethyl methacrylate	9.116	69	40286	20.987	ug/l	100
52) 1,3-Dichloropropane	9.311	76	48391	21.325	ug/l	100
53) Dibromochloromethane	9.525	129	31876	19.331	ug/l	100
54) 1,2-Dibromoethane	9.610	107	33739	20.567	ug/l	100
55) 2-Chloroethyl vinyl ether	8.244	63	104075	110.573	ug/l	100
56) Bromoform	10.799	173	22262	18.420	ug/l	100
58) 4-Methyl-2-Pentanone	8.573	43	159671	109.875	ug/l	100
59) 2-Hexanone	9.433	43	119386	109.843	ug/l	100
61) Tetrachloroethene	9.275	164	34252	19.734	ug/l	100
62) Toluene	8.720	91	127235	20.559	ug/l	100
64) Chlorobenzene	10.079	112	86269	20.429	ug/l	100
65) 1,1,1,2-Tetrachloroethane	10.165	131	31486	19.668	ug/l	100
66) Ethyl Benzene	10.195	91	145253	20.825	ug/l	100
67) m/p-Xylenes	10.299	106	121365	41.786	ug/l	100
68) o-Xylene	10.640	106	58905	20.657	ug/l	100
69) Styrene	10.659	104	96129	20.756	ug/l	100
70) Isopropylbenzene	10.963	105	155539	20.989	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.213	83	44677	21.151	ug/l	100
72) 1,2,3-Trichloropropane	11.238	75	39600m	21.817	ug/l	
73) Bromobenzene	11.201	156	40019	20.135	ug/l	100
74) n-propylbenzene	11.305	91	171371	21.036	ug/l	100
75) 2-Chlorotoluene	11.366	91	103306	21.092	ug/l	100
76) 1,3,5-Trimethylbenzene	11.451	105	132414	21.197	ug/l	100
77) t-1,4-Dichloro-2-butene	11.018	75	9520	17.947	ug/l	100
78) 4-Chlorotoluene	11.457	91	118293	21.186	ug/l	100
79) tert-butylbenzene	11.713	119	131388	20.924	ug/l	100
80) 1,2,4-Trimethylbenzene	11.750	105	131344	21.203	ug/l	100
81) sec-Butylbenzene	11.890	105	160487	20.870	ug/l	100
82) p-Isopropyltoluene	12.012	119	141384	20.920	ug/l	100
83) 1,3-Dichlorobenzene	11.969	146	75590	20.100	ug/l	100
84) 1,4-Dichlorobenzene	12.042	146	78534	20.363	ug/l	100
85) n-Butylbenzene	12.335	91	106176	20.373	ug/l	100
86) Hexachloroethane	12.542	117	20429	19.254	ug/l	100
87) 1,2-Dichlorobenzene	12.335	146	76032	20.263	ug/l	100
88) 1,2-Dibromo-3-Chloropr...	12.945	75	8748	20.640	ug/l	100
89) 1,2,4-Trichlorobenzene	13.585	180	45292	18.656	ug/l	100
90) Hexachlorobutadiene	13.725	225	17842	18.293	ug/l	100
91) Naphthalene	13.774	128	159287	20.507	ug/l	100
92) 1,2,3-Trichlorobenzene	13.963	180	45391	18.877	ug/l	100

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

