

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX093022\
 Data File : VX031822.D
 Acq On : 30 Sep 2022 19:26
 Operator : JC/MD
 Sample : VSTDC0020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDC0020EC

Quant Time: Oct 03 01:08:03 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X093022W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Oct 03 00:56:55 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	4.898	128	19694	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	107353	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	101538	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	46339	31.262	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	= 104.200%	
60) 4-Bromofluorobenzene	11.079	95	56898	30.277	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	= 100.933%	
63) Toluene-d8	8.653	98	159249	30.872	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	= 102.900%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	15615	19.015	ug/l	100
3) Chloromethane	1.288	50	18255	21.214	ug/l	98
4) Vinyl Chloride	1.368	62	22702	19.668	ug/l	98
5) Bromomethane	1.612	94	20616	19.522	ug/l	92
6) Chloroethane	1.685	64	18518	18.194	ug/l	90
7) Trichlorofluoromethane	1.886	101	49211	19.950	ug/l	98
8) Diethyl Ether	2.130	74	16637	19.905	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.331	101	23286	19.891	ug/l	98
10) 1,1-Dichloroethene	2.319	96	20978	19.402	ug/l	99
11) Methyl Iodide	2.453	142	20302	17.152	ug/l	96
12) Methyl Acetate	2.703	43	25435	20.590	ug/l	96
13) Acrolein	2.239	56	9919	90.650	ug/l	96
14) Acrylonitrile	3.069	53	53035	101.147	ug/l	98
15) Acetone	2.392	58	14410	101.450	ug/l	90
16) Carbon Disulfide	2.514	76	42364	17.859	ug/l	99
17) Allyl chloride	2.666	41	24971	19.079	ug/l	97
18) Methylene Chloride	2.788	84	24710	19.969	ug/l	97
19) trans-1,2-Dichloroethene	3.093	96	23171	18.507	ug/l	98
20) Diisopropyl ether	3.764	45	59921	19.922	ug/l #	82
21) 1,1-Dichloroethane	3.611	63	39121	19.937	ug/l	98
22) cis-1,2-Dichloroethene	4.483	96	29469	19.485	ug/l	97
23) tert-Butyl Alcohol	2.989	59	18443	94.360	ug/l #	100
24) Methyl tert-Butyl Ether	3.111	73	71211	19.163	ug/l	99
25) Chloroform	5.093	83	48028	19.936	ug/l	98
26) Cyclohexane	5.471	56	31117	19.224	ug/l #	99
29) 1,1-Dichloropropene	5.696	75	31629	19.007	ug/l	98
30) 2-Butanone	4.562	43	68590	101.259	ug/l	99
31) 2,2-Dichloropropane	4.477	77	28670	17.206	ug/l	98
32) 1,1,1-Trichloroethane	5.385	97	41191	18.700	ug/l	99
33) Carbon Tetrachloride	5.678	117	37531	18.583	ug/l	96
34) Benzene	6.044	78	96094	19.513	ug/l	98
35) Methacrylonitrile	4.922	41	14132	19.965	ug/l	94
36) 1,2-Dichloroethane	6.086	62	34751	20.028	ug/l	99
37) Trichloroethene	7.129	130	29801	18.548	ug/l	97
38) Methylcyclohexane	7.385	83	38511	18.905	ug/l	98
39) 1,2-Dichloropropane	7.434	63	22769	20.229	ug/l	97
40) Dibromomethane	7.586	93	19315	19.619	ug/l	98
41) Bromodichloromethane	7.824	83	34503	19.323	ug/l	96
42) Vinyl Acetate	3.721	43	242395	99.233	ug/l	100

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 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Quant Time: Oct 03 01:08:03 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X093022W.M
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.715	43	28703	21.089	ug/l	# 90
44) Isopropyl Acetate	6.348	43	42328	19.567	ug/l	100
45) 1,4-Dioxane	7.696	88	12452	402.254	ug/l	96
46) Methyl methacrylate	7.696	41	20740	20.540	ug/l	96
47) n-amyl Acetate	10.848	43	35520	19.119	ug/l	98
48) t-1,3-Dichloropropene	8.982	75	30703	17.442	ug/l	99
49) cis-1,3-Dichloropropene	8.366	75	34744	17.993	ug/l	98
50) 1,1,2-Trichloroethane	9.153	97	27845	19.528	ug/l	98
51) Ethyl methacrylate	9.116	69	35259	19.075	ug/l	96
52) 1,3-Dichloropropane	9.311	76	43112	19.730	ug/l	99
53) Dibromochloromethane	9.525	129	29334	18.474	ug/l	97
54) 1,2-Dibromoethane	9.610	107	30396	19.243	ug/l	99
55) 2-Chloroethyl vinyl ether	8.244	63	92541	102.102	ug/l	100
56) Bromoform	10.799	173	19412	16.680	ug/l	99
58) 4-Methyl-2-Pentanone	8.574	43	144490	105.848	ug/l	99
59) 2-Hexanone	9.433	43	107968	105.751	ug/l	98
61) Tetrachloroethene	9.275	164	29893	18.335	ug/l	95
62) Toluene	8.720	91	114999	19.781	ug/l	100
64) Chlorobenzene	10.079	112	76560	19.301	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.165	131	28192	18.747	ug/l	99
66) Ethyl Benzene	10.195	91	129330	19.739	ug/l	98
67) m/p-Xylenes	10.305	106	107068	39.244	ug/l	99
68) o-Xylene	10.640	106	52124	19.459	ug/l	99
69) Styrene	10.659	104	83996	19.307	ug/l	99
70) Isopropylbenzene	10.963	105	137956	19.818	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.213	83	40658	20.492	ug/l	99
72) 1,2,3-Trichloropropane	11.238	75	35317m	20.524	ug/l	
73) Bromobenzene	11.201	156	35389	18.955	ug/l	99
74) n-propylbenzene	11.305	91	151357	19.779	ug/l	99
75) 2-Chlorotoluene	11.366	91	92058	20.009	ug/l	98
76) 1,3,5-Trimethylbenzene	11.451	105	117003	19.940	ug/l	98
77) t-1,4-Dichloro-2-butene	11.018	75	7729	15.511	ug/l	86
78) 4-Chlorotoluene	11.457	91	105250	20.067	ug/l	100
79) tert-butylbenzene	11.713	119	114125	19.349	ug/l	99
80) 1,2,4-Trimethylbenzene	11.750	105	119087	20.466	ug/l	98
81) sec-Butylbenzene	11.890	105	140957	19.514	ug/l	99
82) p-Isopropyltoluene	12.012	119	121130	19.080	ug/l	99
83) 1,3-Dichlorobenzene	11.969	146	66607	18.855	ug/l	100
84) 1,4-Dichlorobenzene	12.043	146	69142	19.086	ug/l	99
85) n-Butylbenzene	12.335	91	94048	19.211	ug/l	99
86) Hexachloroethane	12.536	117	17462	17.520	ug/l	99
87) 1,2-Dichlorobenzene	12.335	146	67989	19.290	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	12.945	75	7947	19.961	ug/l	97
89) 1,2,4-Trichlorobenzene	13.591	180	40283	17.664	ug/l	98
90) Hexachlorobutadiene	13.725	225	15783	17.227	ug/l	99
91) Naphthalene	13.774	128	139267	19.087	ug/l	100
92) 1,2,3-Trichlorobenzene	13.963	180	41681	18.453	ug/l	96

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

