

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072823\
 Data File : VX036706.D
 Acq On : 28 Jul 2023 16:08
 Operator : JC/MD
 Sample : VSTDC0020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDC0020EC

Quant Time: Jul 28 16:34:18 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X071423W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jul 14 04:32:22 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	4.898	128	27371	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.757	114	164844	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	151942	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	67979	29.924	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	99.733%		
60) 4-Bromofluorobenzene	11.079	95	73548	29.841	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	99.467%		
63) Toluene-d8	8.647	98	201030	28.752	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	95.833%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	38644	25.269	ug/l	99
3) Chloromethane	1.307	50	33967	16.235	ug/l	97
4) Vinyl Chloride	1.374	62	36535	16.934	ug/l	96
5) Bromomethane	1.599	94	21955m	9.937	ug/l	
6) Chloroethane	1.685	64	21937	14.938	ug/l	94
7) Trichlorofluoromethane	1.886	101	62173	17.763	ug/l	100
8) Diethyl Ether	2.136	74	22191	15.259	ug/l	83
9) 1,1,2-Trichlorotrifluo...	2.325	101	35558	22.438	ug/l	97
10) 1,1-Dichloroethene	2.313	96	33573	20.960	ug/l	98
11) Methyl Iodide	2.447	142	27055	14.823	ug/l	98
12) Methyl Acetate	2.703	43	79987	21.245	ug/l	97
13) Acrolein	2.233	56	29488	95.474	ug/l	96
14) Acrylonitrile	3.062	53	111813	105.951	ug/l	97
15) Acetone	2.380	58	30150	100.911	ug/l	91
16) Carbon Disulfide	2.508	76	89452	23.019	ug/l	98
17) Allyl chloride	2.660	41	61787	21.745	ug/l	96
18) Methylene Chloride	2.788	84	38698	20.065	ug/l	98
19) trans-1,2-Dichloroethene	3.087	96	37469	21.402	ug/l	99
20) Diisopropyl ether	3.757	45	121511	20.983	ug/l	90
21) 1,1-Dichloroethane	3.605	63	69497	20.584	ug/l	97
22) cis-1,2-Dichloroethene	4.483	96	44190	20.972	ug/l	99
23) tert-Butyl Alcohol	2.965	59	62674	127.889	ug/l #	1
24) Methyl tert-Butyl Ether	3.111	73	126670	21.747	ug/l	99
25) Chloroform	5.093	83	72858	20.873	ug/l	99
26) Cyclohexane	5.471	56	60323	23.289	ug/l #	98
29) 1,1-Dichloropropene	5.690	75	53233	21.415	ug/l	99
30) 2-Butanone	4.556	43	159298	101.777	ug/l	99
31) 2,2-Dichloropropane	4.471	77	62711	23.005	ug/l	100
32) 1,1,1-Trichloroethane	5.379	97	65624	22.217	ug/l	99
33) Carbon Tetrachloride	5.672	117	57199	22.698	ug/l	96
34) Benzene	6.038	78	154677	20.187	ug/l	97
35) Methacrylonitrile	4.916	41	32972	20.304	ug/l	98
36) 1,2-Dichloroethane	6.086	62	58205	19.784	ug/l	98
37) Trichloroethene	7.123	130	40367	20.017	ug/l	97
38) Methylcyclohexane	7.379	83	66821	23.107	ug/l	99
39) 1,2-Dichloropropane	7.428	63	40689	19.590	ug/l	96
40) Dibromomethane	7.580	93	29275	19.459	ug/l	98
41) Bromodichloromethane	7.818	83	58984	21.603	ug/l	100
42) Vinyl Acetate	3.721	43	486541	102.915	ug/l	98

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 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Quant Time: Jul 28 16:34:18 2023
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.715	43	61543	20.200	ug/l	98
44) Isopropyl Acetate	6.336	43	102623	21.121	ug/l	97
45) 1,4-Dioxane	7.659	88	21046	381.607	ug/l #	1
46) Methyl methacrylate	7.690	41	47604	20.500	ug/l	94
47) n-amyl Acetate	10.842	43	86633	21.022	ug/l	99
48) t-1,3-Dichloropropene	8.976	75	65147	21.754	ug/l	97
49) cis-1,3-Dichloropropene	8.366	75	69310	21.426	ug/l	96
50) 1,1,2-Trichloroethane	9.153	97	40895	20.025	ug/l	96
51) Ethyl methacrylate	9.116	69	67484	21.048	ug/l	99
52) 1,3-Dichloropropane	9.305	76	69777	20.246	ug/l	98
53) Dibromochloromethane	9.519	129	45677	22.159	ug/l	99
54) 1,2-Dibromoethane	9.610	107	44070	20.542	ug/l	100
55) 2-Chloroethyl vinyl ether	8.238	63	164011	95.113	ug/l	99
56) Bromoform	10.799	173	33331	23.241	ug/l	100
58) 4-Methyl-2-Pentanone	8.574	43	311098	99.014	ug/l	97
59) 2-Hexanone	9.427	43	236815	99.074	ug/l	97
61) Tetrachloroethene	9.269	164	34876	19.164	ug/l	97
62) Toluene	8.714	91	171629	20.132	ug/l	97
64) Chlorobenzene	10.079	112	104419	19.674	ug/l	100
65) 1,1,1,2-Tetrachloroethane	10.159	131	41024	21.402	ug/l	97
66) Ethyl Benzene	10.195	91	191269	20.644	ug/l	98
67) m/p-Xylenes	10.299	106	144020	39.872	ug/l	95
68) o-Xylene	10.640	106	71604	19.974	ug/l	97
69) Styrene	10.653	104	118957	20.467	ug/l	98
70) Isopropylbenzene	10.963	105	189399	21.213	ug/l	97
71) 1,1,2,2-Tetrachloroethane	11.213	83	66064	20.273	ug/l	99
72) 1,2,3-Trichloropropane	11.238	75	63247m	20.944	ug/l	
73) Bromobenzene	11.195	156	44028	19.949	ug/l	99
74) n-propylbenzene	11.305	91	221792	21.105	ug/l	98
75) 2-Chlorotoluene	11.366	91	132220	20.690	ug/l	100
76) 1,3,5-Trimethylbenzene	11.451	105	158616	20.674	ug/l	100
77) t-1,4-Dichloro-2-butene	11.018	75	21565	21.747	ug/l	87
78) 4-Chlorotoluene	11.451	91	150738	20.717	ug/l	99
79) tert-butylbenzene	11.713	119	157356	21.609	ug/l	97
80) 1,2,4-Trimethylbenzene	11.750	105	157349	20.698	ug/l	100
81) sec-Butylbenzene	11.890	105	197193	21.514	ug/l	99
82) p-Isopropyltoluene	12.006	119	162676	21.332	ug/l	99
83) 1,3-Dichlorobenzene	11.969	146	80676	19.652	ug/l	98
84) 1,4-Dichlorobenzene	12.043	146	82235	20.102	ug/l	99
85) n-Butylbenzene	12.329	91	144623	20.834	ug/l	98
86) Hexachloroethane	12.536	117	31080	24.617	ug/l	95
87) 1,2-Dichlorobenzene	12.335	146	80189	19.474	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	12.945	75	14966	20.424	ug/l	95
89) 1,2,4-Trichlorobenzene	13.585	180	50136	19.308	ug/l	100
90) Hexachlorobutadiene	13.725	225	20185	21.401	ug/l	97
91) Naphthalene	13.774	128	178306	19.569	ug/l	100
92) 1,2,3-Trichlorobenzene	13.963	180	50007	19.079	ug/l	97

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

