

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX093022\
 Data File : VX031820.D
 Acq On : 30 Sep 2022 18:39
 Operator : JC/MD
 Sample : N3980-07 4.0PPB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2022

Quant Time: Oct 03 01:15:23 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	4.897	128	18150	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	102877	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	93479	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	45542	33.338	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	= 111.133%#	
60) 4-Bromofluorobenzene	11.079	95	50799	29.362	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	= 97.867%	
63) Toluene-d8	8.647	98	145500	30.639	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	= 102.133%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	3385	4.473	ug/l	96
3) Chloromethane	1.288	50	3995	5.038	ug/l	95
4) Vinyl Chloride	1.374	62	5122	4.815	ug/l	90
5) Bromomethane	1.611	94	4772	4.903	ug/l	96
6) Chloroethane	1.685	64	4788	5.104	ug/l	87
7) Trichlorofluoromethane	1.886	101	10642	4.681	ug/l	88
8) Diethyl Ether	2.130	74	3865	5.018	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.331	101	5010	4.644	ug/l	97
10) 1,1-Dichloroethene	2.319	96	4490	4.506	ug/l	89
11) Methyl Iodide	2.453	142	3297	3.022	ug/l	95
12) Methyl Acetate	2.703	43	5682	4.991	ug/l	100
13) Acrolein	2.239	56	2727	27.042	ug/l	100
14) Acrylonitrile	3.068	53	10610	21.957	ug/l	98
15) Acetone	2.392	58	3161	24.147	ug/l	96
16) Carbon Disulfide	2.514	76	9125	4.174	ug/l	98
17) Allyl chloride	2.666	41	5073	4.206	ug/l	95
18) Methylene Chloride	2.788	84	5997	5.259	ug/l	95
19) trans-1,2-Dichloroethene	3.093	96	4992	4.326	ug/l	94
20) Diisopropyl ether	3.763	45	12485	4.504	ug/l #	85
21) 1,1-Dichloroethane	3.611	63	8281	4.579	ug/l	98
22) cis-1,2-Dichloroethene	4.495	96	6123	4.393	ug/l #	86
23) tert-Butyl Alcohol	2.989	59	3493	19.392	ug/l #	100
24) Methyl tert-Butyl Ether	3.111	73	14995	4.378	ug/l	100
25) Chloroform	5.099	83	9950	4.481	ug/l	92
26) Cyclohexane	5.464	56	6742m	4.520	ug/l	
29) 1,1-Dichloropropene	5.696	75	6551	4.108	ug/l	99
30) 2-Butanone	4.568	43	14760	22.738	ug/l #	78
31) 2,2-Dichloropropane	4.483	77	5914	3.704	ug/l #	71
32) 1,1,1-Trichloroethane	5.391	97	8224	3.896	ug/l #	34
33) Carbon Tetrachloride	5.678	117	7453	3.851	ug/l	94
34) Benzene	6.043	78	20260	4.293	ug/l	99
35) Methacrylonitrile	4.922	41	2839	4.185	ug/l	89
36) 1,2-Dichloroethane	6.086	62	7765	4.670	ug/l	96
37) Trichloroethene	7.129	130	6143	3.990	ug/l	93
38) Methylcyclohexane	7.385	83	8222	4.212	ug/l	98
39) 1,2-Dichloropropane	7.433	63	4532	4.202	ug/l	94
40) Dibromomethane	7.586	93	4163	4.413	ug/l	97
41) Bromodichloromethane	7.824	83	6807	3.978	ug/l	92
42) Vinyl Acetate	3.727	43	45806	19.568	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX093022\
 Data File : VX031820.D
 Acq On : 30 Sep 2022 18:39
 Operator : JC/MD
 Sample : N3980-07 4.0PPB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2022

Quant Time: Oct 03 01:15:23 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)
43) Ethyl Acetate	4.727	43	5757m	4.414	ug/l	
44) Isopropyl Acetate	6.342	43	8413	4.058	ug/l	95
45) 1,4-Dioxane	7.708	88	2328	78.477	ug/l	94
46) Methyl methacrylate	7.696	41	3890	4.020	ug/l	91
47) n-amyl Acetate	10.847	43	5867	3.295	ug/l	98
48) t-1,3-Dichloropropene	8.982	75	5559	3.295	ug/l	95
49) cis-1,3-Dichloropropene	8.366	75	6286	3.397	ug/l	98
50) 1,1,2-Trichloroethane	9.153	97	5841	4.275	ug/l	94
51) Ethyl methacrylate	9.122	69	6177	3.487	ug/l	96
52) 1,3-Dichloropropane	9.311	76	8970	4.284	ug/l	97
53) Dibromochloromethane	9.525	129	5004	3.289	ug/l	97
54) 1,2-Dibromoethane	9.610	107	5813	3.840	ug/l	99
55) 2-Chloroethyl vinyl ether	8.244	63	17809	20.504	ug/l	96
56) Bromoform	10.799	173	3184	2.855	ug/l #	97
58) 4-Methyl-2-Pentanone	8.573	43	27971	22.257	ug/l	98
59) 2-Hexanone	9.433	43	19828	21.095	ug/l	99
61) Tetrachloroethene	9.275	164	6259	4.170	ug/l	93
62) Toluene	8.720	91	23295	4.353	ug/l	100
64) Chlorobenzene	10.079	112	15208	4.164	ug/l	100
65) 1,1,1,2-Tetrachloroethane	10.165	131	4933	3.563	ug/l	94
66) Ethyl Benzene	10.195	91	24560	4.072	ug/l	94
67) m/p-Xylenes	10.305	106	20227	8.053	ug/l	99
68) o-Xylene	10.640	106	10280	4.169	ug/l	95
69) Styrene	10.659	104	15127	3.777	ug/l	97
70) Isopropylbenzene	10.963	105	25408	3.965	ug/l	97
71) 1,1,2,2-Tetrachloroethane	11.213	83	7984	4.371	ug/l	99
72) 1,2,3-Trichloropropane	11.244	75	6640m	4.191	ug/l	
73) Bromobenzene	11.201	156	6535	3.802	ug/l	97
74) n-propylbenzene	11.305	91	28456	4.039	ug/l	97
75) 2-Chlorotoluene	11.366	91	17417	4.112	ug/l	97
76) 1,3,5-Trimethylbenzene	11.451	105	21197	3.924	ug/l	100
77) t-1,4-Dichloro-2-butene	11.018	75	1125	2.452	ug/l #	54
78) 4-Chlorotoluene	11.457	91	20137	4.170	ug/l	99
79) tert-butylbenzene	11.713	119	20805	3.831	ug/l	94
80) 1,2,4-Trimethylbenzene	11.750	105	20717	3.867	ug/l	100
81) sec-Butylbenzene	11.890	105	26213	3.942	ug/l	99
82) p-Isopropyltoluene	12.012	119	21163	3.621	ug/l	97
83) 1,3-Dichlorobenzene	11.969	146	12621	3.881	ug/l	97
84) 1,4-Dichlorobenzene	12.042	146	11828	3.546	ug/l	96
85) n-Butylbenzene	12.335	91	16339	3.625	ug/l	97
86) Hexachloroethane	12.542	117	2929	3.192	ug/l	95
87) 1,2-Dichlorobenzene	12.335	146	12442	3.834	ug/l	96
88) 1,2-Dibromo-3-Chloropr...	12.945	75	1381	3.768	ug/l	94
89) 1,2,4-Trichlorobenzene	13.591	180	7064	3.365	ug/l	94
90) Hexachlorobutadiene	13.725	225	2911	3.451	ug/l	95
91) Naphthalene	13.774	128	23199	3.454	ug/l	98
92) 1,2,3-Trichlorobenzene	13.963	180	7102	3.415	ug/l	96

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

