

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX093022\
 Data File : VX031815.D
 Acq On : 30 Sep 2022 16:44
 Operator : JC/MD
 Sample : VX0930WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0930WBSD01

Quant Time: Oct 03 01:13:13 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	4.903	128	18897	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	101482	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	96592	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	45479	31.976	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	= 106.600%	
60) 4-Bromofluorobenzene	11.079	95	55883	31.260	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	= 104.200%	
63) Toluene-d8	8.647	98	152824	31.144	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	= 103.800%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	16693	21.185	ug/l	100
3) Chloromethane	1.288	50	19018	23.033	ug/l	94
4) Vinyl Chloride	1.374	62	24081	21.742	ug/l	97
5) Bromomethane	1.611	94	20378	20.110	ug/l	98
6) Chloroethane	1.691	64	19338	19.801	ug/l	92
7) Trichlorofluoromethane	1.886	101	52811	22.313	ug/l	99
8) Diethyl Ether	2.130	74	17875	22.288	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.325	101	24580	21.882	ug/l	99
10) 1,1-Dichloroethene	2.319	96	21469	20.694	ug/l	99
11) Methyl Iodide	2.453	142	20349	17.916	ug/l	99
12) Methyl Acetate	2.703	43	26128	22.043	ug/l	93
13) Acrolein	2.239	56	10136	96.540	ug/l	99
14) Acrylonitrile	3.068	53	55042	109.402	ug/l	99
15) Acetone	2.392	58	14421	105.809	ug/l	86
16) Carbon Disulfide	2.508	76	45495	19.988	ug/l	95
17) Allyl chloride	2.666	41	26786	21.329	ug/l	95
18) Methylene Chloride	2.788	84	26342	22.186	ug/l	96
19) trans-1,2-Dichloroethene	3.087	96	25194	20.972	ug/l	95
20) Diisopropyl ether	3.757	45	63182	21.892	ug/l	95
21) 1,1-Dichloroethane	3.611	63	39939	21.212	ug/l	97
22) cis-1,2-Dichloroethene	4.489	96	30332	20.901	ug/l	98
23) tert-Butyl Alcohol	2.995	59	20482	109.212	ug/l #	100
24) Methyl tert-Butyl Ether	3.111	73	77587	21.759	ug/l	99
25) Chloroform	5.092	83	49478	21.404	ug/l	96
26) Cyclohexane	5.470	56	33423	21.520	ug/l #	99
29) 1,1-Dichloropropene	5.690	75	34385	21.859	ug/l	98
30) 2-Butanone	4.562	43	70739	110.473	ug/l	99
31) 2,2-Dichloropropane	4.483	77	31866	20.230	ug/l	97
32) 1,1,1-Trichloroethane	5.385	97	44239	21.245	ug/l	97
33) Carbon Tetrachloride	5.678	117	38888	20.368	ug/l	99
34) Benzene	6.037	78	99939	21.468	ug/l	99
35) Methacrylonitrile	4.922	41	15165	22.663	ug/l	93
36) 1,2-Dichloroethane	6.080	62	36467	22.233	ug/l	99
37) Trichloroethene	7.123	130	30914	20.354	ug/l	90
38) Methylcyclohexane	7.379	83	40570	21.068	ug/l	99
39) 1,2-Dichloropropane	7.427	63	23174	21.780	ug/l	93
40) Dibromomethane	7.580	93	20830	22.382	ug/l	98
41) Bromodichloromethane	7.824	83	35137	20.817	ug/l	95
42) Vinyl Acetate	3.721	43	257976	111.721	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.714	43	27483	21.361	ug/l #	86
44) Isopropyl Acetate	6.342	43	45290	22.148	ug/l	98
45) 1,4-Dioxane	7.702	88	13532	462.433	ug/l #	94
46) Methyl methacrylate	7.690	41	21134	22.141	ug/l	93
47) n-amyl Acetate	10.841	43	38327	21.823	ug/l	100
48) t-1,3-Dichloropropene	8.976	75	34202	20.554	ug/l	99
49) cis-1,3-Dichloropropene	8.366	75	37800	20.708	ug/l	99
50) 1,1,2-Trichloroethane	9.153	97	30135	22.357	ug/l	96
51) Ethyl methacrylate	9.116	69	37920	21.702	ug/l	99
52) 1,3-Dichloropropane	9.311	76	46334	22.431	ug/l	98
53) Dibromochloromethane	9.518	129	30887	20.578	ug/l	98
54) 1,2-Dibromoethane	9.610	107	32184	21.553	ug/l	99
55) 2-Chloroethyl vinyl ether	8.244	63	99619	116.270	ug/l	99
56) Bromoform	10.799	173	21133	19.209	ug/l	99
58) 4-Methyl-2-Pentanone	8.574	43	151465	116.639	ug/l	100
59) 2-Hexanone	9.433	43	111496	114.799	ug/l	99
61) Tetrachloroethene	9.275	164	31632	20.395	ug/l	96
62) Toluene	8.720	91	120710	21.827	ug/l	99
64) Chlorobenzene	10.079	112	81262	21.535	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.165	131	29408	20.557	ug/l	99
66) Ethyl Benzene	10.195	91	134193	21.530	ug/l	99
67) m/p-Xylenes	10.299	106	114471	44.106	ug/l	100
68) o-Xylene	10.640	106	54616	21.434	ug/l	98
69) Styrene	10.659	104	89356	21.591	ug/l	99
70) Isopropylbenzene	10.963	105	147105	22.214	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.213	83	42869	22.712	ug/l	98
72) 1,2,3-Trichloropropane	11.238	75	36751m	22.451	ug/l	
73) Bromobenzene	11.195	156	36763	20.699	ug/l	99
74) n-propylbenzene	11.305	91	161524	22.188	ug/l	99
75) 2-Chlorotoluene	11.366	91	97842	22.355	ug/l	98
76) 1,3,5-Trimethylbenzene	11.451	105	124792	22.356	ug/l	98
77) t-1,4-Dichloro-2-butene	11.018	75	8911	18.799	ug/l	92
78) 4-Chlorotoluene	11.457	91	111272	22.301	ug/l	99
79) tert-butylbenzene	11.713	119	121194	21.599	ug/l	99
80) 1,2,4-Trimethylbenzene	11.750	105	126896	22.925	ug/l	99
81) sec-Butylbenzene	11.890	105	150675	21.927	ug/l	100
82) p-Isopropyltoluene	12.012	119	131545	21.782	ug/l	100
83) 1,3-Dichlorobenzene	11.969	146	72950	21.708	ug/l	98
84) 1,4-Dichlorobenzene	12.042	146	73777	21.408	ug/l	98
85) n-Butylbenzene	12.335	91	102840	22.082	ug/l	99
86) Hexachloroethane	12.536	117	19413	20.475	ug/l	100
87) 1,2-Dichlorobenzene	12.335	146	72965	21.762	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	12.945	75	8360	22.074	ug/l	96
89) 1,2,4-Trichlorobenzene	13.591	180	44530	20.526	ug/l	99
90) Hexachlorobutadiene	13.725	225	17331	19.885	ug/l	96
91) Naphthalene	13.774	128	151329	21.802	ug/l	99
92) 1,2,3-Trichlorobenzene	13.963	180	44377	20.652	ug/l	96

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

