

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX093022\
 Data File : VX031812.D
 Acq On : 30 Sep 2022 14:09
 Operator : JC/MD
 Sample : VSTDICV020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX093022

Quant Time: Oct 03 01:03:18 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	4.904	128	20792	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	116361	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	109695	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	49249	31.471	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	= 104.900%	
60) 4-Bromofluorobenzene	11.079	95	63368	31.213	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	= 104.033%	
63) Toluene-d8	8.647	98	173235	31.086	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	= 103.633%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	19056	21.979	ug/l	98
3) Chloromethane	1.288	50	20158	22.188	ug/l	99
4) Vinyl Chloride	1.374	62	26365	21.635	ug/l	99
5) Bromomethane	1.611	94	24768	22.215	ug/l	96
6) Chloroethane	1.685	64	20705	19.269	ug/l	95
7) Trichlorofluoromethane	1.886	101	56962	21.873	ug/l	99
8) Diethyl Ether	2.130	74	19698	22.323	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.325	101	27450	22.210	ug/l	99
10) 1,1-Dichloroethene	2.319	96	23845	20.889	ug/l	97
11) Methyl Iodide	2.453	142	19549	15.643	ug/l	98
12) Methyl Acetate	2.703	43	28465	21.826	ug/l	99
13) Acrolein	2.239	56	11322	98.008	ug/l	95
14) Acrylonitrile	3.068	53	58409	105.514	ug/l	99
15) Acetone	2.392	58	17723	118.185	ug/l	84
16) Carbon Disulfide	2.514	76	51580	20.596	ug/l	99
17) Allyl chloride	2.666	41	29334	21.229	ug/l	95
18) Methylene Chloride	2.788	84	28007	21.439	ug/l	95
19) trans-1,2-Dichloroethene	3.093	96	27664	20.929	ug/l	96
20) Diisopropyl ether	3.757	45	69194	21.790	ug/l	94
21) 1,1-Dichloroethane	3.611	63	44097	21.286	ug/l	99
22) cis-1,2-Dichloroethene	4.483	96	33884	21.221	ug/l	99
23) tert-Butyl Alcohol	2.989	59	22833	110.652	ug/l #	100
24) Methyl tert-Butyl Ether	3.111	73	83213	21.210	ug/l	100
25) Chloroform	5.099	83	54542	21.444	ug/l	100
26) Cyclohexane	5.470	56	37382	21.875	ug/l #	97
29) 1,1-Dichloropropene	5.690	75	37943	21.036	ug/l	100
30) 2-Butanone	4.568	43	78788	107.309	ug/l	99
31) 2,2-Dichloropropane	4.477	77	36928	20.446	ug/l	98
32) 1,1,1-Trichloroethane	5.379	97	48443	20.289	ug/l	99
33) Carbon Tetrachloride	5.672	117	44449	20.304	ug/l	97
34) Benzene	6.037	78	111661	20.919	ug/l	98
35) Methacrylonitrile	4.922	41	16056	20.927	ug/l	94
36) 1,2-Dichloroethane	6.086	62	40378	21.470	ug/l	99
37) Trichloroethene	7.129	130	35287	20.262	ug/l	95
38) Methylcyclohexane	7.379	83	46112	20.884	ug/l	99
39) 1,2-Dichloropropane	7.427	63	25859	21.196	ug/l	94
40) Dibromomethane	7.580	93	21762	20.394	ug/l	95
41) Bromodichloromethane	7.824	83	39813	20.571	ug/l	99
42) Vinyl Acetate	3.721	43	281203	106.208	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX093022\
 Data File : VX031812.D
 Acq On : 30 Sep 2022 14:09
 Operator : JC/MD
 Sample : VSTDICV020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX093022

Quant Time: Oct 03 01:03:18 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	4.715	43	30267	20.517	ug/l #	86
44) Isopropyl Acetate	6.342	43	48730	20.783	ug/l	99
45) 1,4-Dioxane	7.696	88	13965	416.207	ug/l	98
46) Methyl methacrylate	7.690	41	23214	21.211	ug/l	97
47) n-amyl Acetate	10.848	43	42499	21.104	ug/l	100
48) t-1,3-Dichloropropene	8.982	75	38215	20.029	ug/l	99
49) cis-1,3-Dichloropropene	8.366	75	41517	19.836	ug/l	99
50) 1,1,2-Trichloroethane	9.153	97	32761	21.197	ug/l	98
51) Ethyl methacrylate	9.116	69	41654	20.790	ug/l	98
52) 1,3-Dichloropropane	9.311	76	50450	21.301	ug/l	99
53) Dibromochloromethane	9.519	129	34508	20.050	ug/l	96
54) 1,2-Dibromoethane	9.610	107	35561	20.770	ug/l	99
55) 2-Chloroethyl vinyl ether	8.244	63	94337	96.026	ug/l	99
56) Bromoform	10.799	173	23530	18.653	ug/l	99
58) 4-Methyl-2-Pentanone	8.574	43	161568	109.557	ug/l	99
59) 2-Hexanone	9.433	43	121695	110.333	ug/l	100
61) Tetrachloroethene	9.275	164	35926	20.396	ug/l	96
62) Toluene	8.720	91	135633	21.596	ug/l	100
64) Chlorobenzene	10.079	112	90682	21.161	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.165	131	34187	21.043	ug/l	96
66) Ethyl Benzene	10.195	91	150989	21.331	ug/l	97
67) m/p-Xylenes	10.299	106	126605	42.954	ug/l	99
68) o-Xylene	10.640	106	63054	21.789	ug/l	97
69) Styrene	10.659	104	101190	21.529	ug/l	100
70) Isopropylbenzene	10.963	105	164870	21.923	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.213	83	47055	21.952	ug/l	99
72) 1,2,3-Trichloropropane	11.244	75	40771m	21.932	ug/l	
73) Bromobenzene	11.201	156	43036	21.337	ug/l	99
74) n-propylbenzene	11.305	91	181541	21.959	ug/l	100
75) 2-Chlorotoluene	11.366	91	109786	22.088	ug/l	100
76) 1,3,5-Trimethylbenzene	11.451	105	140293	22.131	ug/l	98
77) t-1,4-Dichloro-2-butene	11.018	75	9925	18.437	ug/l	98
78) 4-Chlorotoluene	11.457	91	126420	22.311	ug/l	100
79) tert-butylbenzene	11.713	119	138050	21.664	ug/l	99
80) 1,2,4-Trimethylbenzene	11.750	105	139276	22.156	ug/l	100
81) sec-Butylbenzene	11.890	105	171413	21.966	ug/l	100
82) p-Isopropyltoluene	12.012	119	153348	22.359	ug/l	99
83) 1,3-Dichlorobenzene	11.969	146	83066	21.766	ug/l	97
84) 1,4-Dichlorobenzene	12.042	146	83746	21.398	ug/l	99
85) n-Butylbenzene	12.335	91	117191	22.158	ug/l	99
86) Hexachloroethane	12.536	117	21796	20.242	ug/l	98
87) 1,2-Dichlorobenzene	12.335	146	81750	21.469	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	12.945	75	8878	20.641	ug/l	92
89) 1,2,4-Trichlorobenzene	13.585	180	51099	20.740	ug/l	99
90) Hexachlorobutadiene	13.725	225	20861	21.076	ug/l	97
91) Naphthalene	13.774	128	167789	21.286	ug/l	99
92) 1,2,3-Trichlorobenzene	13.963	180	52121	21.359	ug/l	95

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

