

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX093022\
 Data File : VX031809.D
 Acq On : 30 Sep 2022 12:57
 Operator : JC/MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC100

Quant Time: Oct 03 00:37:07 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X093022W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Oct 03 00:33:36 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	4.904	128	25876	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	135200	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	132305	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	53325	27.380	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	91.267%
60) 4-Bromofluorobenzene	11.079	95	71777	29.306	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	97.700%
63) Toluene-d8	8.653	98	197706	29.415	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	98.033%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	93992	87.111	ug/l	99
3) Chloromethane	1.288	50	94259	83.368	ug/l	100
4) Vinyl Chloride	1.368	62	128048	84.431	ug/l	99
5) Bromomethane	1.611	94	121980	87.911	ug/l	96
6) Chloroethane	1.685	64	119143	89.098	ug/l	90
7) Trichlorofluoromethane	1.886	101	279687	86.297	ug/l	99
8) Diethyl Ether	2.130	74	94833	86.354	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.325	101	134390	87.370	ug/l	97
10) 1,1-Dichloroethene	2.319	96	125270	88.181	ug/l	91
11) Methyl Iodide	2.453	142	158800	102.107	ug/l	97
12) Methyl Acetate	2.703	43	139894	86.191	ug/l	98
13) Acrolein	2.239	56	55800	388.124	ug/l	95
14) Acrylonitrile	3.069	53	307559	446.433	ug/l	98
15) Acetone	2.386	58	79515	426.061	ug/l	92
16) Carbon Disulfide	2.508	76	279072	89.541	ug/l	99
17) Allyl chloride	2.660	41	152726	88.810	ug/l	99
18) Methylene Chloride	2.788	84	139269	85.661	ug/l	94
19) trans-1,2-Dichloroethene	3.093	96	149129	90.656	ug/l	100
20) Diisopropyl ether	3.764	45	346816	87.759	ug/l #	81
21) 1,1-Dichloroethane	3.611	63	225405	87.428	ug/l	100
22) cis-1,2-Dichloroethene	4.489	96	178523	89.837	ug/l	96
23) tert-Butyl Alcohol	2.995	59	117629m	458.403	ug/l	
24) Methyl tert-Butyl Ether	3.111	73	436832	89.467	ug/l	96
25) Chloroform	5.093	83	282943	89.386	ug/l	99
26) Cyclohexane	5.471	56	189360	89.038	ug/l #	94
29) 1,1-Dichloropropene	5.696	75	194263	92.695	ug/l	97
30) 2-Butanone	4.562	43	386926	453.562	ug/l	98
31) 2,2-Dichloropropane	4.477	77	204559	97.479	ug/l	100
32) 1,1,1-Trichloroethane	5.385	97	265105	95.562	ug/l	97
33) Carbon Tetrachloride	5.678	117	249706	98.171	ug/l	100
34) Benzene	6.038	78	573139	92.412	ug/l	99
35) Methacrylonitrile	4.922	41	85122	95.485	ug/l	92
36) 1,2-Dichloroethane	6.086	62	198535	90.856	ug/l	99
37) Trichloroethene	7.123	130	193106	95.432	ug/l	96
38) Methylcyclohexane	7.385	83	241774	94.242	ug/l	98
39) 1,2-Dichloropropane	7.434	63	131704	92.911	ug/l	98
40) Dibromomethane	7.580	93	116406	93.887	ug/l	94
41) Bromodichloromethane	7.824	83	218049	96.965	ug/l	99
42) Vinyl Acetate	3.721	43	1451017	471.674	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.715	43	157333	91.790	ug/l #	88
44) Isopropyl Acetate	6.342	43	262698	96.426	ug/l	96
45) 1,4-Dioxane	7.690	88	70652	1812.273	ug/l	99
46) Methyl methacrylate	7.696	41	122509	96.339	ug/l	94
47) n-amyl Acetate	10.842	43	234889	100.394	ug/l	99
48) t-1,3-Dichloropropene	8.976	75	227671	102.700	ug/l	98
49) cis-1,3-Dichloropropene	8.366	75	241427	99.275	ug/l	96
50) 1,1,2-Trichloroethane	9.153	97	171109	95.285	ug/l	97
51) Ethyl methacrylate	9.116	69	225648	96.932	ug/l	99
52) 1,3-Dichloropropane	9.311	76	256216	93.105	ug/l	100
53) Dibromochloromethane	9.525	129	207333	103.681	ug/l	99
54) 1,2-Dibromoethane	9.610	107	191075	96.048	ug/l	99
55) 2-Chloroethyl vinyl ether	8.244	63	511346	447.975	ug/l	96
56) Bromoform	10.799	173	161473	110.167	ug/l	99
58) 4-Methyl-2-Pentanone	8.580	43	806824	453.602	ug/l	97
59) 2-Hexanone	9.433	43	603355	453.541	ug/l	98
61) Tetrachloroethene	9.275	164	207895	97.858	ug/l	98
62) Toluene	8.720	91	691887	91.338	ug/l	100
64) Chlorobenzene	10.079	112	481315	93.122	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.165	131	191938	97.953	ug/l	99
66) Ethyl Benzene	10.195	91	784926	91.942	ug/l	97
67) m/p-Xylenes	10.305	106	662352	186.317	ug/l	97
68) o-Xylene	10.640	106	327095	93.716	ug/l	94
69) Styrene	10.659	104	542135	95.634	ug/l	98
70) Isopropylbenzene	10.963	105	847015	93.382	ug/l	98
71) 1,1,2,2-Tetrachloroethane	11.213	83	240642	93.079	ug/l	100
72) 1,2,3-Trichloropropane	11.238	75	209509m	94.304	ug/l	
73) Bromobenzene	11.201	156	236799	97.340	ug/l	92
74) n-propylbenzene	11.305	91	931921	93.461	ug/l	98
75) 2-Chlorotoluene	11.366	91	549239	91.618	ug/l	98
76) 1,3,5-Trimethylbenzene	11.451	105	715052	93.521	ug/l	96
77) t-1,4-Dichloro-2-butene	11.018	75	70451	108.509	ug/l	86
78) 4-Chlorotoluene	11.457	91	631022	92.333	ug/l	97
79) tert-butylbenzene	11.713	119	728810	94.828	ug/l	97
80) 1,2,4-Trimethylbenzene	11.750	105	712819	94.016	ug/l	98
81) sec-Butylbenzene	11.890	105	882240	93.734	ug/l	98
82) p-Isopropyltoluene	12.012	119	788088	95.271	ug/l	99
83) 1,3-Dichlorobenzene	11.969	146	447162	97.146	ug/l	99
84) 1,4-Dichlorobenzene	12.043	146	452128	95.781	ug/l	98
85) n-Butylbenzene	12.335	91	609325	95.520	ug/l	98
86) Hexachloroethane	12.542	117	132846	102.292	ug/l	89
87) 1,2-Dichlorobenzene	12.335	146	439133	95.617	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	12.945	75	51405	99.092	ug/l #	83
89) 1,2,4-Trichlorobenzene	13.585	180	300234	101.035	ug/l	98
90) Hexachlorobutadiene	13.725	225	119476	100.080	ug/l	99
91) Naphthalene	13.774	128	937635	98.621	ug/l	99
92) 1,2,3-Trichlorobenzene	13.963	180	300334	102.043	ug/l	95

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

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