

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX093022\
 Data File : VX031810.D
 Acq On : 30 Sep 2022 13:21
 Operator : JC/MD
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC150

Quant Time: Oct 03 00:37:49 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	4.898	128	25682	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	138358	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	131391	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	53853	27.860	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	92.867%
60) 4-Bromofluorobenzene	11.079	95	72374	29.755	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	99.200%
63) Toluene-d8	8.653	98	194298	29.109	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	97.033%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.167	85	157985	147.525	ug/l	99
3) Chloromethane	1.288	50	150319	133.955	ug/l	98
4) Vinyl Chloride	1.368	62	205484	136.513	ug/l	100
5) Bromomethane	1.612	94	181652	131.906	ug/l	99
6) Chloroethane	1.685	64	183729	138.435	ug/l	92
7) Trichlorofluoromethane	1.880	101	439647	136.677	ug/l	99
8) Diethyl Ether	2.130	74	148909	136.620	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.325	101	226631	148.451	ug/l	95
10) 1,1-Dichloroethene	2.319	96	210901	149.580	ug/l	89
11) Methyl Iodide	2.453	142	284971	184.617	ug/l	95
12) Methyl Acetate	2.703	43	219362	136.173	ug/l	98
13) Acrolein	2.239	56	88628	621.119	ug/l	97
14) Acrylonitrile	3.069	53	478193	699.358	ug/l	99
15) Acetone	2.392	58	125799	679.154	ug/l	93
16) Carbon Disulfide	2.508	76	472594	152.779	ug/l	100
17) Allyl chloride	2.660	41	249638	146.261	ug/l	98
18) Methylene Chloride	2.788	84	231751	143.621	ug/l	92
19) trans-1,2-Dichloroethene	3.087	96	245529	150.385	ug/l	99
20) Diisopropyl ether	3.764	45	547368	139.553	ug/l #	82
21) 1,1-Dichloroethane	3.611	63	365791	142.952	ug/l	99
22) cis-1,2-Dichloroethene	4.489	96	293186	148.653	ug/l	94
23) tert-Butyl Alcohol	3.050	59	180080	707.076	ug/l #	100
24) Methyl tert-Butyl Ether	3.111	73	712590	147.047	ug/l	97
25) Chloroform	5.099	83	448037	142.611	ug/l	97
26) Cyclohexane	5.471	56	304195	144.115	ug/l #	95
29) 1,1-Dichloropropene	5.696	75	312372	145.650	ug/l	97
30) 2-Butanone	4.562	43	596338	683.083	ug/l	96
31) 2,2-Dichloropropane	4.477	77	338169	157.470	ug/l	99
32) 1,1,1-Trichloroethane	5.385	97	432548	152.361	ug/l	96
33) Carbon Tetrachloride	5.678	117	409980	157.503	ug/l	99
34) Benzene	6.038	78	926517	145.980	ug/l	99
35) Methacrylonitrile	4.922	41	129367	141.804	ug/l	92
36) 1,2-Dichloroethane	6.086	62	312710	139.840	ug/l	99
37) Trichloroethene	7.123	130	319980	154.524	ug/l	94
38) Methylcyclohexane	7.385	83	389299	148.283	ug/l	98
39) 1,2-Dichloropropane	7.434	63	214906	148.146	ug/l	97
40) Dibromomethane	7.580	93	188196	148.325	ug/l	90
41) Bromodichloromethane	7.824	83	353645	153.675	ug/l	99
42) Vinyl Acetate	3.721	43	2278195	723.657	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.715	43	244318	139.284	ug/l	# 87
44) Isopropyl Acetate	6.342	43	418984	150.283	ug/l	96
45) 1,4-Dioxane	7.702	88	106970	2681.227	ug/l	97
46) Methyl methacrylate	7.696	41	190259	146.201	ug/l	93
47) n-amyl Acetate	10.848	43	380447	158.896	ug/l	99
48) t-1,3-Dichloropropene	8.976	75	369896	163.047	ug/l	100
49) cis-1,3-Dichloropropene	8.366	75	393712	158.199	ug/l	95
50) 1,1,2-Trichloroethane	9.153	97	272223	148.132	ug/l	97
51) Ethyl methacrylate	9.116	69	359622	150.957	ug/l	99
52) 1,3-Dichloropropane	9.311	76	403307	143.210	ug/l	99
53) Dibromochloromethane	9.525	129	337967	165.149	ug/l	99
54) 1,2-Dibromoethane	9.610	107	299872	147.296	ug/l	98
55) 2-Chloroethyl vinyl ether	8.245	63	866198	741.529	ug/l	96
56) Bromoform	10.799	173	268690	179.134	ug/l	99
58) 4-Methyl-2-Pentanone	8.580	43	1235687	699.545	ug/l	96
59) 2-Hexanone	9.433	43	922620	698.356	ug/l	98
61) Tetrachloroethene	9.275	164	328984	155.933	ug/l	98
62) Toluene	8.720	91	1101873	146.473	ug/l	99
64) Chlorobenzene	10.080	112	764721	148.984	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.165	131	311120	159.881	ug/l	99
66) Ethyl Benzene	10.195	91	1247403	147.130	ug/l	98
67) m/p-Xylenes	10.305	106	1052586	298.147	ug/l	96
68) o-Xylene	10.647	106	520019	150.027	ug/l	95
69) Styrene	10.659	104	871121	154.737	ug/l	99
70) Isopropylbenzene	10.964	105	1348571	149.712	ug/l	97
71) 1,1,2,2-Tetrachloroethane	11.213	83	374215	145.751	ug/l	99
72) 1,2,3-Trichloropropane	11.244	75	320791m	145.399	ug/l	
73) Bromobenzene	11.201	156	385089	159.398	ug/l	93
74) n-propylbenzene	11.305	91	1476371	149.093	ug/l	98
75) 2-Chlorotoluene	11.366	91	867618	145.733	ug/l	97
76) 1,3,5-Trimethylbenzene	11.451	105	1129462	148.749	ug/l	96
77) t-1,4-Dichloro-2-butene	11.018	75	117703	182.549	ug/l	85
78) 4-Chlorotoluene	11.457	91	1002913	147.769	ug/l	97
79) tert-butylbenzene	11.719	119	1183893	155.112	ug/l	95
80) 1,2,4-Trimethylbenzene	11.756	105	1129508	150.011	ug/l	98
81) sec-Butylbenzene	11.890	105	1400132	149.792	ug/l	98
82) p-Isopropyltoluene	12.012	119	1246993	151.796	ug/l	98
83) 1,3-Dichlorobenzene	11.969	146	715787	156.586	ug/l	99
84) 1,4-Dichlorobenzene	12.043	146	727961	155.288	ug/l	98
85) n-Butylbenzene	12.335	91	979594	154.632	ug/l	98
86) Hexachloroethane	12.543	117	223447	173.252	ug/l	88
87) 1,2-Dichlorobenzene	12.335	146	689088	151.087	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	12.945	75	80681	156.608	ug/l	84
89) 1,2,4-Trichlorobenzene	13.591	180	483230	163.748	ug/l	98
90) Hexachlorobutadiene	13.725	225	191764	161.750	ug/l	100
91) Naphthalene	13.774	128	1440060	152.520	ug/l	98
92) 1,2,3-Trichlorobenzene	13.963	180	477716	163.440	ug/l	95

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

