

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX093022\
 Data File : VX031814.D
 Acq On : 30 Sep 2022 16:15
 Operator : JC/MD
 Sample : VX0930WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0930WBS01

Quant Time: Oct 03 01:12:31 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	18841	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	102285	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	97895	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	45602	32.158	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	= 107.200%	
60) 4-Bromofluorobenzene	11.079	95	56508	31.189	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	= 103.967%	
63) Toluene-d8	8.647	98	153300	30.825	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	= 102.733%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	16144	20.549	ug/l	95
3) Chloromethane	1.288	50	18710	22.727	ug/l	98
4) Vinyl Chloride	1.373	62	24845	22.499	ug/l	99
5) Bromomethane	1.611	94	21756	21.534	ug/l	100
6) Chloroethane	1.690	64	19462	19.987	ug/l	94
7) Trichlorofluoromethane	1.886	101	53006	22.462	ug/l	93
8) Diethyl Ether	2.129	74	18067	22.595	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.325	101	24361	21.751	ug/l	98
10) 1,1-Dichloroethene	2.318	96	21763	21.040	ug/l	96
11) Methyl Iodide	2.453	142	17840	15.754	ug/l	99
12) Methyl Acetate	2.702	43	26150	22.127	ug/l #	88
13) Acrolein	2.239	56	10496	100.266	ug/l	94
14) Acrylonitrile	3.062	53	53529	106.711	ug/l	99
15) Acetone	2.392	58	15144	111.444	ug/l	85
16) Carbon Disulfide	2.507	76	46242	20.377	ug/l	97
17) Allyl chloride	2.666	41	26638	21.274	ug/l	97
18) Methylene Chloride	2.788	84	25828	21.818	ug/l	99
19) trans-1,2-Dichloroethene	3.093	96	25251	21.082	ug/l	96
20) Diisopropyl ether	3.757	45	63469	22.057	ug/l	90
21) 1,1-Dichloroethane	3.605	63	40810	21.739	ug/l	97
22) cis-1,2-Dichloroethene	4.483	96	30311	20.949	ug/l	99
23) tert-Butyl Alcohol	2.995	59	20148	107.751	ug/l #	100
24) Methyl tert-Butyl Ether	3.111	73	74090	20.840	ug/l	100
25) Chloroform	5.092	83	50019	21.702	ug/l	98
26) Cyclohexane	5.464	56	33901	21.892	ug/l #	98
29) 1,1-Dichloropropene	5.690	75	34410	21.703	ug/l	99
30) 2-Butanone	4.562	43	69593	107.830	ug/l	100
31) 2,2-Dichloropropane	4.470	77	31038	19.550	ug/l	100
32) 1,1,1-Trichloroethane	5.385	97	44369	21.140	ug/l	97
33) Carbon Tetrachloride	5.678	117	39928	20.749	ug/l	97
34) Benzene	6.037	78	101329	21.596	ug/l	97
35) Methacrylonitrile	4.915	41	15341	22.746	ug/l	96
36) 1,2-Dichloroethane	6.080	62	37288	22.555	ug/l	99
37) Trichloroethene	7.129	130	31935	20.861	ug/l	99
38) Methylcyclohexane	7.378	83	41844	21.559	ug/l	99
39) 1,2-Dichloropropane	7.427	63	22702	21.169	ug/l	98
40) Dibromomethane	7.580	93	20515	21.871	ug/l	98
41) Bromodichloromethane	7.824	83	35515	20.876	ug/l	97
42) Vinyl Acetate	3.721	43	253934	109.108	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.708	43	28223	21.764	ug/l	# 88
44) Isopropyl Acetate	6.342	43	44182	21.436	ug/l	100
45) 1,4-Dioxane	7.695	88	13562	459.820	ug/l	97
46) Methyl methacrylate	7.689	41	21155	21.989	ug/l	97
47) n-amyl Acetate	10.847	43	38002	21.468	ug/l	98
48) t-1,3-Dichloropropene	8.976	75	33152	19.767	ug/l	98
49) cis-1,3-Dichloropropene	8.366	75	38491	20.921	ug/l	96
50) 1,1,2-Trichloroethane	9.153	97	29492	21.708	ug/l	96
51) Ethyl methacrylate	9.116	69	37999	21.576	ug/l	95
52) 1,3-Dichloropropane	9.311	76	46096	22.141	ug/l	98
53) Dibromochloromethane	9.518	129	30508	20.165	ug/l	100
54) 1,2-Dibromoethane	9.610	107	31648	21.028	ug/l	98
55) 2-Chloroethyl vinyl ether	8.244	63	98923	114.551	ug/l	99
56) Bromoform	10.799	173	21189	19.109	ug/l	99
58) 4-Methyl-2-Pentanone	8.573	43	148373	112.737	ug/l	100
59) 2-Hexanone	9.433	43	110732	112.495	ug/l	99
61) Tetrachloroethene	9.274	164	32198	20.483	ug/l	96
62) Toluene	8.720	91	121696	21.712	ug/l	99
64) Chlorobenzene	10.079	112	82099	21.467	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.165	131	29628	20.435	ug/l	99
66) Ethyl Benzene	10.195	91	138203	21.879	ug/l	99
67) m/p-Xylenes	10.299	106	116531	44.302	ug/l	100
68) o-Xylene	10.640	106	55182	21.368	ug/l	100
69) Styrene	10.658	104	91446	21.801	ug/l	100
70) Isopropylbenzene	10.963	105	150073	22.361	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.213	83	42515	22.225	ug/l	99
72) 1,2,3-Trichloropropane	11.238	75	37033m	22.322	ug/l	
73) Bromobenzene	11.201	156	37858	21.032	ug/l	99
74) n-propylbenzene	11.305	91	164539	22.302	ug/l	100
75) 2-Chlorotoluene	11.366	91	99078	22.336	ug/l	99
76) 1,3,5-Trimethylbenzene	11.451	105	127477	22.533	ug/l	99
77) t-1,4-Dichloro-2-butene	11.018	75	8788	18.293	ug/l	96
78) 4-Chlorotoluene	11.457	91	114106	22.565	ug/l	99
79) tert-butylbenzene	11.713	119	123355	21.692	ug/l	99
80) 1,2,4-Trimethylbenzene	11.750	105	126618	22.570	ug/l	98
81) sec-Butylbenzene	11.890	105	155631	22.347	ug/l	99
82) p-Isopropyltoluene	12.012	119	135666	22.165	ug/l	100
83) 1,3-Dichlorobenzene	11.969	146	74100	21.757	ug/l	97
84) 1,4-Dichlorobenzene	12.042	146	76642	21.943	ug/l	98
85) n-Butylbenzene	12.335	91	104890	22.223	ug/l	98
86) Hexachloroethane	12.536	117	19426	20.216	ug/l	99
87) 1,2-Dichlorobenzene	12.335	146	74276	21.858	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	12.945	75	8203	21.371	ug/l	97
89) 1,2,4-Trichlorobenzene	13.591	180	43812	19.926	ug/l	99
90) Hexachlorobutadiene	13.725	225	18434	20.869	ug/l	97
91) Naphthalene	13.774	128	148215	21.069	ug/l	99
92) 1,2,3-Trichlorobenzene	13.963	180	44893	20.615	ug/l	96

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

