

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032823\
 Data File : VX034772.D
 Acq On : 28 Mar 2023 01:38
 Operator : JC/MD
 Sample : VX0327WBS02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0327WBS02

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 03/29/2023
 Supervised By :Semsettin Yesilyurt 03/29/2023

Quant Time: Mar 28 09:16:04 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X032823W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Mar 28 09:11:00 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	4.898	128	28566	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	193999	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	206085	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	82775	30.158	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 100.533%			
60) 4-Bromofluorobenzene	11.079	95	119880	29.112	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 97.033%			
63) Toluene-d8	8.647	98	208967	29.838	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 99.467%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	52509	19.381	ug/l	99
3) Chloromethane	1.294	50	71218	20.272	ug/l	97
4) Vinyl Chloride	1.374	62	69390	20.020	ug/l	99
5) Bromomethane	1.618	94	48342	21.204	ug/l	99
6) Chloroethane	1.691	64	44148	19.572	ug/l	95
7) Trichlorofluoromethane	1.892	101	103880	18.815	ug/l	99
8) Diethyl Ether	2.136	74	40562	20.407	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.331	101	50675	18.091	ug/l	98
10) 1,1-Dichloroethene	2.319	96	53724	18.947	ug/l	95
11) Methyl Iodide	2.453	142	71078	19.685	ug/l	96
12) Methyl Acetate	2.709	43	125635	20.008	ug/l	99
13) Acrolein	2.239	56	642	0.882	ug/l	84
14) Acrylonitrile	3.069	53	177045	102.393	ug/l	99
15) Acetone	2.392	58	46934	99.983	ug/l	100
16) Carbon Disulfide	2.514	76	139374	19.217	ug/l	98
17) Allyl chloride	2.666	41	109241	19.910	ug/l	98
18) Methylene Chloride	2.788	84	65949	19.744	ug/l	95
19) trans-1,2-Dichloroethene	3.093	96	62544	20.158	ug/l	92
20) Diisopropyl ether	3.757	45	229404	20.408	ug/l	99
21) 1,1-Dichloroethane	3.611	63	120562	20.058	ug/l	99
22) cis-1,2-Dichloroethene	4.489	96	73283	20.279	ug/l	97
23) tert-Butyl Alcohol	3.002	59	82056m	105.476	ug/l	
24) Methyl tert-Butyl Ether	3.111	73	212587	20.176	ug/l	98
25) Chloroform	5.093	83	119838	19.602	ug/l	97
26) Cyclohexane	5.471	56	93646	17.779	ug/l #	99
29) 1,1-Dichloropropene	5.696	75	84661	18.974	ug/l	98
30) 2-Butanone	4.562	43	254122	102.124	ug/l	100
31) 2,2-Dichloropropane	4.471	77	85239	18.837	ug/l	99
32) 1,1,1-Trichloroethane	5.379	97	100604	19.220	ug/l	100
33) Carbon Tetrachloride	5.678	117	80185	18.561	ug/l	96
34) Benzene	6.038	78	261544	20.171	ug/l	99
35) Methacrylonitrile	4.922	41	54299	19.937	ug/l	96
36) 1,2-Dichloroethane	6.086	62	103840	20.425	ug/l	100
37) Trichloroethene	7.123	130	64860	19.654	ug/l	95
38) Methylcyclohexane	7.379	83	84644	17.363	ug/l	97
39) 1,2-Dichloropropane	7.434	63	68703	20.384	ug/l	98
40) Dibromomethane	7.580	93	46940	20.274	ug/l	99
41) Bromodichloromethane	7.824	83	86500	19.834	ug/l	99
42) Vinyl Acetate	3.721	43	839273	103.385	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.715	43	101061	20.941	ug/l	98
44) Isopropyl Acetate	6.336	43	166120	20.334	ug/l	99
45) 1,4-Dioxane	7.714	88	35158	434.375	ug/l	99
46) Methyl methacrylate	7.690	41	80557	20.237	ug/l	99
47) n-amyl Acetate	10.842	43	139700	19.669	ug/l	99
48) t-1,3-Dichloropropene	8.976	75	91247	19.203	ug/l	99
49) cis-1,3-Dichloropropene	8.366	75	101400	19.424	ug/l	99
50) 1,1,2-Trichloroethane	9.153	97	65689	20.365	ug/l	98
51) Ethyl methacrylate	9.116	69	104011	19.868	ug/l	99
52) 1,3-Dichloropropane	9.311	76	115754	20.315	ug/l	99
53) Dibromochloromethane	9.519	129	61660	19.323	ug/l	98
54) 1,2-Dibromoethane	9.610	107	68272	19.787	ug/l	100
55) 2-Chloroethyl vinyl ether	8.238	63	279320	101.386	ug/l	99
56) Bromoform	10.799	173	39945	18.155	ug/l	98
58) 4-Methyl-2-Pentanone	8.574	43	502706	106.391	ug/l	100
59) 2-Hexanone	9.427	43	376334	105.784	ug/l	100
61) Tetrachloroethene	9.275	164	53187	19.154	ug/l	98
62) Toluene	8.720	91	269687	20.013	ug/l	99
64) Chlorobenzene	10.079	112	166225	20.031	ug/l	98
65) 1,1,1,2-Tetrachloroethane	10.159	131	59782	20.152	ug/l	99
66) Ethyl Benzene	10.195	91	297850	19.845	ug/l	100
67) m/p-Xylenes	10.299	106	224901	39.382	ug/l	98
68) o-Xylene	10.640	106	112262	19.878	ug/l	98
69) Styrene	10.653	104	180291	19.365	ug/l	98
70) Isopropylbenzene	10.963	105	277033	18.954	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.213	83	98573	20.518	ug/l	98
72) 1,2,3-Trichloropropane	11.238	75	93242m	21.321	ug/l	
73) Bromobenzene	11.195	156	70151	19.985	ug/l	98
74) n-propylbenzene	11.305	91	315767	18.559	ug/l	100
75) 2-Chlorotoluene	11.366	91	202342	19.076	ug/l	99
76) 1,3,5-Trimethylbenzene	11.451	105	231446	18.811	ug/l	100
77) t-1,4-Dichloro-2-butene	11.018	75	23988	17.860	ug/l	93
78) 4-Chlorotoluene	11.451	91	232644	19.131	ug/l	99
79) tert-butylbenzene	11.713	119	220090	18.739	ug/l	99
80) 1,2,4-Trimethylbenzene	11.750	105	231957	18.972	ug/l	100
81) sec-Butylbenzene	11.890	105	263083	18.486	ug/l	100
82) p-Isopropyltoluene	12.006	119	216429	18.021	ug/l	99
83) 1,3-Dichlorobenzene	11.969	146	127299	19.204	ug/l	99
84) 1,4-Dichlorobenzene	12.043	146	128278	19.270	ug/l	99
85) n-Butylbenzene	12.329	91	186073	17.977	ug/l	99
86) Hexachloroethane	12.536	117	34027	17.299	ug/l	99
87) 1,2-Dichlorobenzene	12.335	146	128237	19.770	ug/l	100
88) 1,2-Dibromo-3-Chloropr...	12.939	75	20926	19.932	ug/l	97
89) 1,2,4-Trichlorobenzene	13.591	180	75115	19.305	ug/l	100
90) Hexachlorobutadiene	13.725	225	27765	18.503	ug/l	98
91) Naphthalene	13.774	128	282666	20.561	ug/l	99
92) 1,2,3-Trichlorobenzene	13.963	180	76841	19.754	ug/l	99

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

