

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032823\
 Data File : VX034773.D
 Acq On : 28 Mar 2023 02:02
 Operator : JC/MD
 Sample : VX0327WBSD02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0327WBSD02

Manual Integrations
 APPROVED

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

Quant Time: Mar 28 09:16:20 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	4.897	128	27750	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	199427	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	212911	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	81912	30.721	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 102.400%			
60) 4-Bromofluorobenzene	11.079	95	124571	29.281	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 97.600%			
63) Toluene-d8	8.647	98	216466	29.917	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 99.733%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	57160	21.718	ug/l	98
3) Chloromethane	1.294	50	72423	21.221	ug/l	97
4) Vinyl Chloride	1.374	62	70725	21.005	ug/l	97
5) Bromomethane	1.617	94	48140	21.736	ug/l	95
6) Chloroethane	1.691	64	44500	20.308	ug/l	96
7) Trichlorofluoromethane	1.892	101	115409	21.518	ug/l	95
8) Diethyl Ether	2.130	74	39808	20.617	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.331	101	57095	20.983	ug/l	99
10) 1,1-Dichloroethene	2.319	96	56065	20.354	ug/l	96
11) Methyl Iodide	2.453	142	73781	21.034	ug/l	93
12) Methyl Acetate	2.703	43	126559	20.748	ug/l	99
13) Acrolein	2.239	56	835	1.180	ug/l	85
14) Acrylonitrile	3.068	53	173006	103.000	ug/l	98
15) Acetone	2.398	58	48077	105.430	ug/l	84
16) Carbon Disulfide	2.514	76	146055	20.730	ug/l	100
17) Allyl chloride	2.666	41	109209	20.489	ug/l	98
18) Methylene Chloride	2.794	84	66512	20.499	ug/l	94
19) trans-1,2-Dichloroethene	3.093	96	62831	20.846	ug/l	95
20) Diisopropyl ether	3.757	45	226672	20.758	ug/l	99
21) 1,1-Dichloroethane	3.611	63	122249	20.937	ug/l	98
22) cis-1,2-Dichloroethene	4.489	96	73122	20.830	ug/l	98
23) tert-Butyl Alcohol	3.001	59	80333m	106.297	ug/l	
24) Methyl tert-Butyl Ether	3.111	73	209487	20.466	ug/l	98
25) Chloroform	5.093	83	120353	20.265	ug/l	99
26) Cyclohexane	5.470	56	107672	21.043	ug/l #	97
29) 1,1-Dichloropropene	5.696	75	90124	19.649	ug/l	99
30) 2-Butanone	4.562	43	252559	98.733	ug/l	100
31) 2,2-Dichloropropane	4.477	77	85460	18.372	ug/l	100
32) 1,1,1-Trichloroethane	5.385	97	105776	19.658	ug/l	100
33) Carbon Tetrachloride	5.678	117	86960	19.581	ug/l	99
34) Benzene	6.037	78	265321	19.905	ug/l	97
35) Methacrylonitrile	4.916	41	53785	19.211	ug/l	98
36) 1,2-Dichloroethane	6.086	62	104247	19.947	ug/l	98
37) Trichloroethene	7.123	130	67982	20.040	ug/l	96
38) Methylcyclohexane	7.379	83	99093	19.774	ug/l	96
39) 1,2-Dichloropropane	7.427	63	68406	19.743	ug/l	99
40) Dibromomethane	7.580	93	47014	19.753	ug/l	99
41) Bromodichloromethane	7.824	83	85814	19.141	ug/l #	96
42) Vinyl Acetate	3.721	43	836553	100.245	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.721	43	100483	20.254	ug/l	99
44) Isopropyl Acetate	6.336	43	163412	19.458	ug/l	99
45) 1,4-Dioxane	7.708	88	35019	420.882	ug/l	97
46) Methyl methacrylate	7.690	41	79655	19.466	ug/l	99
47) n-amyl Acetate	10.841	43	141037	19.317	ug/l	99
48) t-1,3-Dichloropropene	8.976	75	91251	18.681	ug/l	99
49) cis-1,3-Dichloropropene	8.366	75	103285	19.246	ug/l	97
50) 1,1,2-Trichloroethane	9.153	97	64960	19.591	ug/l	97
51) Ethyl methacrylate	9.116	69	102879	19.117	ug/l	97
52) 1,3-Dichloropropane	9.305	76	117392	20.042	ug/l	99
53) Dibromochloromethane	9.519	129	62596	19.083	ug/l	99
54) 1,2-Dibromoethane	9.610	107	68687	19.366	ug/l	99
55) 2-Chloroethyl vinyl ether	8.238	63	265902	93.889	ug/l	99
56) Bromoform	10.799	173	40898	18.083	ug/l	97
58) 4-Methyl-2-Pentanone	8.574	43	505767	103.607	ug/l	100
59) 2-Hexanone	9.427	43	380279	103.466	ug/l	99
61) Tetrachloroethene	9.275	164	58637	20.439	ug/l	97
62) Toluene	8.720	91	287018	20.616	ug/l	99
64) Chlorobenzene	10.079	112	176316	20.566	ug/l	98
65) 1,1,1,2-Tetrachloroethane	10.165	131	62024	20.237	ug/l	99
66) Ethyl Benzene	10.195	91	321941	20.762	ug/l	98
67) m/p-Xylenes	10.299	106	243426	41.260	ug/l	100
68) o-Xylene	10.640	106	122048	20.918	ug/l	99
69) Styrene	10.652	104	193607	20.129	ug/l	99
70) Isopropylbenzene	10.963	105	308460	20.428	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.213	83	101991	20.549	ug/l	99
72) 1,2,3-Trichloropropane	11.238	75	95743m	21.191	ug/l	
73) Bromobenzene	11.195	156	72524	19.999	ug/l	96
74) n-propylbenzene	11.305	91	360250	20.494	ug/l	99
75) 2-Chlorotoluene	11.366	91	224794	20.513	ug/l	98
76) 1,3,5-Trimethylbenzene	11.451	105	259505	20.416	ug/l	99
77) t-1,4-Dichloro-2-butene	11.018	75	24446	17.618	ug/l	96
78) 4-Chlorotoluene	11.451	91	255955	20.373	ug/l	100
79) tert-butylbenzene	11.713	119	247278	20.379	ug/l	99
80) 1,2,4-Trimethylbenzene	11.750	105	259156	20.517	ug/l	98
81) sec-Butylbenzene	11.890	105	300835	20.461	ug/l	99
82) p-Isopropyltoluene	12.006	119	253581	20.438	ug/l	100
83) 1,3-Dichlorobenzene	11.969	146	135922	19.848	ug/l	99
84) 1,4-Dichlorobenzene	12.042	146	138850	20.190	ug/l	99
85) n-Butylbenzene	12.329	91	214947	20.101	ug/l	99
86) Hexachloroethane	12.536	117	40158	19.761	ug/l	95
87) 1,2-Dichlorobenzene	12.335	146	135192	20.174	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	12.945	75	21209	19.554	ug/l	96
89) 1,2,4-Trichlorobenzene	13.591	180	81371	20.242	ug/l	98
90) Hexachlorobutadiene	13.725	225	32592	21.023	ug/l	98
91) Naphthalene	13.774	128	288414	20.307	ug/l	99
92) 1,2,3-Trichlorobenzene	13.963	180	83253	20.716	ug/l	98

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

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