

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071423\
 Data File : VX036527.D
 Acq On : 13 Jul 2023 15:20
 Operator : JC/MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

Quant Time: Jul 14 02:26:54 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X071423W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jul 14 02:24:12 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	4.903	128	30273	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	182186	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	164132	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	78434	31.217	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	104.067%
60) 4-Bromofluorobenzene	11.085	95	80251	30.143	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	100.467%
63) Toluene-d8	8.653	98	223849	29.638	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	98.800%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	163508	96.669	ug/l	96
3) Chloromethane	1.300	50	229213	99.053	ug/l	93
4) Vinyl Chloride	1.374	62	229022	95.977	ug/l	99
5) Bromomethane	1.605	94	234903	96.125	ug/l	96
6) Chloroethane	1.672	64	172612	106.276	ug/l	96
7) Trichlorofluoromethane	1.880	101	381357	98.510	ug/l	98
8) Diethyl Ether	2.136	74	172021	106.944	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.325	101	166367	94.918	ug/l	98
10) 1,1-Dichloroethene	2.319	96	176886	99.850	ug/l	98
11) Methyl Iodide	2.453	142	234044	115.937	ug/l	98
12) Methyl Acetate	2.703	43	431996	103.743	ug/l	96
13) Acrolein	2.239	56	182407	533.968	ug/l	97
14) Acrylonitrile	3.068	53	600698	514.640	ug/l	97
15) Acetone	2.386	58	171616	519.329	ug/l	100
16) Carbon Disulfide	2.508	76	436122	101.470	ug/l	98
17) Allyl chloride	2.666	41	328600	104.562	ug/l	96
18) Methylene Chloride	2.788	84	219814	103.047	ug/l	98
19) trans-1,2-Dichloroethene	3.093	96	197052	101.764	ug/l	96
20) Diisopropyl ether	3.763	45	670502	104.683	ug/l	99
21) 1,1-Dichloroethane	3.611	63	386312	103.452	ug/l	99
22) cis-1,2-Dichloroethene	4.489	96	242619	104.107	ug/l	99
23) tert-Butyl Alcohol	2.977	59	282093m	522.684	ug/l	
24) Methyl tert-Butyl Ether	3.117	73	674588	104.712	ug/l	100
25) Chloroform	5.099	83	396676	102.748	ug/l	98
26) Cyclohexane	5.470	56	273399	95.433	ug/l #	100
29) 1,1-Dichloropropene	5.696	75	269731	98.180	ug/l	99
30) 2-Butanone	4.562	43	872246	504.238	ug/l	100
31) 2,2-Dichloropropane	4.477	77	309744	102.809	ug/l	99
32) 1,1,1-Trichloroethane	5.385	97	324874	99.516	ug/l	99
33) Carbon Tetrachloride	5.678	117	275800	99.030	ug/l	99
34) Benzene	6.037	78	849424	100.306	ug/l	99
35) Methacrylonitrile	4.922	41	180138	100.372	ug/l	97
36) 1,2-Dichloroethane	6.092	62	324264	99.792	ug/l	99
37) Trichloroethene	7.129	130	219958	98.691	ug/l	98
38) Methylcyclohexane	7.385	83	294751	92.223	ug/l	98
39) 1,2-Dichloropropane	7.433	63	232175	101.144	ug/l	95
40) Dibromomethane	7.586	93	168009	101.047	ug/l	98
41) Bromodichloromethane	7.824	83	316141	104.766	ug/l	100
42) Vinyl Acetate	3.727	43	2685184	513.916	ug/l	99

07/14/2023
 Supervised By :Semsettin
 Cesilyurt

07/14/2023

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
43) Ethyl Acetate	4.721	43	336545	99.949	ug/l	98	07/14/2023
44) Isopropyl Acetate	6.342	43	549933	102.419	ug/l	98	Supervised By :Semsettin
45) 1,4-Dioxane	7.677	88	122163	2007.504	ug/l #	1	Yesilyurt
46) Methyl methacrylate	7.696	41	266146	103.701	ug/l	96	
47) n-amyl Acetate	10.841	43	474501	104.180	ug/l	99	
48) t-1,3-Dichloropropene	8.982	75	351759	106.281	ug/l	97	
49) cis-1,3-Dichloropropene	8.366	75	373160	104.373	ug/l	98	07/14/2023
50) 1,1,2-Trichloroethane	9.153	97	227156	100.641	ug/l	98	
51) Ethyl methacrylate	9.116	69	371114	104.729	ug/l	98	
52) 1,3-Dichloropropane	9.311	76	382184	100.335	ug/l	99	
53) Dibromochloromethane	9.525	129	240504	105.567	ug/l	99	
54) 1,2-Dibromoethane	9.610	107	241940	102.038	ug/l	100	
55) 2-Chloroethyl vinyl ether	8.244	63	1003322	526.463	ug/l	100	
56) Bromoform	10.799	173	170028	107.273	ug/l	99	
58) 4-Methyl-2-Pentanone	8.580	43	1702425	501.595	ug/l	99	
59) 2-Hexanone	9.433	43	1295577	501.763	ug/l	100	
61) Tetrachloroethene	9.275	164	187592	95.424	ug/l	98	
62) Toluene	8.720	91	913479	99.193	ug/l	98	
64) Chlorobenzene	10.079	112	568841	99.218	ug/l	100	
65) 1,1,1,2-Tetrachloroethane	10.165	131	215167	103.916	ug/l	99	
66) Ethyl Benzene	10.195	91	998537	99.769	ug/l	96	
67) m/p-Xylenes	10.305	106	776459	198.999	ug/l	100	
68) o-Xylene	10.640	106	385771	99.621	ug/l	97	
69) Styrene	10.658	104	639030	101.781	ug/l	99	
70) Isopropylbenzene	10.963	105	953682	98.880	ug/l	98	
71) 1,1,2,2-Tetrachloroethane	11.213	83	346267	98.365	ug/l	100	
72) 1,2,3-Trichloropropane	11.238	75	330058m	101.649	ug/l		
73) Bromobenzene	11.201	156	239431	100.427	ug/l	99	
74) n-propylbenzene	11.305	91	1127686	99.340	ug/l	100	
75) 2-Chlorotoluene	11.366	91	684306	99.129	ug/l	98	
76) 1,3,5-Trimethylbenzene	11.451	105	824103	99.436	ug/l	99	
77) t-1,4-Dichloro-2-butene	11.018	75	120602	112.588	ug/l	91	
78) 4-Chlorotoluene	11.457	91	796704	101.363	ug/l	100	
79) tert-butylbenzene	11.713	119	770006	97.887	ug/l	98	
80) 1,2,4-Trimethylbenzene	11.750	105	823515	100.281	ug/l	100	
81) sec-Butylbenzene	11.890	105	959981	96.956	ug/l	99	
82) p-Isopropyltoluene	12.012	119	809184	98.230	ug/l	100	
83) 1,3-Dichlorobenzene	11.969	146	444554	100.245	ug/l	99	
84) 1,4-Dichlorobenzene	12.042	146	442692	100.180	ug/l	99	
85) n-Butylbenzene	12.335	91	748543	99.825	ug/l	100	
86) Hexachloroethane	12.542	117	143440	105.173	ug/l	97	
87) 1,2-Dichlorobenzene	12.335	146	444441	99.916	ug/l	98	
88) 1,2-Dibromo-3-Chloropr...	12.945	75	85258	107.711	ug/l	99	
89) 1,2,4-Trichlorobenzene	13.585	180	282107	100.572	ug/l	99	
90) Hexachlorobutadiene	13.725	225	92265	90.558	ug/l	95	
91) Naphthalene	13.774	128	1025928	104.235	ug/l	99	
92) 1,2,3-Trichlorobenzene	13.963	180	283563	100.152	ug/l	99	

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

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