

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012523\
 Data File : VX033899.D
 Acq On : 25 Jan 2023 19:39
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

Quant Time: Jan 26 05:13:55 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X011823W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jan 18 14:40:07 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	4.897	128	14889	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	98422	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	107638	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	33072	28.703	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	95.667%
60) 4-Bromofluorobenzene	11.079	95	57152	29.701	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	99.000%
63) Toluene-d8	8.647	98	104305	30.373	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	101.233%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	26123	19.151	ug/l	99
3) Chloromethane	1.294	50	29681	19.350	ug/l	96
4) Vinyl Chloride	1.374	62	29552	19.628	ug/l	100
5) Bromomethane	1.611	94	15194	15.655	ug/l	98
6) Chloroethane	1.691	64	17616	21.874	ug/l	94
7) Trichlorofluoromethane	1.892	101	42972	19.304	ug/l	100
8) Diethyl Ether	2.130	74	17151	20.441	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.331	101	25060	18.602	ug/l	99
10) 1,1-Dichloroethene	2.319	96	25191	19.037	ug/l	95
11) Methyl Iodide	2.453	142	36068	18.067	ug/l	99
12) Methyl Acetate	2.703	43	43872	18.999	ug/l	98
13) Acrolein	2.233	56	29984	116.096	ug/l	97
14) Acrylonitrile	3.062	53	74174	98.597	ug/l	99
15) Acetone	2.380	58	19401	85.766	ug/l	95
16) Carbon Disulfide	2.514	76	58048	17.894	ug/l	98
17) Allyl chloride	2.666	41	43282	18.122	ug/l	98
18) Methylene Chloride	2.788	84	29408	19.738	ug/l	99
19) trans-1,2-Dichloroethene	3.093	96	27453	19.271	ug/l	97
20) Diisopropyl ether	3.757	45	88067	18.810	ug/l	98
21) 1,1-Dichloroethane	3.611	63	48557	18.952	ug/l	99
22) cis-1,2-Dichloroethene	4.495	96	32617	19.486	ug/l	96
23) tert-Butyl Alcohol	2.959	59	23719m	91.241	ug/l	
24) Methyl tert-Butyl Ether	3.111	73	80264	18.320	ug/l	96
25) Chloroform	5.099	83	50968	19.781	ug/l	97
26) Cyclohexane	5.471	56	42098	18.031	ug/l #	98
29) 1,1-Dichloropropene	5.696	75	36133	19.113	ug/l	98
30) 2-Butanone	4.550	43	99592	95.354	ug/l #	97
31) 2,2-Dichloropropane	4.477	77	29783	16.611	ug/l	97
32) 1,1,1-Trichloroethane	5.385	97	40899	18.787	ug/l	99
33) Carbon Tetrachloride	5.678	117	37263	19.124	ug/l	96
34) Benzene	6.037	78	111728	19.914	ug/l	97
35) Methacrylonitrile	4.916	41	21580	18.973	ug/l	93
36) 1,2-Dichloroethane	6.086	62	38470	19.493	ug/l	100
37) Trichloroethene	7.123	130	32181	20.310	ug/l	96
38) Methylcyclohexane	7.379	83	42722	18.783	ug/l	98
39) 1,2-Dichloropropane	7.427	63	27782	20.227	ug/l	95
40) Dibromomethane	7.580	93	20097	20.585	ug/l	95
41) Bromodichloromethane	7.824	83	37392	20.074	ug/l	98
42) Vinyl Acetate	3.721	43	328694	93.663	ug/l	99

01/26/2023
 Supervised By :Semsettin
 Cesilyurt

01/26/2023

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
43) Ethyl Acetate	4.708	43	37375	18.306	ug/l	99	01/26/2023
44) Isopropyl Acetate	6.336	43	57160	18.412	ug/l	99	Supervised By :Semsettin
45) 1,4-Dioxane	7.671	88	13285	414.057	ug/l #	90	Yesilyurt
46) Methyl methacrylate	7.690	41	30345	19.250	ug/l	96	
47) n-amyl Acetate	10.841	43	47430	18.111	ug/l	98	
48) t-1,3-Dichloropropene	8.976	75	35417	18.048	ug/l	94	
49) cis-1,3-Dichloropropene	8.366	75	40383	18.231	ug/l	93	01/26/2023
50) 1,1,2-Trichloroethane	9.153	97	29619	20.452	ug/l	97	
51) Ethyl methacrylate	9.116	69	40732	18.983	ug/l	92	
52) 1,3-Dichloropropane	9.305	76	48452	19.851	ug/l	100	
53) Dibromochloromethane	9.519	129	30759	19.446	ug/l	100	
54) 1,2-Dibromoethane	9.610	107	30800	19.687	ug/l	99	
55) 2-Chloroethyl vinyl ether	8.238	63	92117	91.441	ug/l	98	
56) Bromoform	10.799	173	24719	20.136	ug/l	97	
58) 4-Methyl-2-Pentanone	8.574	43	193875	100.207	ug/l	96	
59) 2-Hexanone	9.427	43	141757	97.514	ug/l	95	
61) Tetrachloroethene	9.275	164	30194	21.303	ug/l	97	
62) Toluene	8.720	91	123089	20.444	ug/l	99	
64) Chlorobenzene	10.079	112	79128	19.714	ug/l	99	
65) 1,1,1,2-Tetrachloroethane	10.159	131	29887	19.996	ug/l	98	
66) Ethyl Benzene	10.195	91	135096	19.606	ug/l	99	
67) m/p-Xylenes	10.299	106	108869	40.009	ug/l	95	
68) o-Xylene	10.640	106	53697	19.900	ug/l	100	
69) Styrene	10.653	104	88483	19.935	ug/l	99	
70) Isopropylbenzene	10.963	105	138614	19.942	ug/l	99	
71) 1,1,2,2-Tetrachloroethane	11.213	83	43667	20.953	ug/l	97	
72) 1,2,3-Trichloropropane	11.238	75	37857m	19.936	ug/l		
73) Bromobenzene	11.195	156	37429	19.884	ug/l	99	
74) n-propylbenzene	11.305	91	154043	19.510	ug/l	98	
75) 2-Chlorotoluene	11.366	91	93860	19.984	ug/l	99	
76) 1,3,5-Trimethylbenzene	11.451	105	115281	19.999	ug/l	99	
77) t-1,4-Dichloro-2-butene	11.018	75	10281	17.621	ug/l	99	
78) 4-Chlorotoluene	11.457	91	104271	19.733	ug/l	99	
79) tert-butylbenzene	11.713	119	117713	19.952	ug/l	99	
80) 1,2,4-Trimethylbenzene	11.750	105	113207	19.809	ug/l	99	
81) sec-Butylbenzene	11.890	105	142298	19.821	ug/l	100	
82) p-Isopropyltoluene	12.012	119	121954	19.610	ug/l	99	
83) 1,3-Dichlorobenzene	11.969	146	67791	19.933	ug/l	99	
84) 1,4-Dichlorobenzene	12.043	146	67521	19.808	ug/l	99	
85) n-Butylbenzene	12.335	91	94063	18.597	ug/l	100	
86) Hexachloroethane	12.536	117	18585	18.906	ug/l	99	
87) 1,2-Dichlorobenzene	12.335	146	66822	20.384	ug/l	99	
88) 1,2-Dibromo-3-Chloropr...	12.945	75	8048	18.869	ug/l	96	
89) 1,2,4-Trichlorobenzene	13.585	180	44508	19.512	ug/l	100	
90) Hexachlorobutadiene	13.725	225	20309	18.988	ug/l	98	
91) Naphthalene	13.774	128	131239	19.628	ug/l	99	
92) 1,2,3-Trichlorobenzene	13.963	180	44917	20.077	ug/l	98	

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

