

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032823\
 Data File : VX034764.D
 Acq On : 27 Mar 2023 22:11
 Operator : JC/MD
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC005

Quant Time: Mar 28 05:46:17 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X032823W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Mar 28 05:37:20 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

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

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

Internal Standards						
1) Bromochloromethane	4.904	128	27842	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	198595	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	208453	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	79654	35.531	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 118.433%#			
60) 4-Bromofluorobenzene	11.079	95	117486	31.257	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 104.200%			
63) Toluene-d8	8.647	98	217192	32.419	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 108.067%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	12690	5.063	ug/l	89
3) Chloromethane	1.294	50	17930	6.034	ug/l	99
4) Vinyl Chloride	1.374	62	17623	6.115	ug/l	100
5) Bromomethane	1.618	94	12358	6.523	ug/l	95
6) Chloroethane	1.691	64	12104	7.563	ug/l	100
7) Trichlorofluoromethane	1.886	101	29117	6.765	ug/l	97
8) Diethyl Ether	2.130	74	10541	6.466	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.331	101	14498	5.808	ug/l	91
10) 1,1-Dichloroethene	2.319	96	14701	5.927	ug/l	88
11) Methyl Iodide	2.453	142	15794	4.347	ug/l	96
12) Methyl Acetate	2.703	43	31970	6.928	ug/l	92
13) Acrolein	2.239	56	18046	33.581	ug/l	99
14) Acrylonitrile	3.062	53	43235	29.964	ug/l	97
15) Acetone	2.386	58	12079	28.447	ug/l	99
16) Carbon Disulfide	2.514	76	33175	5.410	ug/l	100
17) Allyl chloride	2.666	41	26397	5.814	ug/l	92
18) Methylene Chloride	2.788	84	17864	6.277	ug/l #	82
19) trans-1,2-Dichloroethene	3.093	96	15775	5.900	ug/l	91
20) Diisopropyl ether	3.757	45	56535	6.227	ug/l	90
21) 1,1-Dichloroethane	3.611	63	29741	6.036	ug/l	93
22) cis-1,2-Dichloroethene	4.489	96	17744	5.629	ug/l	90
23) tert-Butyl Alcohol	2.989	59	19542m	37.482	ug/l	
24) Methyl tert-Butyl Ether	3.111	73	53343	6.270	ug/l	97
25) Chloroform	5.086	83	30473	6.166	ug/l	96
26) Cyclohexane	5.471	56	26773	6.107	ug/l #	98
29) 1,1-Dichloropropene	5.696	75	22501	5.787	ug/l	96
30) 2-Butanone	4.562	43	63021	28.825	ug/l	99
31) 2,2-Dichloropropane	4.477	77	21879	5.800	ug/l #	72
32) 1,1,1-Trichloroethane	5.385	97	25172	5.581	ug/l	99
33) Carbon Tetrachloride	5.678	117	19157	4.865	ug/l	98
34) Benzene	6.038	78	67146	5.796	ug/l	98
35) Methacrylonitrile	4.922	41	13429	5.658	ug/l	91
36) 1,2-Dichloroethane	6.092	62	25201	6.017	ug/l	97
37) Trichloroethene	7.129	130	16387	5.158	ug/l	93
38) Methylcyclohexane	7.379	83	24612	5.362	ug/l	97
39) 1,2-Dichloropropane	7.434	63	16921	5.837	ug/l	93
40) Dibromomethane	7.580	93	11056	5.401	ug/l	90
41) Bromodichloromethane	7.824	83	18830	4.884	ug/l	99
42) Vinyl Acetate	3.721	43	193707	26.483	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.721	43	22548	5.244	ug/l	98
44) Isopropyl Acetate	6.342	43	38285	5.749	ug/l	99
45) 1,4-Dioxane	7.708	88	8048	117.413	ug/l #	88
46) Methyl methacrylate	7.696	41	18552	5.579	ug/l	99
47) n-amyl Acetate	10.848	43	30288	5.338	ug/l	100
48) t-1,3-Dichloropropene	8.976	75	18304	4.437	ug/l	95
49) cis-1,3-Dichloropropene	8.366	75	22954	4.976	ug/l	97
50) 1,1,2-Trichloroethane	9.153	97	16155	5.371	ug/l	97
51) Ethyl methacrylate	9.116	69	23988	5.267	ug/l	99
52) 1,3-Dichloropropane	9.311	76	28868	5.616	ug/l	98
53) Dibromochloromethane	9.519	129	12178	3.799	ug/l	92
54) 1,2-Dibromoethane	9.610	107	16511	5.092	ug/l	99
55) 2-Chloroethyl vinyl ether	8.244	63	66923	30.341	ug/l	98
56) Bromoform	10.799	173	7832	3.274	ug/l	96
58) 4-Methyl-2-Pentanone	8.574	43	123531	31.502	ug/l	99
59) 2-Hexanone	9.433	43	89941	30.566	ug/l	99
61) Tetrachloroethene	9.275	164	15683	5.730	ug/l	95
62) Toluene	8.720	91	71460	6.053	ug/l	97
64) Chlorobenzene	10.079	112	43099	5.550	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.165	131	13131	4.592	ug/l	94
66) Ethyl Benzene	10.195	91	76486	5.698	ug/l	94
67) m/p-Xylenes	10.305	106	58720	11.194	ug/l	98
68) o-Xylene	10.640	106	28182	5.388	ug/l	91
69) Styrene	10.659	104	44027	5.144	ug/l	94
70) Isopropylbenzene	10.963	105	73115	5.465	ug/l	97
71) 1,1,2,2-Tetrachloroethane	11.213	83	23351	5.610	ug/l	99
72) 1,2,3-Trichloropropane	11.238	75	21212m	5.610	ug/l	
73) Bromobenzene	11.195	156	17470	4.924	ug/l	85
74) n-propylbenzene	11.305	91	82814	5.430	ug/l	96
75) 2-Chlorotoluene	11.366	91	53979	5.888	ug/l	93
76) 1,3,5-Trimethylbenzene	11.451	105	60217	5.434	ug/l	94
77) t-1,4-Dichloro-2-butene	11.018	75	4448	3.907	ug/l	78
78) 4-Chlorotoluene	11.457	91	59969	5.805	ug/l	94
79) tert-butylbenzene	11.713	119	57627	5.149	ug/l	91
80) 1,2,4-Trimethylbenzene	11.750	105	59815	5.435	ug/l	97
81) sec-Butylbenzene	11.890	105	69530	5.114	ug/l	95
82) p-Isopropyltoluene	12.012	119	56533	4.841	ug/l	96
83) 1,3-Dichlorobenzene	11.969	146	32475	5.022	ug/l	95
84) 1,4-Dichlorobenzene	12.043	146	32009	4.939	ug/l	96
85) n-Butylbenzene	12.335	91	46993	4.891	ug/l	95
86) Hexachloroethane	12.536	117	7321	3.973	ug/l	77
87) 1,2-Dichlorobenzene	12.335	146	32561	5.209	ug/l	97
88) 1,2-Dibromo-3-Chloropr...	12.945	75	4090	4.851	ug/l #	73
89) 1,2,4-Trichlorobenzene	13.591	180	18621	4.408	ug/l	97
90) Hexachlorobutadiene	13.725	225	7214	3.748	ug/l	94
91) Naphthalene	13.774	128	65611	5.076	ug/l	98
92) 1,2,3-Trichlorobenzene	13.963	180	18486	4.437	ug/l	98

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

