

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022521\
 Data File : VX020903.D
 Acq On : 25 Feb 2021 09:24
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 2/26/2021 2:30:21 PM

Quant Time: Feb 25 10:24:32 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X022521W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Feb 25 10:23:53 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	4.976	128	43565	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.829	114	244974	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.094	117	216587	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	6.023	65	92409	30.42	ug/l	0.00
Spiked Amount 30.000	Range	91 - 110	Recovery	=	101.40%	
60) 4-Bromofluorobenzene	11.118	95	104386	28.64	ug/l	0.00
Spiked Amount 30.000	Range	63 - 112	Recovery	=	95.47%	
63) Toluene-d8	8.694	98	297745	31.30	ug/l	0.00
Spiked Amount 30.000	Range	91 - 112	Recovery	=	104.33%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.187	85	12612	5.47	ug/l	97
3) Chloromethane	1.311	50	13366	5.41	ug/l	100
4) Vinyl Chloride	1.393	62	15260	5.33	ug/l	100
5) Bromomethane	1.623	94	8571	7.63	ug/l	88
6) Chloroethane	1.705	64	9792	5.42	ug/l	96
7) Trichlorofluoromethane	1.917	101	19353	4.88	ug/l	99
8) Diethyl Ether	2.170	74	8847	5.32	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.364	101	12409	5.38	ug/l	96
10) 1,1-Dichloroethene	2.352	96	12382	5.25	ug/l	96
11) Methyl Iodide	2.493	142	13027	4.21	ug/l	93
12) Methyl Acetate	2.746	43	12910	4.34	ug/l	96
13) Acrolein	2.276	56	6971	16.51	ug/l	98
14) Acrylonitrile	3.111	53	33024	22.69	ug/l	99
15) Acetone	2.417	58	11270	25.50	ug/l	100
16) Carbon Disulfide	2.546	76	35834	5.50	ug/l	99
17) Allyl chloride	2.705	41	19514	5.06	ug/l	99
18) Methylene Chloride	2.829	84	14559	5.08	ug/l	98
19) trans-1,2-Dichloroethene	3.141	96	13955	5.13	ug/l	94
20) Diisopropyl ether	3.823	45	39988	5.03	ug/l	97
21) 1,1-Dichloroethane	3.664	63	23381	4.93	ug/l	98
22) cis-1,2-Dichloroethene	4.564	96	15818	5.05	ug/l	99
23) tert-Butyl Alcohol	3.011	59	15277	22.05	ug/l #	100
24) Methyl tert-Butyl Ether	3.164	73	42810	5.03	ug/l	100
25) Chloroform	5.170	83	24374	4.98	ug/l	100
26) Cyclohexane	5.541	56	21886	5.29	ug/l #	99
29) 1,1-Dichloropropene	5.764	75	18595	4.99	ug/l	100
30) 2-Butanone	4.629	43	46409	23.62	ug/l	98
31) 2,2-Dichloropropane	4.547	77	21850	5.17	ug/l	100
32) 1,1,1-Trichloroethane	5.458	97	20814	4.84	ug/l	99
33) Carbon Tetrachloride	5.747	117	18089	4.90	ug/l	97
34) Benzene	6.111	78	55392	4.87	ug/l	99
35) Methacrylonitrile	4.994	41	9521	4.70	ug/l	94
36) 1,2-Dichloroethane	6.153	62	18765	4.83	ug/l	97
37) Trichloroethene	7.182	130	14718	4.89	ug/l	93
38) Methylcyclohexane	7.435	83	23205	5.15	ug/l	99
39) 1,2-Dichloropropane	7.482	63	13778	4.82	ug/l	100
40) Dibromomethane	7.635	93	9334	4.77	ug/l	98
41) Bromodichloromethane	7.871	83	19638	5.01	ug/l	97
42) Vinyl Acetate	3.782	43	166323	24.12	ug/l	99

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43) Ethyl Acetate	4.788	43	16851	4.54	ug/l	99
44) Isopropyl Acetate	6.406	43	28792	4.75	ug/l	99
45) 1,4-Dioxane	7.712	88	6440	87.51	ug/l #	93
46) Methyl methacrylate	7.741	41	13766	4.58	ug/l	98
47) n-amyl Acetate	10.877	43	22418	4.29	ug/l	98
48) t-1,3-Dichloropropene	9.018	75	21316	4.86	ug/l	97
49) cis-1,3-Dichloropropene	8.412	75	23456	4.91	ug/l	99
50) 1,1,2-Trichloroethane	9.194	97	13942	4.77	ug/l	99
51) Ethyl methacrylate	9.153	69	20822	4.62	ug/l	96
52) 1,3-Dichloropropane	9.347	76	23490	4.80	ug/l	99
53) Dibromochloromethane	9.565	129	14233	4.60	ug/l	97
54) 1,2-Dibromoethane	9.653	107	14329	4.67	ug/l	97
55) 2-Chloroethyl vinyl ether	8.288	63	34887	15.16	ug/l	97
56) Bromoform	10.842	173	9782	4.32	ug/l	99
58) 4-Methyl-2-Pentanone	8.618	43	81810	22.72	ug/l	99
59) 2-Hexanone	9.471	43	63166	22.45	ug/l	100
61) Tetrachloroethene	9.312	164	13191	5.23	ug/l	93
62) Toluene	8.765	91	59596	5.06	ug/l	99
64) Chlorobenzene	10.118	112	36600	4.96	ug/l	96
65) 1,1,1,2-Tetrachloroethane	10.200	131	13225	4.83	ug/l	98
66) Ethyl Benzene	10.236	91	65890	4.98	ug/l	99
67) m/p-Xylenes	10.341	106	48545	9.78	ug/l	98
68) o-Xylene	10.677	106	22730	4.69	ug/l	96
69) Styrene	10.694	104	39177	4.75	ug/l	99
70) Isopropylbenzene	11.000	105	63080	4.89	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.253	83	18719	4.26	ug/l	98
72) 1,2,3-Trichloropropane	11.277	75	16327m	4.04	ug/l	
73) Bromobenzene	11.236	156	14129	4.35	ug/l	94
74) n-propylbenzene	11.342	91	70079	4.69	ug/l	97
75) 2-Chlorotoluene	11.400	91	42110	4.65	ug/l	98
76) 1,3,5-Trimethylbenzene	11.489	105	49655	4.56	ug/l	97
77) t-1,4-Dichloro-2-butene	11.059	75	6797	4.49	ug/l	89
78) 4-Chlorotoluene	11.495	91	47622	4.56	ug/l	99
79) tert-butylbenzene	11.753	119	48040	4.46	ug/l	100
80) 1,2,4-Trimethylbenzene	11.789	105	51151	4.64	ug/l	99
81) sec-Butylbenzene	11.930	105	57671	4.65	ug/l	100
82) p-Isopropyltoluene	12.048	119	51207	4.51	ug/l	99
83) 1,3-Dichlorobenzene	12.006	146	24831	4.21	ug/l	97
84) 1,4-Dichlorobenzene	12.083	146	24336	4.13	ug/l	97
85) n-Butylbenzene	12.371	91	45537	4.54	ug/l	98
86) Hexachloroethane	12.577	117	9335	4.61	ug/l	94
87) 1,2-Dichlorobenzene	12.371	146	23261	4.06	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	12.983	75	4102	4.24	ug/l	93
89) 1,2,4-Trichlorobenzene	13.630	180	14744	3.89	ug/l	93
90) Hexachlorobutadiene	13.765	225	6362	3.87	ug/l	96
91) Naphthalene	13.818	128	49646	3.94	ug/l	100
92) 1,2,3-Trichlorobenzene	14.001	180	14865	3.99	ug/l	97

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

