

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011022\
 Data File : VX026400.D
 Acq On : 10 Jan 2022 14:09
 Operator : JC/MD
 Sample : VX0110WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0110WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/11/2022
 Supervised By : Mahesh Dadoda 01/11/2022

Quant Time: Jan 10 16:08:38 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X011022W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Jan 10 12:50:55 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	4.903	128	21106	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	118739	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	101056	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	51471	30.328	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	101.100%
60) 4-Bromofluorobenzene	11.079	95	50489	29.937	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	99.800%
63) Toluene-d8	8.653	98	139963	30.149	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	100.500%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.172	85	29492	23.200	ug/l	97
3) Chloromethane	1.294	50	25172	22.665	ug/l	96
4) Vinyl Chloride	1.380	62	27381	22.301	ug/l	95
5) Bromomethane	1.617	94	13400	24.241	ug/l	95
6) Chloroethane	1.691	64	15579	22.361	ug/l	98
7) Trichlorofluoromethane	1.892	101	42875	22.034	ug/l	100
8) Diethyl Ether	2.136	74	15269	21.992	ug/l	93
9) 1,1,2-Trichlorotrifluo...	2.331	101	27452	22.603	ug/l	100
10) 1,1-Dichloroethene	2.325	96	25005	22.040	ug/l	97
11) Methyl Iodide	2.459	142	24449	19.842	ug/l	98
12) Methyl Acetate	2.703	43	51432	21.639	ug/l	98
13) Acrolein	2.239	56	26664	108.248	ug/l	98
14) Acrylonitrile	3.068	53	73040	110.171	ug/l	100
15) Acetone	2.386	58	22606	108.552	ug/l	93
16) Carbon Disulfide	2.514	76	69237	21.610	ug/l	99
17) Allyl chloride	2.666	41	46283	21.197	ug/l	99
18) Methylene Chloride	2.794	84	27559	22.054	ug/l	97
19) trans-1,2-Dichloroethene	3.099	96	26473	21.707	ug/l	99
20) Diisopropyl ether	3.757	45	94661	22.307	ug/l #	85
21) 1,1-Dichloroethane	3.617	63	50574	21.646	ug/l	98
22) cis-1,2-Dichloroethene	4.495	96	30977	21.711	ug/l	98
23) tert-Butyl Alcohol	2.989	59	26227	109.065	ug/l #	100
24) Methyl tert-Butyl Ether	3.111	73	91583	21.706	ug/l	99
25) Chloroform	5.099	83	52909	21.855	ug/l	98
26) Cyclohexane	5.470	56	47174	22.074	ug/l #	100
29) 1,1-Dichloropropene	5.696	75	39490	21.533	ug/l	99
30) 2-Butanone	4.562	43	112840	105.950	ug/l	100
31) 2,2-Dichloropropane	4.483	77	39179	20.626	ug/l	100
32) 1,1,1-Trichloroethane	5.385	97	48200	21.589	ug/l	99
33) Carbon Tetrachloride	5.684	117	41505	20.984	ug/l	97
34) Benzene	6.043	78	110406	21.712	ug/l	99
35) Methacrylonitrile	4.922	41	24101	21.598	ug/l	98
36) 1,2-Dichloroethane	6.092	62	44178	21.511	ug/l	100
37) Trichloroethene	7.129	130	31635	21.541	ug/l	99
38) Methylcyclohexane	7.385	83	48951	22.273	ug/l	99
39) 1,2-Dichloropropane	7.433	63	28254	21.729	ug/l	96
40) Dibromomethane	7.580	93	19794	21.669	ug/l	100
41) Bromodichloromethane	7.824	83	40029	21.233	ug/l	100
42) Vinyl Acetate	3.721	43	358204	108.556	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.714	43	41900	21.638	ug/l	99
44) Isopropyl Acetate	6.336	43	69292	21.680	ug/l	100
45) 1,4-Dioxane	7.683	88	11448	462.133	ug/l	98
46) Methyl methacrylate	7.690	41	34186	21.806	ug/l	97
47) n-amyl Acetate	10.841	43	52295	21.869	ug/l	99
48) t-1,3-Dichloropropene	8.982	75	38628	20.521	ug/l	96
49) cis-1,3-Dichloropropene	8.366	75	43895	21.088	ug/l	98
50) 1,1,2-Trichloroethane	9.153	97	27766	22.107	ug/l	97
51) Ethyl methacrylate	9.116	69	44228	22.086	ug/l	100
52) 1,3-Dichloropropane	9.311	76	48399	22.236	ug/l	98
53) Dibromochloromethane	9.518	129	28916	21.183	ug/l	99
54) 1,2-Dibromoethane	9.610	107	28622	21.488	ug/l	99
55) 2-Chloroethyl vinyl ether	8.244	63	115821	108.121	ug/l	100
56) Bromoform	10.799	173	18309	20.204	ug/l	98
58) 4-Methyl-2-Pentanone	8.573	43	211392	112.147	ug/l	100
59) 2-Hexanone	9.433	43	161258	110.485	ug/l	100
61) Tetrachloroethene	9.275	164	32693	21.950	ug/l	97
62) Toluene	8.720	91	118621	21.987	ug/l	99
64) Chlorobenzene	10.079	112	70758	21.603	ug/l	98
65) 1,1,1,2-Tetrachloroethane	10.165	131	26821	21.504	ug/l	98
66) Ethyl Benzene	10.195	91	133545	22.123	ug/l	99
67) m/p-Xylenes	10.305	106	98274	43.818	ug/l	99
68) o-Xylene	10.640	106	48180	22.149	ug/l	98
69) Styrene	10.659	104	78004	21.575	ug/l	100
70) Isopropylbenzene	10.963	105	129814	22.244	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.213	83	34466	21.671	ug/l	100
72) 1,2,3-Trichloropropane	11.238	75	35326m	21.902	ug/l	
73) Bromobenzene	11.201	156	28408	21.265	ug/l	97
74) n-propylbenzene	11.305	91	149201	22.133	ug/l	100
75) 2-Chlorotoluene	11.366	91	88741	21.914	ug/l	100
76) 1,3,5-Trimethylbenzene	11.451	105	108207	22.197	ug/l	100
77) t-1,4-Dichloro-2-butene	11.018	75	9270	19.110	ug/l	94
78) 4-Chlorotoluene	11.457	91	102031	22.100	ug/l	100
79) tert-butylbenzene	11.713	119	99233	21.992	ug/l	100
80) 1,2,4-Trimethylbenzene	11.750	105	106840	22.188	ug/l	100
81) sec-Butylbenzene	11.890	105	129573	21.922	ug/l	99
82) p-Isopropyltoluene	12.012	119	109052	21.840	ug/l	99
83) 1,3-Dichlorobenzene	11.969	146	52871	21.266	ug/l	100
84) 1,4-Dichlorobenzene	12.042	146	53329	21.406	ug/l	100
85) n-Butylbenzene	12.335	91	93838	21.714	ug/l	99
86) Hexachloroethane	12.542	117	15284	20.275	ug/l	100
87) 1,2-Dichlorobenzene	12.335	146	52689	22.056	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	12.945	75	8757	21.580	ug/l	95
89) 1,2,4-Trichlorobenzene	13.591	180	32529	20.800	ug/l	99
90) Hexachlorobutadiene	13.725	225	14408	21.108	ug/l	98
91) Naphthalene	13.774	128	112706	20.848	ug/l	99
92) 1,2,3-Trichlorobenzene	13.963	180	32540	20.919	ug/l	100

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

