

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021822\
 Data File : VX027104.D
 Acq On : 18 Feb 2022 12:53
 Operator : JC/MD
 Sample : VX0218WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0218WBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 02/21/2022
 Supervised By :Semsettin Yesilyurt 02/22/2022

Quant Time: Feb 21 00:19:27 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X021822W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Feb 18 05:14:00 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	4.903	128	14775	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	81748	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	70027	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	31690	29.663	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	98.867%
60) 4-Bromofluorobenzene	11.079	95	34083	29.931	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	99.767%
63) Toluene-d8	8.653	98	95466	30.407	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	101.367%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.172	85	17954	21.164	ug/l	98
3) Chloromethane	1.294	50	15834	19.651	ug/l	99
4) Vinyl Chloride	1.380	62	16524	20.555	ug/l	99
5) Bromomethane	1.611	94	9582	24.401	ug/l	98
6) Chloroethane	1.691	64	9917	20.677	ug/l	97
7) Trichlorofluoromethane	1.892	101	26988	21.538	ug/l	98
8) Diethyl Ether	2.136	74	9109	20.217	ug/l	93
9) 1,1,2-Trichlorotrifluo...	2.331	101	19253	22.067	ug/l	99
10) 1,1-Dichloroethene	2.325	96	17949	20.946	ug/l	96
11) Methyl Iodide	2.453	142	20534	18.131	ug/l	96
12) Methyl Acetate	2.703	43	25061	19.829	ug/l	99
13) Acrolein	2.239	56	19000	92.229	ug/l	98
14) Acrylonitrile	3.062	53	54644	98.707	ug/l	100
15) Acetone	2.380	58	16718	112.553	ug/l	97
16) Carbon Disulfide	2.514	76	46856	20.866	ug/l	99
17) Allyl chloride	2.666	41	31769	20.649	ug/l	95
18) Methylene Chloride	2.794	84	19711	20.401	ug/l	94
19) trans-1,2-Dichloroethene	3.099	96	19688	21.073	ug/l	91
20) Diisopropyl ether	3.763	45	63933	21.012	ug/l	94
21) 1,1-Dichloroethane	3.617	63	35126	20.738	ug/l	98
22) cis-1,2-Dichloroethene	4.495	96	22548	20.984	ug/l	98
23) tert-Butyl Alcohol	2.965	59	18607	85.867	ug/l #	100
24) Methyl tert-Butyl Ether	3.117	73	61978	20.594	ug/l	99
25) Chloroform	5.099	83	35720	20.571	ug/l	91
26) Cyclohexane	5.470	56	33607	21.397	ug/l #	99
29) 1,1-Dichloropropene	5.696	75	27065	20.837	ug/l	99
30) 2-Butanone	4.556	43	80873	103.690	ug/l	98
31) 2,2-Dichloropropane	4.483	77	25300	22.116	ug/l	100
32) 1,1,1-Trichloroethane	5.391	97	31425	20.412	ug/l	100
33) Carbon Tetrachloride	5.678	117	28101	20.838	ug/l	98
34) Benzene	6.043	78	78342	20.531	ug/l	97
35) Methacrylonitrile	4.922	41	16488	20.433	ug/l	96
36) 1,2-Dichloroethane	6.092	62	28633	20.858	ug/l	99
37) Trichloroethene	7.129	130	23437	20.899	ug/l	97
38) Methylcyclohexane	7.385	83	34869	21.790	ug/l	99
39) 1,2-Dichloropropane	7.433	63	19993	20.794	ug/l	96
40) Dibromomethane	7.580	93	13829	20.077	ug/l	99
41) Bromodichloromethane	7.824	83	26580	20.439	ug/l	96
42) Vinyl Acetate	3.727	43	267937	101.180	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.714	43	29827	19.996	ug/l	99
44) Isopropyl Acetate	6.342	43	45549	19.747	ug/l	99
45) 1,4-Dioxane	7.665	88	8552	362.884	ug/l	99
46) Methyl methacrylate	7.696	41	22213	19.651	ug/l	98
47) n-amyl Acetate	10.841	43	33763	18.442	ug/l	98
48) t-1,3-Dichloropropene	8.982	75	25554	19.759	ug/l	98
49) cis-1,3-Dichloropropene	8.366	75	29625	20.222	ug/l	100
50) 1,1,2-Trichloroethane	9.153	97	19516	20.564	ug/l	97
51) Ethyl methacrylate	9.116	69	29912	19.809	ug/l	98
52) 1,3-Dichloropropane	9.311	76	33250	20.471	ug/l	98
53) Dibromochloromethane	9.525	129	19924	20.259	ug/l	99
54) 1,2-Dibromoethane	9.610	107	20292	20.059	ug/l	99
55) 2-Chloroethyl vinyl ether	8.244	63	66633	90.414	ug/l	100
56) Bromoform	10.805	173	13173	19.247	ug/l	99
58) 4-Methyl-2-Pentanone	8.574	43	146280	101.557	ug/l	100
59) 2-Hexanone	9.433	43	110012	100.548	ug/l	98
61) Tetrachloroethene	9.275	164	24251	21.456	ug/l	96
62) Toluene	8.720	91	82369	20.772	ug/l	100
64) Chlorobenzene	10.079	112	50847	20.713	ug/l	100
65) 1,1,1,2-Tetrachloroethane	10.165	131	19131	21.056	ug/l	99
66) Ethyl Benzene	10.195	91	90347	20.689	ug/l	100
67) m/p-Xylenes	10.305	106	70711	41.917	ug/l	99
68) o-Xylene	10.646	106	35313	21.322	ug/l	98
69) Styrene	10.659	104	56372	20.548	ug/l	99
70) Isopropylbenzene	10.963	105	90354	21.033	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.213	83	25299	20.003	ug/l	100
72) 1,2,3-Trichloropropane	11.238	75	25114m	19.905	ug/l	
73) Bromobenzene	11.201	156	20908	19.863	ug/l	98
74) n-propylbenzene	11.305	91	103826	21.152	ug/l	100
75) 2-Chlorotoluene	11.366	91	61718	20.318	ug/l	98
76) 1,3,5-Trimethylbenzene	11.451	105	76365	21.245	ug/l	99
77) t-1,4-Dichloro-2-butene	11.018	75	6890	18.824	ug/l	91
78) 4-Chlorotoluene	11.457	91	69501	20.474	ug/l	99
79) tert-butylbenzene	11.713	119	71329	20.781	ug/l	98
80) 1,2,4-Trimethylbenzene	11.756	105	74108	20.650	ug/l	97
81) sec-Butylbenzene	11.890	105	91489	20.816	ug/l	99
82) p-Isopropyltoluene	12.012	119	78191	21.168	ug/l	99
83) 1,3-Dichlorobenzene	11.969	146	39636	20.271	ug/l	99
84) 1,4-Dichlorobenzene	12.042	146	40059	20.407	ug/l	99
85) n-Butylbenzene	12.335	91	64457	21.019	ug/l	99
86) Hexachloroethane	12.542	117	11526	19.660	ug/l	99
87) 1,2-Dichlorobenzene	12.335	146	38872	20.472	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	12.945	75	5923	19.146	ug/l	99
89) 1,2,4-Trichlorobenzene	13.591	180	24768	20.729	ug/l	98
90) Hexachlorobutadiene	13.725	225	10330	20.646	ug/l	99
91) Naphthalene	13.780	128	85295	20.305	ug/l	99
92) 1,2,3-Trichlorobenzene	13.963	180	24819	20.530	ug/l	99

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

