

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021822\
 Data File : VX027105.D
 Acq On : 18 Feb 2022 13:20
 Operator : JC/MD
 Sample : VX0218WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0218WBSD01

Manual Integrations
 APPROVED

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

Quant Time: Feb 21 00:20:06 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	4.910	128	13363	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	73468	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	66136	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	28575	29.574	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	98.567%		
60) 4-Bromofluorobenzene	11.079	95	31826	29.593	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	98.633%		
63) Toluene-d8	8.653	98	86115	29.042	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	96.800%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.173	85	16434	21.419	ug/l	95
3) Chloromethane	1.295	50	14454	19.834	ug/l	100
4) Vinyl Chloride	1.380	62	14657	20.159	ug/l	100
5) Bromomethane	1.612	94	9358	26.348	ug/l	99
6) Chloroethane	1.691	64	9159	21.114	ug/l	94
7) Trichlorofluoromethane	1.892	101	23506	20.741	ug/l	94
8) Diethyl Ether	2.136	74	8419	20.660	ug/l	92
9) 1,1,2-Trichlorotrifluo...	2.331	101	16773	21.256	ug/l	99
10) 1,1-Dichloroethene	2.325	96	15829	20.424	ug/l	98
11) Methyl Iodide	2.459	142	19792	19.322	ug/l	97
12) Methyl Acetate	2.703	43	23497	20.556	ug/l	100
13) Acrolein	2.240	56	17268	92.678	ug/l	100
14) Acrylonitrile	3.063	53	52443	104.741	ug/l	99
15) Acetone	2.380	58	14523	108.107	ug/l	92
16) Carbon Disulfide	2.514	76	41542	20.455	ug/l	99
17) Allyl chloride	2.666	41	28262	20.311	ug/l	95
18) Methylene Chloride	2.794	84	18018	20.619	ug/l	94
19) trans-1,2-Dichloroethene	3.099	96	17082	20.216	ug/l	95
20) Diisopropyl ether	3.764	45	56895	20.675	ug/l	93
21) 1,1-Dichloroethane	3.617	63	31160	20.340	ug/l	98
22) cis-1,2-Dichloroethene	4.495	96	20216	20.802	ug/l	98
23) tert-Butyl Alcohol	2.965	59	18694	95.384	ug/l #	100
24) Methyl tert-Butyl Ether	3.117	73	55261	20.302	ug/l	100
25) Chloroform	5.099	83	32313	20.575	ug/l	96
26) Cyclohexane	5.477	56	29166	20.532	ug/l #	98
29) 1,1-Dichloropropene	5.696	75	23817	20.403	ug/l	100
30) 2-Butanone	4.556	43	73806	105.294	ug/l	99
31) 2,2-Dichloropropane	4.483	77	22514	21.898	ug/l	98
32) 1,1,1-Trichloroethane	5.391	97	27726	20.039	ug/l	99
33) Carbon Tetrachloride	5.684	117	24841	20.497	ug/l	96
34) Benzene	6.044	78	71197	20.761	ug/l	100
35) Methacrylonitrile	4.922	41	15211	20.975	ug/l	95
36) 1,2-Dichloroethane	6.086	62	25772	20.889	ug/l	99
37) Trichloroethene	7.129	130	20753	20.592	ug/l	98
38) Methylcyclohexane	7.385	83	30416	21.149	ug/l	99
39) 1,2-Dichloropropane	7.434	63	17621	20.392	ug/l	100
40) Dibromomethane	7.586	93	12685	20.492	ug/l	99
41) Bromodichloromethane	7.824	83	24092	20.614	ug/l	100
42) Vinyl Acetate	3.727	43	245096	102.986	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.715	43	28293	21.105	ug/l	99
44) Isopropyl Acetate	6.342	43	41763	20.146	ug/l	99
45) 1,4-Dioxane	7.665	88	8828	416.813	ug/l	98
46) Methyl methacrylate	7.696	41	21122	20.792	ug/l	98
47) n-amyl Acetate	10.842	43	32807	19.940	ug/l	100
48) t-1,3-Dichloropropene	8.982	75	23758	20.441	ug/l	97
49) cis-1,3-Dichloropropene	8.366	75	27135	20.610	ug/l	98
50) 1,1,2-Trichloroethane	9.153	97	18374	21.543	ug/l	99
51) Ethyl methacrylate	9.116	69	28185	20.769	ug/l	97
52) 1,3-Dichloropropane	9.311	76	30831	21.121	ug/l	99
53) Dibromochloromethane	9.525	129	18374	20.789	ug/l	99
54) 1,2-Dibromoethane	9.610	107	19324	21.255	ug/l	99
55) 2-Chloroethyl vinyl ether	8.245	63	61784	93.283	ug/l	100
56) Bromoform	10.799	173	12746	20.722	ug/l	99
58) 4-Methyl-2-Pentanone	8.574	43	140569	103.334	ug/l	99
59) 2-Hexanone	9.433	43	105891	102.476	ug/l	99
61) Tetrachloroethene	9.275	164	21691	20.320	ug/l	98
62) Toluene	8.720	91	76484	20.423	ug/l	99
64) Chlorobenzene	10.080	112	47804	20.619	ug/l	100
65) 1,1,1,2-Tetrachloroethane	10.165	131	17937	20.904	ug/l	96
66) Ethyl Benzene	10.195	91	85102	20.634	ug/l	99
67) m/p-Xylenes	10.299	106	66697	41.864	ug/l	99
68) o-Xylene	10.640	106	32741	20.932	ug/l	98
69) Styrene	10.659	104	53748	20.744	ug/l	100
70) Isopropylbenzene	10.964	105	85017	20.955	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.214	83	25376	21.245	ug/l	99
72) 1,2,3-Trichloropropane	11.244	75	25129m	21.089	ug/l	
73) Bromobenzene	11.201	156	20402	20.523	ug/l	97
74) n-propylbenzene	11.305	91	99053	21.367	ug/l	100
75) 2-Chlorotoluene	11.366	91	59221	20.643	ug/l	99
76) 1,3,5-Trimethylbenzene	11.451	105	71497	21.061	ug/l	98
77) t-1,4-Dichloro-2-butene	11.018	75	6691	19.356	ug/l	98
78) 4-Chlorotoluene	11.457	91	67389	21.019	ug/l	100
79) tert-butylbenzene	11.713	119	67967	20.966	ug/l	99
80) 1,2,4-Trimethylbenzene	11.750	105	71268	21.027	ug/l	98
81) sec-Butylbenzene	11.890	105	88479	21.315	ug/l	100
82) p-Isopropyltoluene	12.012	119	74883	21.466	ug/l	100
83) 1,3-Dichlorobenzene	11.969	146	38623	20.915	ug/l	99
84) 1,4-Dichlorobenzene	12.043	146	39026	21.050	ug/l	98
85) n-Butylbenzene	12.335	91	62510	21.583	ug/l	98
86) Hexachloroethane	12.543	117	11205	20.237	ug/l	98
87) 1,2-Dichlorobenzene	12.335	146	38472	21.453	ug/l	100
88) 1,2-Dibromo-3-Chloropr...	12.945	75	5972	20.440	ug/l	99
89) 1,2,4-Trichlorobenzene	13.591	180	24195	21.441	ug/l	99
90) Hexachlorobutadiene	13.725	225	9933	21.021	ug/l	98
91) Naphthalene	13.780	128	84488	21.296	ug/l	100
92) 1,2,3-Trichlorobenzene	13.963	180	24910	21.818	ug/l	100

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

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