

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080921\
 Data File : VX023612.D
 Acq On : 09 Aug 2021 14:30
 Operator : JC/MD
 Sample : VX0809WBSD02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0809WBSD02

Manual Integrations
 APPROVED

MMDadoda
 8/11/2021 5:17:12 PM

Quant Time: Aug 10 03:58:05 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X080321W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Aug 03 12:05:42 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	4.903	128	41597	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.769	114	228732	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	211523	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.964	65	98371	30.579	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 101.933%			
60) 4-Bromofluorobenzene	11.085	95	107141	30.925	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 103.067%			
63) Toluene-d8	8.653	98	287023	30.150	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 100.500%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.172	85	47935	19.510	ug/l	97
3) Chloromethane	1.294	50	52974	19.111	ug/l	99
4) Vinyl Chloride	1.374	62	52655	18.992	ug/l	96
5) Bromomethane	1.605	94	35215	21.646	ug/l	94
6) Chloroethane	1.685	64	32224	18.563	ug/l	97
7) Trichlorofluoromethane	1.886	101	83932	18.745	ug/l	94
8) Diethyl Ether	2.136	74	30925	19.370	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.331	101	48749	19.489	ug/l	99
10) 1,1-Dichloroethene	2.319	96	45183	18.748	ug/l	92
11) Methyl Iodide	2.459	142	63815	18.846	ug/l	98
12) Methyl Acetate	2.709	43	72062	20.049	ug/l	98
13) Acrolein	2.239	56	38959	98.452	ug/l	97
14) Acrylonitrile	3.075	53	158256	99.530	ug/l	98
15) Acetone	2.386	58	42017	87.195	ug/l	94
16) Carbon Disulfide	2.514	76	98714	16.604	ug/l	99
17) Allyl chloride	2.666	41	83841	18.827	ug/l	97
18) Methylene Chloride	2.794	84	55688	19.648	ug/l	96
19) trans-1,2-Dichloroethene	3.093	96	48795	18.918	ug/l	97
20) Diisopropyl ether	3.770	45	178245	20.045	ug/l	99
21) 1,1-Dichloroethane	3.617	63	95262	19.668	ug/l	99
22) cis-1,2-Dichloroethene	4.495	96	58494	19.487	ug/l	98
23) tert-Butyl Alcohol	2.977	59	69909	96.892	ug/l #	100
24) Methyl tert-Butyl Ether	3.123	73	174602	20.654	ug/l	100
25) Chloroform	5.105	83	96904	19.504	ug/l	98
26) Cyclohexane	5.477	56	84452	19.204	ug/l #	99
29) 1,1-Dichloropropene	5.702	75	70337	19.744	ug/l	100
30) 2-Butanone	4.568	43	230256	96.425	ug/l	99
31) 2,2-Dichloropropane	4.483	77	73156	18.165	ug/l	98
32) 1,1,1-Trichloroethane	5.391	97	82631	19.173	ug/l	99
33) Carbon Tetrachloride	5.684	117	70141	18.712	ug/l	99
34) Benzene	6.044	78	209222	19.480	ug/l	97
35) Methacrylonitrile	4.934	41	47709	19.871	ug/l	93
36) 1,2-Dichloroethane	6.092	62	82326	20.059	ug/l	99
37) Trichloroethene	7.129	130	56467	19.351	ug/l	90
38) Methylcyclohexane	7.385	83	88159	19.455	ug/l	99
39) 1,2-Dichloropropane	7.440	63	54352	19.339	ug/l	98
40) Dibromomethane	7.586	93	39104	19.614	ug/l	98
41) Bromodichloromethane	7.830	83	67071	18.536	ug/l	95
42) Vinyl Acetate	3.733	43	785592	100.999	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.727	43	89479	20.200	ug/l	100
44) Isopropyl Acetate	6.348	43	144005	20.420	ug/l	99
45) 1,4-Dioxane	7.665	88	29616	404.718	ug/l	97
46) Methyl methacrylate	7.696	41	67586	19.872	ug/l	99
47) n-amyl Acetate	10.848	43	124218	20.704	ug/l	99
48) t-1,3-Dichloropropene	8.982	75	79474	18.812	ug/l	99
49) cis-1,3-Dichloropropene	8.372	75	84904	18.951	ug/l	97
50) 1,1,2-Trichloroethane	9.153	97	56237	19.530	ug/l	97
51) Ethyl methacrylate	9.122	69	92490	20.372	ug/l	96
52) 1,3-Dichloropropane	9.311	76	95025	20.103	ug/l	98
53) Dibromochloromethane	9.525	129	52197	18.037	ug/l	98
54) 1,2-Dibromoethane	9.616	107	60872	19.977	ug/l	100
55) 2-Chloroethyl vinyl ether	8.244	63	206637	91.135	ug/l	99
56) Bromoform	10.805	173	36952	17.795	ug/l	98
58) 4-Methyl-2-Pentanone	8.580	43	459319	100.725	ug/l	100
59) 2-Hexanone	9.433	43	362205	102.286	ug/l	100
61) Tetrachloroethene	9.275	164	55582	19.557	ug/l	99
62) Toluene	8.720	91	234339	19.638	ug/l	100
64) Chlorobenzene	10.085	112	148908	19.723	ug/l	98
65) 1,1,1,2-Tetrachloroethane	10.165	131	53490	19.136	ug/l	99
66) Ethyl Benzene	10.195	91	266115	20.152	ug/l	100
67) m/p-Xylenes	10.305	106	201787	39.511	ug/l	100
68) o-Xylene	10.646	106	99716	19.805	ug/l	98
69) Styrene	10.659	104	164159	19.784	ug/l	99
70) Isopropylbenzene	10.963	105	263299	19.890	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.213	83	87636	20.694	ug/l	99
72) 1,2,3-Trichloropropane	11.244	75	84745m	21.289	ug/l	
73) Bromobenzene	11.201	156	65143	20.212	ug/l	95
74) n-propylbenzene	11.305	91	305906	19.955	ug/l	100
75) 2-Chlorotoluene	11.366	91	180489	19.725	ug/l	100
76) 1,3,5-Trimethylbenzene	11.457	105	218655	19.916	ug/l	100
77) t-1,4-Dichloro-2-butene	11.024	75	25863	18.201	ug/l	96
78) 4-Chlorotoluene	11.457	91	204862	19.814	ug/l	100
79) tert-butylbenzene	11.719	119	215405	20.198	ug/l	99
80) 1,2,4-Trimethylbenzene	11.756	105	220375	20.255	ug/l	99
81) sec-Butylbenzene	11.896	105	273999	20.059	ug/l	100
82) p-Isopropyltoluene	12.012	119	227567	20.276	ug/l	99
83) 1,3-Dichlorobenzene	11.969	146	116889	20.023	ug/l	100
84) 1,4-Dichlorobenzene	12.042	146	116216	20.141	ug/l	99
85) n-Butylbenzene	12.335	91	200416	20.185	ug/l	100
86) Hexachloroethane	12.542	117	32684	17.917	ug/l	100
87) 1,2-Dichlorobenzene	12.335	146	114826	20.384	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	12.945	75	17370	18.675	ug/l	99
89) 1,2,4-Trichlorobenzene	13.591	180	68212	19.575	ug/l	98
90) Hexachlorobutadiene	13.725	225	29042	18.580	ug/l	100
91) Naphthalene	13.780	128	249087	20.812	ug/l	99
92) 1,2,3-Trichlorobenzene	13.963	180	71030	20.288	ug/l	99

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

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