

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080321\
 Data File : VX023529.D
 Acq On : 03 Aug 2021 16:03
 Operator : JC/MD
 Sample : VX0803WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0803WBSD01

Manual Integrations
 APPROVED

MMDadoda
 8/6/2021 5:39:33 PM

Quant Time: Aug 04 04:56:13 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	4.910	128	37489	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.769	114	204423	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	186368	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.964	65	85822	29.602	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	98.667%		
60) 4-Bromofluorobenzene	11.085	95	90100	29.516	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	98.400%		
63) Toluene-d8	8.653	98	251550	29.991	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	99.967%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.173	85	41447	18.718	ug/l	97
3) Chloromethane	1.301	50	48087	19.249	ug/l	97
4) Vinyl Chloride	1.374	62	45508	18.213	ug/l	99
5) Bromomethane	1.605	94	32236	21.986	ug/l	100
6) Chloroethane	1.685	64	30077	19.225	ug/l	98
7) Trichlorofluoromethane	1.886	101	74745	18.522	ug/l	91
8) Diethyl Ether	2.142	74	27762	19.294	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.331	101	42849	19.008	ug/l	99
10) 1,1-Dichloroethene	2.319	96	40096	18.461	ug/l	93
11) Methyl Iodide	2.453	142	54588	17.888	ug/l	96
12) Methyl Acetate	2.709	43	64574	19.934	ug/l	95
13) Acrolein	2.246	56	33124	92.879	ug/l	99
14) Acrylonitrile	3.069	53	142155	99.200	ug/l	99
15) Acetone	2.386	58	38176	87.905	ug/l	98
16) Carbon Disulfide	2.514	76	94413	17.621	ug/l	99
17) Allyl chloride	2.666	41	73537	18.323	ug/l	98
18) Methylene Chloride	2.794	84	50366	19.717	ug/l	95
19) trans-1,2-Dichloroethene	3.093	96	43570	18.743	ug/l	98
20) Diisopropyl ether	3.770	45	154276	19.250	ug/l	97
21) 1,1-Dichloroethane	3.617	63	82457	18.890	ug/l	100
22) cis-1,2-Dichloroethene	4.495	96	51162	18.912	ug/l	97
23) tert-Butyl Alcohol	2.977	59	64372	98.995	ug/l #	100
24) Methyl tert-Butyl Ether	3.123	73	149326	19.600	ug/l	99
25) Chloroform	5.105	83	84465	18.863	ug/l	98
26) Cyclohexane	5.483	56	75415	19.029	ug/l #	98
29) 1,1-Dichloropropene	5.702	75	61464	19.305	ug/l	99
30) 2-Butanone	4.562	43	208827	97.850	ug/l	100
31) 2,2-Dichloropropane	4.483	77	63655	17.686	ug/l	96
32) 1,1,1-Trichloroethane	5.391	97	71290	18.509	ug/l	99
33) Carbon Tetrachloride	5.684	117	61796	18.446	ug/l	95
34) Benzene	6.044	78	182702	19.033	ug/l	98
35) Methacrylonitrile	4.928	41	42002	19.574	ug/l	97
36) 1,2-Dichloroethane	6.092	62	70873	19.322	ug/l	99
37) Trichloroethene	7.135	130	50770	19.467	ug/l	96
38) Methylcyclohexane	7.385	83	77929	19.242	ug/l	99
39) 1,2-Dichloropropane	7.434	63	47895	19.068	ug/l	100
40) Dibromomethane	7.586	93	34801	19.531	ug/l	97
41) Bromodichloromethane	7.824	83	59373	18.360	ug/l	97
42) Vinyl Acetate	3.733	43	683222	98.283	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.727	43	78427	19.810	ug/l	100
44) Isopropyl Acetate	6.348	43	122466	19.431	ug/l	100
45) 1,4-Dioxane	7.665	88	27111	414.542	ug/l	97
46) Methyl methacrylate	7.696	41	59793	19.672	ug/l	97
47) n-amyl Acetate	10.848	43	103963	19.388	ug/l	99
48) t-1,3-Dichloropropene	8.982	75	68724	18.202	ug/l	98
49) cis-1,3-Dichloropropene	8.372	75	74354	18.569	ug/l	97
50) 1,1,2-Trichloroethane	9.153	97	49959	19.413	ug/l	95
51) Ethyl methacrylate	9.122	69	77829	19.182	ug/l	96
52) 1,3-Dichloropropane	9.311	76	83186	19.691	ug/l	100
53) Dibromochloromethane	9.525	129	46765	18.081	ug/l	100
54) 1,2-Dibromoethane	9.610	107	52366	19.229	ug/l	98
55) 2-Chloroethyl vinyl ether	8.244	63	187535	92.545	ug/l	99
56) Bromoform	10.805	173	32210	17.356	ug/l	97
58) 4-Methyl-2-Pentanone	8.580	43	407931	101.531	ug/l	100
59) 2-Hexanone	9.433	43	320009	102.567	ug/l	100
61) Tetrachloroethene	9.275	164	49712	19.853	ug/l	95
62) Toluene	8.720	91	206185	19.611	ug/l	98
64) Chlorobenzene	10.079	112	129407	19.453	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.165	131	46559	18.905	ug/l	99
66) Ethyl Benzene	10.195	91	225490	19.380	ug/l	100
67) m/p-Xylenes	10.305	106	172121	38.251	ug/l	100
68) o-Xylene	10.646	106	84783	19.112	ug/l	99
69) Styrene	10.659	104	141563	19.364	ug/l	98
70) Isopropylbenzene	10.963	105	224440	19.243	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.213	83	76382	20.471	ug/l	99
72) 1,2,3-Trichloropropane	11.244	75	71569m	20.406	ug/l	
73) Bromobenzene	11.201	156	55528	19.554	ug/l	96
74) n-propylbenzene	11.305	91	255163	18.892	ug/l	100
75) 2-Chlorotoluene	11.366	91	155847	19.331	ug/l	99
76) 1,3,5-Trimethylbenzene	11.457	105	184875	19.112	ug/l	100
77) t-1,4-Dichloro-2-butene	11.018	75	22744	18.166	ug/l	98
78) 4-Chlorotoluene	11.457	91	172615	18.948	ug/l	100
79) tert-butylbenzene	11.719	119	181566	19.323	ug/l	99
80) 1,2,4-Trimethylbenzene	11.756	105	185460	19.347	ug/l	99
81) sec-Butylbenzene	11.896	105	231597	19.243	ug/l	100
82) p-Isopropyltoluene	12.012	119	189020	19.114	ug/l	99
83) 1,3-Dichlorobenzene	11.969	146	99627	19.370	ug/l	99
84) 1,4-Dichlorobenzene	12.043	146	98210	19.318	ug/l	99
85) n-Butylbenzene	12.335	91	164152	18.764	ug/l	99
86) Hexachloroethane	12.542	117	29147	18.135	ug/l	98
87) 1,2-Dichlorobenzene	12.341	146	97464	19.637	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	12.945	75	14558	17.764	ug/l	99
89) 1,2,4-Trichlorobenzene	13.591	180	57756	18.811	ug/l	100
90) Hexachlorobutadiene	13.731	225	26653	19.353	ug/l	100
91) Naphthalene	13.780	128	202695	19.221	ug/l	100
92) 1,2,3-Trichlorobenzene	13.963	180	58836	19.074	ug/l	97

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

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