

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080421\
 Data File : VX023536.D
 Acq On : 04 Aug 2021 12:16
 Operator : JC/MD
 Sample : VX0804WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampled :
 VX0804WBSD01

Manual Integrations
 APPROVED

MMDadoda
 8/6/2021 11:09:18 AM

Quant Time: Aug 05 05:17:59 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	4.904	128	38703	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	206540	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	184657	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	85963	28.72	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	95.73%		
60) 4-Bromofluorobenzene	11.085	95	84970	28.09	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	93.63%		
63) Toluene-d8	8.653	98	253079	30.45	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	101.50%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.173	85	41292	18.06	ug/l	100
3) Chloromethane	1.294	50	45780	17.75	ug/l	97
4) Vinyl Chloride	1.374	62	46964	18.21	ug/l	99
5) Bromomethane	1.599	94	31392	20.74	ug/l	98
6) Chloroethane	1.685	64	29441	18.23	ug/l	98
7) Trichlorofluoromethane	1.886	101	78158	18.76	ug/l	92
8) Diethyl Ether	2.136	74	28951	19.49	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.331	101	44479	19.11	ug/l	99
10) 1,1-Dichloroethene	2.319	96	41411	18.47	ug/l	94
11) Methyl Iodide	2.453	142	56422	17.91	ug/l	96
12) Methyl Acetate	2.709	43	64317	19.23	ug/l	99
13) Acrolein	2.239	56	43703	118.70	ug/l	100
14) Acrylonitrile	3.069	53	146066	98.73	ug/l	100
15) Acetone	2.386	58	39226	87.49	ug/l	92
16) Carbon Disulfide	2.514	76	96614	17.47	ug/l	99
17) Allyl chloride	2.666	41	75382	18.19	ug/l	98
18) Methylene Chloride	2.788	84	50925	19.31	ug/l	98
19) trans-1,2-Dichloroethene	3.093	96	43960	18.32	ug/l	96
20) Diisopropyl ether	3.770	45	157686	19.06	ug/l	92
21) 1,1-Dichloroethane	3.611	63	83554	18.54	ug/l	100
22) cis-1,2-Dichloroethene	4.495	96	53441	19.13	ug/l	99
23) tert-Butyl Alcohol	2.971	59	63638	94.80	ug/l #	100
24) Methyl tert-Butyl Ether	3.117	73	151182	19.22	ug/l	99
25) Chloroform	5.105	83	86076	18.62	ug/l	97
26) Cyclohexane	5.477	56	76243	18.63	ug/l #	99
29) 1,1-Dichloropropene	5.696	75	61972	19.27	ug/l	98
30) 2-Butanone	4.562	43	210975	97.84	ug/l	100
31) 2,2-Dichloropropane	4.477	77	67064	18.44	ug/l	98
32) 1,1,1-Trichloroethane	5.385	97	73275	18.83	ug/l	98
33) Carbon Tetrachloride	5.678	117	63901	18.88	ug/l	99
34) Benzene	6.044	78	188755	19.46	ug/l	99
35) Methacrylonitrile	4.928	41	41294	19.05	ug/l	99
36) 1,2-Dichloroethane	6.092	62	73796	19.91	ug/l	100
37) Trichloroethene	7.129	130	51002	19.36	ug/l	99
38) Methylcyclohexane	7.385	83	81098	19.82	ug/l	98
39) 1,2-Dichloropropane	7.434	63	49358	19.45	ug/l	93
40) Dibromomethane	7.586	93	35027	19.46	ug/l	99
41) Bromodichloromethane	7.824	83	62428	19.11	ug/l	99
42) Vinyl Acetate	3.727	43	704221	100.27	ug/l	100
43) Ethyl Acetate	4.727	43	78206	19.55	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Isopropyl Acetate	6.342	43	124037	19.48	ug/l	100
45) 1,4-Dioxane	7.665	88	25327	383.29	ug/l	97
46) Methyl methacrylate	7.696	41	59866	19.49	ug/l	97
47) n-amyl Acetate	10.848	43	99477	18.36	ug/l	98
48) t-1,3-Dichloropropene	8.982	75	70263	18.42	ug/l	97
49) cis-1,3-Dichloropropene	8.366	75	78054	19.29	ug/l	97
50) 1,1,2-Trichloroethane	9.153	97	51144	19.67	ug/l	97
51) Ethyl methacrylate	9.116	69	77403	18.88	ug/l	98
52) 1,3-Dichloropropane	9.311	76	85315	19.99	ug/l	100
53) Dibromochloromethane	9.525	129	47917	18.34	ug/l	98
54) 1,2-Dibromoethane	9.610	107	53612	19.49	ug/l	99
55) 2-Chloroethyl vinyl ether	8.244	63	194132	94.82	ug/l	99
56) Bromoform	10.799	173	32334	17.24	ug/l	99
58) 4-Methyl-2-Pentanone	8.574	43	410890	103.21	ug/l	99
59) 2-Hexanone	9.433	43	312292	101.02	ug/l	99
61) Tetrachloroethene	9.275	164	50924	20.53	ug/l	97
62) Toluene	8.720	91	208786	20.04	ug/l	99
64) Chlorobenzene	10.079	112	129456	19.64	ug/l	95
65) 1,1,1,2-Tetrachloroethane	10.165	131	46770	19.17	ug/l	99
66) Ethyl Benzene	10.195	91	224315	19.46	ug/l	97
67) m/p-Xylenes	10.305	106	168035	37.69	ug/l	99
68) o-Xylene	10.646	106	83688	19.04	ug/l	99
69) Styrene	10.659	104	134266	18.54	ug/l	99
70) Isopropylbenzene	10.963	105	218713	18.93	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.213	83	70678	19.12	ug/l	99
72) 1,2,3-Trichloropropane	11.244	75	68060m	19.59	ug/l	
73) Bromobenzene	11.201	156	54075	19.22	ug/l	97
74) n-propylbenzene	11.305	91	248885	18.60	ug/l	99
75) 2-Chlorotoluene	11.366	91	147429	18.46	ug/l	99
76) 1,3,5-Trimethylbenzene	11.451	105	179652	18.74	ug/l	99
77) t-1,4-Dichloro-2-butene	11.024	75	21874	17.63	ug/l	98
78) 4-Chlorotoluene	11.457	91	168456	18.66	ug/l	100
79) tert-butylbenzene	11.719	119	174460	18.74	ug/l	99
80) 1,2,4-Trimethylbenzene	11.756	105	177763	18.72	ug/l	100
81) sec-Butylbenzene	11.896	105	221981	18.62	ug/l	99
82) p-Isopropyltoluene	12.012	119	181331	18.51	ug/l	100
83) 1,3-Dichlorobenzene	11.969	146	93736	18.39	ug/l	99
84) 1,4-Dichlorobenzene	12.043	146	91612	18.19	ug/l	97
85) n-Butylbenzene	12.335	91	158968	18.34	ug/l	99
86) Hexachloroethane	12.542	117	26736	16.79	ug/l	99
87) 1,2-Dichlorobenzene	12.335	146	92273	18.76	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	12.945	75	14202	17.49	ug/l	99
89) 1,2,4-Trichlorobenzene	13.591	180	56213	18.48	ug/l	100
90) Hexachlorobutadiene	13.725	225	25336	18.57	ug/l	99
91) Naphthalene	13.780	128	194819	18.65	ug/l	100
92) 1,2,3-Trichlorobenzene	13.963	180	56806	18.59	ug/l	99

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

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