

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080321\
 Data File : VX023526.D
 Acq On : 03 Aug 2021 14:36
 Operator : JC/MD
 Sample : M2940-07 2.5PPB LOD
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2021

Manual Integrations
 APPROVED

MMDadoda
 8/6/2021 5:39:28 PM

Quant Time: Aug 04 04:55:07 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	38523	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.769	114	210588	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	186734	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.964	65	87742	29.452	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	98.167%		
60) 4-Bromofluorobenzene	11.085	95	84627	27.669	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	92.233%		
63) Toluene-d8	8.653	98	258607	30.771	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	102.567%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.173	85	5415	2.380	ug/l	99
3) Chloromethane	1.294	50	6320	2.462	ug/l	94
4) Vinyl Chloride	1.374	62	6273	2.443	ug/l	98
5) Bromomethane	1.605	94	5723	3.799	ug/l	99
6) Chloroethane	1.685	64	4208	2.618	ug/l #	86
7) Trichlorofluoromethane	1.886	101	9852	2.376	ug/l	94
8) Diethyl Ether	2.136	74	3446	2.331	ug/l	92
9) 1,1,2-Trichlorotrifluo...	2.331	101	5634	2.432	ug/l	98
10) 1,1-Dichloroethene	2.319	96	5112	2.290	ug/l	91
11) Methyl Iodide	2.453	142	5483	1.748	ug/l	95
12) Methyl Acetate	2.709	43	7793	2.341	ug/l	92
13) Acrolein	2.239	56	5023	13.706	ug/l	98
14) Acrylonitrile	3.075	53	16479	11.191	ug/l	97
15) Acetone	2.386	58	5090	11.406	ug/l	76
16) Carbon Disulfide	2.514	76	12949	2.352	ug/l	99
17) Allyl chloride	2.666	41	9202	2.231	ug/l	95
18) Methylene Chloride	2.794	84	8552	3.258	ug/l	90
19) trans-1,2-Dichloroethene	3.093	96	5616	2.351	ug/l	92
20) Diisopropyl ether	3.764	45	18139	2.203	ug/l #	82
21) 1,1-Dichloroethane	3.611	63	10041	2.238	ug/l	97
22) cis-1,2-Dichloroethene	4.495	96	6462	2.325	ug/l	98
23) tert-Butyl Alcohol	2.971	59	8018	12.000	ug/l #	100
24) Methyl tert-Butyl Ether	3.123	73	17496	2.235	ug/l	99
25) Chloroform	5.099	83	10760	2.338	ug/l	95
26) Cyclohexane	5.471	56	9240	2.269	ug/l #	99
29) 1,1-Dichloropropene	5.696	75	7569	2.308	ug/l	93
30) 2-Butanone	4.562	43	24772	11.268	ug/l	98
31) 2,2-Dichloropropane	4.489	77	8046m	2.170	ug/l	
32) 1,1,1-Trichloroethane	5.385	97	8713	2.196	ug/l	94
33) Carbon Tetrachloride	5.690	117	7270	2.107	ug/l	96
34) Benzene	6.044	78	22386	2.264	ug/l	96
35) Methacrylonitrile	4.928	41	5197	2.351	ug/l	80
36) 1,2-Dichloroethane	6.092	62	8693	2.301	ug/l	98
37) Trichloroethene	7.123	130	6510	2.423	ug/l	84
38) Methylcyclohexane	7.385	83	9736	2.334	ug/l	99
39) 1,2-Dichloropropane	7.434	63	6125	2.367	ug/l	98
40) Dibromomethane	7.586	93	4278	2.331	ug/l	99
41) Bromodichloromethane	7.824	83	6734	2.021	ug/l	98
42) Vinyl Acetate	3.727	43	77827	10.868	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.733	43	9316	2.284	ug/l	98
44) Isopropyl Acetate	6.348	43	14387	2.216	ug/l	98
45) 1,4-Dioxane	7.665	88	2905	43.119	ug/l #	88
46) Methyl methacrylate	7.696	41	6245	1.994	ug/l	97
47) n-amyl Acetate	10.842	43	10872	1.968	ug/l	99
48) t-1,3-Dichloropropene	8.982	75	7452	1.916	ug/l	100
49) cis-1,3-Dichloropropene	8.372	75	7953	1.928	ug/l	99
50) 1,1,2-Trichloroethane	9.153	97	6145	2.318	ug/l	97
51) Ethyl methacrylate	9.122	69	8036	1.923	ug/l	97
52) 1,3-Dichloropropane	9.311	76	10150	2.332	ug/l	96
53) Dibromochloromethane	9.525	129	4691	1.761	ug/l	97
54) 1,2-Dibromoethane	9.616	107	6137	2.188	ug/l	96
55) 2-Chloroethyl vinyl ether	8.244	63	22945	10.992	ug/l	98
56) Bromoform	10.805	173	3122	1.633	ug/l #	93
58) 4-Methyl-2-Pentanone	8.580	43	45506	11.304	ug/l	99
59) 2-Hexanone	9.433	43	34833	11.143	ug/l	97
61) Tetrachloroethene	9.275	164	6453	2.572	ug/l	91
62) Toluene	8.720	91	24907	2.364	ug/l	99
64) Chlorobenzene	10.079	112	15473	2.321	ug/l	95
65) 1,1,1,2-Tetrachloroethane	10.165	131	5108	2.070	ug/l	94
66) Ethyl Benzene	10.195	91	25788	2.212	ug/l	96
67) m/p-Xylenes	10.305	106	18964	4.206	ug/l	97
68) o-Xylene	10.646	106	9631	2.167	ug/l	99
69) Styrene	10.659	104	15013	2.050	ug/l	97
70) Isopropylbenzene	10.963	105	24542	2.100	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.213	83	8086	2.163	ug/l	99
72) 1,2,3-Trichloropropane	11.244	75	8454m	2.406	ug/l	
73) Bromobenzene	11.201	156	6359	2.235	ug/l	99
74) n-propylbenzene	11.305	91	27553	2.036	ug/l	99
75) 2-Chlorotoluene	11.366	91	16840	2.085	ug/l	97
76) 1,3,5-Trimethylbenzene	11.451	105	20892	2.156	ug/l	97
77) t-1,4-Dichloro-2-butene	11.018	75	1995	1.590	ug/l	90
78) 4-Chlorotoluene	11.457	91	18002	1.972	ug/l	95
79) tert-butylbenzene	11.719	119	20021	2.127	ug/l	98
80) 1,2,4-Trimethylbenzene	11.756	105	20604	2.145	ug/l	97
81) sec-Butylbenzene	11.890	105	24335	2.018	ug/l	95
82) p-Isopropyltoluene	12.012	119	19821	2.000	ug/l	98
83) 1,3-Dichlorobenzene	11.969	146	10918	2.119	ug/l	98
84) 1,4-Dichlorobenzene	12.043	146	11187	2.196	ug/l	99
85) n-Butylbenzene	12.335	91	16648	1.899	ug/l	97
86) Hexachloroethane	12.542	117	2785	1.729	ug/l	96
87) 1,2-Dichlorobenzene	12.335	146	10649	2.141	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	12.945	75	1461	1.779	ug/l	99
89) 1,2,4-Trichlorobenzene	13.591	180	5949	1.934	ug/l	94
90) Hexachlorobutadiene	13.725	225	2919	2.115	ug/l	97
91) Naphthalene	13.780	128	17696	1.675	ug/l	98
92) 1,2,3-Trichlorobenzene	13.963	180	5736	1.856	ug/l	99

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

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