

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080421\
 Data File : VX023532.D
 Acq On : 04 Aug 2021 10:03
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Manual Integrations
 APPROVED

MMDadoda
 8/6/2021 11:09:14 AM

Quant Time: Aug 05 05:16:45 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	36953	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	199563	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	186830	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	85235	29.83	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	99.43%		
60) 4-Bromofluorobenzene	11.085	95	90467	29.56	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	98.53%		
63) Toluene-d8	8.653	98	250818	29.83	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	99.43%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.172	85	41638	19.08	ug/l	94
3) Chloromethane	1.294	50	47759	19.39	ug/l	98
4) Vinyl Chloride	1.374	62	46229	18.77	ug/l	99
5) Bromomethane	1.599	94	33052	22.87	ug/l	94
6) Chloroethane	1.685	64	29745	19.29	ug/l	97
7) Trichlorofluoromethane	1.886	101	75089	18.88	ug/l	94
8) Diethyl Ether	2.136	74	28027	19.76	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.325	101	42327	19.05	ug/l	98
10) 1,1-Dichloroethene	2.319	96	39809	18.59	ug/l	97
11) Methyl Iodide	2.453	142	55450	18.43	ug/l	95
12) Methyl Acetate	2.709	43	63052	19.75	ug/l	100
13) Acrolein	2.239	56	36347	103.39	ug/l	98
14) Acrylonitrile	3.068	53	140173	99.24	ug/l	97
15) Acetone	2.386	58	42980	100.40	ug/l	99
16) Carbon Disulfide	2.514	76	96552	18.28	ug/l	100
17) Allyl chloride	2.666	41	75047	18.97	ug/l	98
18) Methylene Chloride	2.788	84	51218	20.34	ug/l	94
19) trans-1,2-Dichloroethene	3.093	96	43054	18.79	ug/l	94
20) Diisopropyl ether	3.770	45	153671	19.45	ug/l	92
21) 1,1-Dichloroethane	3.611	63	83483	19.40	ug/l	99
22) cis-1,2-Dichloroethene	4.495	96	51806	19.43	ug/l	98
23) tert-Butyl Alcohol	2.971	59	64790	101.08	ug/l #	100
24) Methyl tert-Butyl Ether	3.123	73	149026	19.84	ug/l	99
25) Chloroform	5.099	83	85340	19.33	ug/l	98
26) Cyclohexane	5.477	56	73950	18.93	ug/l #	99
29) 1,1-Dichloropropene	5.696	75	61214	19.69	ug/l	99
30) 2-Butanone	4.562	43	210704	101.13	ug/l	100
31) 2,2-Dichloropropane	4.483	77	66937	19.05	ug/l #	77
32) 1,1,1-Trichloroethane	5.385	97	71866	19.11	ug/l	98
33) Carbon Tetrachloride	5.678	117	62943	19.25	ug/l	97
34) Benzene	6.044	78	183359	19.57	ug/l	99
35) Methacrylonitrile	4.928	41	41966	20.03	ug/l	98
36) 1,2-Dichloroethane	6.092	62	72432	20.23	ug/l	99
37) Trichloroethene	7.129	130	49952	19.62	ug/l	100
38) Methylcyclohexane	7.385	83	77179	19.52	ug/l	99
39) 1,2-Dichloropropane	7.434	63	47916	19.54	ug/l	96
40) Dibromomethane	7.580	93	35239	20.26	ug/l	99
41) Bromodichloromethane	7.824	83	61354	19.43	ug/l	99
42) Vinyl Acetate	3.727	43	694977	102.41	ug/l	100
43) Ethyl Acetate	4.721	43	80902	20.93	ug/l	98

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44) Isopropyl Acetate	6.348	43	123062	20.00	ug/l	100
45) 1,4-Dioxane	7.659	88	27170	425.56	ug/l	95
46) Methyl methacrylate	7.696	41	59715	20.12	ug/l	97
47) n-amyl Acetate	10.848	43	104509	19.96	ug/l	100
48) t-1,3-Dichloropropene	8.982	75	72216	19.59	ug/l	98
49) cis-1,3-Dichloropropene	8.366	75	74639	19.09	ug/l	97
50) 1,1,2-Trichloroethane	9.153	97	51643	20.56	ug/l	98
51) Ethyl methacrylate	9.116	69	77827	19.65	ug/l	100
52) 1,3-Dichloropropane	9.311	76	84176	20.41	ug/l	98
53) Dibromochloromethane	9.525	129	48242	19.11	ug/l	99
54) 1,2-Dibromoethane	9.610	107	54798	20.61	ug/l	99
55) 2-Chloroethyl vinyl ether	8.244	63	195139	98.64	ug/l	100
56) Bromoform	10.805	173	34915	19.27	ug/l	99
58) 4-Methyl-2-Pentanone	8.574	43	406215	100.85	ug/l	99
59) 2-Hexanone	9.433	43	320849	102.58	ug/l	99
61) Tetrachloroethene	9.275	164	52070	20.74	ug/l	97
62) Toluene	8.720	91	204973	19.45	ug/l	100
64) Chlorobenzene	10.079	112	131738	19.75	ug/l	98
65) 1,1,1,2-Tetrachloroethane	10.165	131	47687	19.31	ug/l	99
66) Ethyl Benzene	10.195	91	227378	19.49	ug/l	99
67) m/p-Xylenes	10.305	106	174001	38.57	ug/l	100
68) o-Xylene	10.646	106	86412	19.43	ug/l	99
69) Styrene	10.659	104	140818	19.21	ug/l	99
70) Isopropylbenzene	10.963	105	227582	19.46	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.213	83	75410	20.16	ug/l	100
72) 1,2,3-Trichloropropane	11.244	75	73030m	20.77	ug/l	
73) Bromobenzene	11.201	156	56948	20.00	ug/l	97
74) n-propylbenzene	11.305	91	263357	19.45	ug/l	99
75) 2-Chlorotoluene	11.366	91	156856	19.41	ug/l	99
76) 1,3,5-Trimethylbenzene	11.451	105	189210	19.51	ug/l	98
77) t-1,4-Dichloro-2-butene	11.018	75	23986	19.11	ug/l	93
78) 4-Chlorotoluene	11.457	91	174403	19.10	ug/l	98
79) tert-butylbenzene	11.719	119	183837	19.52	ug/l	98
80) 1,2,4-Trimethylbenzene	11.756	105	188026	19.57	ug/l	99
81) sec-Butylbenzene	11.890	105	230623	19.11	ug/l	99
82) p-Isopropyltoluene	12.012	119	192104	19.38	ug/l	100
83) 1,3-Dichlorobenzene	11.969	146	99917	19.38	ug/l	100
84) 1,4-Dichlorobenzene	12.042	146	99188	19.46	ug/l	99
85) n-Butylbenzene	12.335	91	170370	19.43	ug/l	99
86) Hexachloroethane	12.542	117	29195	18.12	ug/l	100
87) 1,2-Dichlorobenzene	12.335	146	96920	19.48	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	12.945	75	14207	17.29	ug/l	97
89) 1,2,4-Trichlorobenzene	13.591	180	58954	19.15	ug/l	99
90) Hexachlorobutadiene	13.725	225	27013	19.57	ug/l	98
91) Naphthalene	13.780	128	203320	19.23	ug/l	99
92) 1,2,3-Trichlorobenzene	13.963	180	59186	19.14	ug/l	98

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

