

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051321\
 Data File : VX021958.D
 Acq On : 13 May 2021 11:34
 Operator : JC/MD
 Sample : VX0513WBS02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0513WBS02

Manual Integrations
 APPROVED

MMDadoda
 5/14/2021 6:48:11 PM

Quant Time: May 14 03:45:19 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X051321W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu May 13 06:11:35 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	4.904	128	19695	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	112472	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	100101	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	45521	30.01	ug/l	0.00
Spiked Amount 30.000	Range	91 - 110	Recovery	=	100.03%	
60) 4-Bromofluorobenzene	11.085	95	51384	30.93	ug/l	0.00
Spiked Amount 30.000	Range	63 - 112	Recovery	=	103.10%	
63) Toluene-d8	8.653	98	138102	30.19	ug/l	0.00
Spiked Amount 30.000	Range	91 - 112	Recovery	=	100.63%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.167	85	21692	18.66	ug/l	96
3) Chloromethane	1.295	50	24837	17.78	ug/l	97
4) Vinyl Chloride	1.374	62	26013	17.94	ug/l	97
5) Bromomethane	1.612	94	14467	17.72	ug/l	100
6) Chloroethane	1.691	64	16803	18.00	ug/l	96
7) Trichlorofluoromethane	1.892	101	36228	17.88	ug/l	100
8) Diethyl Ether	2.136	74	15945	18.34	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.331	101	21337	18.36	ug/l	99
10) 1,1-Dichloroethene	2.325	96	20669	17.66	ug/l	93
11) Methyl Iodide	2.453	142	23289	20.00	ug/l	96
12) Methyl Acetate	2.709	43	29088	17.97	ug/l	97
13) Acrolein	2.239	56	27673	110.24	ug/l	95
14) Acrylonitrile	3.069	53	59007	89.34	ug/l	97
15) Acetone	2.386	58	18617	94.42	ug/l	94
16) Carbon Disulfide	2.514	76	57643	18.00	ug/l	97
17) Allyl chloride	2.666	41	36715	17.79	ug/l	98
18) Methylene Chloride	2.794	84	24228	17.41	ug/l	98
19) trans-1,2-Dichloroethene	3.093	96	23583	18.54	ug/l	88
20) Diisopropyl ether	3.764	45	70093	18.02	ug/l	96
21) 1,1-Dichloroethane	3.611	63	42257	18.14	ug/l	97
22) cis-1,2-Dichloroethene	4.495	96	26958	18.03	ug/l	98
23) tert-Butyl Alcohol	2.971	59	27653	86.13	ug/l #	100
24) Methyl tert-Butyl Ether	3.117	73	68004	17.84	ug/l	99
25) Chloroform	5.105	83	42489	18.00	ug/l	96
26) Cyclohexane	5.471	56	35244	18.34	ug/l #	99
29) 1,1-Dichloropropene	5.702	75	32303	18.35	ug/l	99
30) 2-Butanone	4.562	43	90837	91.16	ug/l	99
31) 2,2-Dichloropropane	4.483	77	37748	18.25	ug/l	99
32) 1,1,1-Trichloroethane	5.391	97	37820	18.21	ug/l	99
33) Carbon Tetrachloride	5.678	117	33094	18.78	ug/l	89
34) Benzene	6.044	78	97928	18.23	ug/l	99
35) Methacrylonitrile	4.922	41	19862	18.62	ug/l	93
36) 1,2-Dichloroethane	6.092	62	33862	18.47	ug/l #	89
37) Trichloroethene	7.129	130	24437	18.10	ug/l	96
38) Methylcyclohexane	7.385	83	36795	18.41	ug/l	97
39) 1,2-Dichloropropane	7.434	63	24704	18.42	ug/l	100
40) Dibromomethane	7.586	93	17114	18.34	ug/l	99
41) Bromodichloromethane	7.824	83	34730	18.64	ug/l	93
42) Vinyl Acetate	3.727	43	335837	90.25	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.715	43	36715	18.13	ug/l #	83
44) Isopropyl Acetate	6.342	43	61830	18.51	ug/l	97
45) 1,4-Dioxane	7.678	88	10658	357.46	ug/l #	100
46) Methyl methacrylate	7.696	41	27892	18.01	ug/l	95
47) n-amyl Acetate	10.842	43	51720	18.62	ug/l	100
48) t-1,3-Dichloropropene	8.982	75	38508	18.41	ug/l	99
49) cis-1,3-Dichloropropene	8.373	75	41476	18.48	ug/l	98
50) 1,1,2-Trichloroethane	9.153	97	24381	18.36	ug/l	95
51) Ethyl methacrylate	9.116	69	39586	18.48	ug/l	98
52) 1,3-Dichloropropane	9.311	76	42118	18.19	ug/l	99
53) Dibromochloromethane	9.525	129	24881	18.64	ug/l	97
54) 1,2-Dibromoethane	9.610	107	24880	18.24	ug/l	98
55) 2-Chloroethyl vinyl ether	8.245	63	103902	91.90	ug/l	99
56) Bromoform	10.805	173	15801	18.67	ug/l	98
58) 4-Methyl-2-Pentanone	8.574	43	179887	89.12	ug/l	99
59) 2-Hexanone	9.433	43	136651	91.41	ug/l	99
61) Tetrachloroethene	9.275	164	20336	17.91	ug/l	92
62) Toluene	8.720	91	104396	18.21	ug/l	100
64) Chlorobenzene	10.080	112	63920	18.65	ug/l	98
65) 1,1,1,2-Tetrachloroethane	10.165	131	22036	17.62	ug/l	97
66) Ethyl Benzene	10.195	91	115068	18.25	ug/l	97
67) m/p-Xylenes	10.305	106	87638	36.67	ug/l	99
68) o-Xylene	10.647	106	43480	18.68	ug/l	100
69) Styrene	10.659	104	70462	18.09	ug/l	98
70) Isopropylbenzene	10.964	105	114050	18.66	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.213	83	36101	17.91	ug/l	97
72) 1,2,3-Trichloropropane	11.244	75	33349m	18.67	ug/l	
73) Bromobenzene	11.201	156	23622	18.24	ug/l	98
74) n-propylbenzene	11.305	91	134153	18.83	ug/l	98
75) 2-Chlorotoluene	11.366	91	78762	18.66	ug/l	99
76) 1,3,5-Trimethylbenzene	11.457	105	94343	18.48	ug/l	100
77) t-1,4-Dichloro-2-butene	11.025	75	12952	17.89	ug/l	95
78) 4-Chlorotoluene	11.457	91	90205	18.57	ug/l	99
79) tert-butylbenzene	11.720	119	89170	18.27	ug/l	99
80) 1,2,4-Trimethylbenzene	11.756	105	94671	18.56	ug/l	99
81) sec-Butylbenzene	11.896	105	112512	18.34	ug/l	99
82) p-Isopropyltoluene	12.012	119	94696	18.41	ug/l	98
83) 1,3-Dichlorobenzene	11.969	146	43652	17.78	ug/l	98
84) 1,4-Dichlorobenzene	12.043	146	44458	18.05	ug/l	99
85) n-Butylbenzene	12.335	91	87222	18.50	ug/l	99
86) Hexachloroethane	12.543	117	15475	18.10	ug/l	99
87) 1,2-Dichlorobenzene	12.335	146	44169	18.57	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	12.945	75	8054	17.95	ug/l	97
89) 1,2,4-Trichlorobenzene	13.591	180	26887	18.46	ug/l	95
90) Hexachlorobutadiene	13.725	225	10524	18.67	ug/l	98
91) Naphthalene	13.780	128	103607	18.13	ug/l	98
92) 1,2,3-Trichlorobenzene	13.963	180	25995	17.97	ug/l	98

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

