

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051321\
 Data File : VX021940.D
 Acq On : 12 May 2021 21:15
 Operator : JC/MD
 Sample : VX0513WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0513WBS01

Manual Integrations
 APPROVED

MMDadoda
 5/13/2021 4:07:24 PM

Quant Time: May 13 06:26:04 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	4.903	128	18201	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.769	114	106257	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	92579	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.964	65	41644	29.70	ug/l	0.00
Spiked Amount 30.000	Range	91 - 110	Recovery	=	99.00%	
60) 4-Bromofluorobenzene	11.085	95	46596	30.33	ug/l	0.00
Spiked Amount 30.000	Range	63 - 112	Recovery	=	101.10%	
63) Toluene-d8	8.653	98	128924	30.47	ug/l	0.00
Spiked Amount 30.000	Range	91 - 112	Recovery	=	101.57%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	20613	19.18	ug/l	94
3) Chloromethane	1.294	50	24080	18.66	ug/l	99
4) Vinyl Chloride	1.374	62	25143	18.76	ug/l	99
5) Bromomethane	1.611	94	14549	19.29	ug/l	96
6) Chloroethane	1.691	64	16418	19.03	ug/l	96
7) Trichlorofluoromethane	1.892	101	34385	18.36	ug/l	98
8) Diethyl Ether	2.136	74	14878	18.52	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.337	101	19655	18.30	ug/l	99
10) 1,1-Dichloroethene	2.325	96	20120	18.60	ug/l	99
11) Methyl Iodide	2.459	142	21260	19.76	ug/l	94
12) Methyl Acetate	2.709	43	28415	18.99	ug/l	96
13) Acrolein	2.239	56	22543	97.17	ug/l	97
14) Acrylonitrile	3.068	53	57326	93.92	ug/l	97
15) Acetone	2.386	58	16583	91.01	ug/l	88
16) Carbon Disulfide	2.514	76	54965	18.57	ug/l	99
17) Allyl chloride	2.666	41	36264	19.02	ug/l	96
18) Methylene Chloride	2.794	84	23593	18.35	ug/l	94
19) trans-1,2-Dichloroethene	3.099	96	22211	18.89	ug/l	93
20) Diisopropyl ether	3.770	45	65323	18.17	ug/l	97
21) 1,1-Dichloroethane	3.617	63	40323	18.73	ug/l	97
22) cis-1,2-Dichloroethene	4.501	96	25869	18.72	ug/l	98
23) tert-Butyl Alcohol	2.971	59	27817	93.75	ug/l #	100
24) Methyl tert-Butyl Ether	3.117	73	66356	18.84	ug/l	100
25) Chloroform	5.105	83	41447	19.00	ug/l	92
26) Cyclohexane	5.483	56	32564	18.33	ug/l #	97
29) 1,1-Dichloropropene	5.702	75	30634	18.42	ug/l	97
30) 2-Butanone	4.562	43	87769	93.24	ug/l #	97
31) 2,2-Dichloropropane	4.483	77	32830	16.80	ug/l	95
32) 1,1,1-Trichloroethane	5.391	97	36786	18.75	ug/l	98
33) Carbon Tetrachloride	5.690	117	30413	18.26	ug/l	89
34) Benzene	6.044	78	92395	18.21	ug/l	97
35) Methacrylonitrile	4.928	41	18158	18.02	ug/l	93
36) 1,2-Dichloroethane	6.098	62	32898	18.99	ug/l #	89
37) Trichloroethene	7.135	130	22920	17.97	ug/l	96
38) Methylcyclohexane	7.385	83	34088	18.06	ug/l	97
39) 1,2-Dichloropropane	7.440	63	23909	18.87	ug/l	99
40) Dibromomethane	7.586	93	16273	18.46	ug/l	98
41) Bromodichloromethane	7.830	83	31619	17.97	ug/l #	97
42) Vinyl Acetate	3.727	43	324253	92.24	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.721	43	35573	18.60	ug/l	97
44) Isopropyl Acetate	6.348	43	57706	18.29	ug/l	99
45) 1,4-Dioxane	7.677	88	10401	369.24	ug/l #	100
46) Methyl methacrylate	7.696	41	27612	18.88	ug/l	90
47) n-amyl Acetate	10.848	43	49208	18.75	ug/l	99
48) t-1,3-Dichloropropene	8.982	75	36189	18.32	ug/l	97
49) cis-1,3-Dichloropropene	8.372	75	39621	18.68	ug/l	97
50) 1,1,2-Trichloroethane	9.159	97	23515	18.74	ug/l	96
51) Ethyl methacrylate	9.122	69	37855	18.71	ug/l	100
52) 1,3-Dichloropropane	9.311	76	40766	18.63	ug/l	99
53) Dibromochloromethane	9.525	129	23738	18.83	ug/l	99
54) 1,2-Dibromoethane	9.610	107	24704	19.17	ug/l	99
55) 2-Chloroethyl vinyl ether	8.244	63	102383	95.85	ug/l	99
56) Bromoform	10.805	173	15100	18.88	ug/l	98
58) 4-Methyl-2-Pentanone	8.580	43	176083	94.32	ug/l	100
59) 2-Hexanone	9.433	43	130353	94.28	ug/l	99
61) Tetrachloroethene	9.275	164	19851	18.90	ug/l	99
62) Toluene	8.720	91	99570	18.78	ug/l	99
64) Chlorobenzene	10.085	112	60375	19.05	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.165	131	21734	18.79	ug/l	100
66) Ethyl Benzene	10.195	91	110765	18.99	ug/l	98
67) m/p-Xylenes	10.305	106	84454	38.21	ug/l	97
68) o-Xylene	10.646	106	40691	18.90	ug/l	99
69) Styrene	10.659	104	66128	18.36	ug/l	99
70) Isopropylbenzene	10.963	105	105381	18.64	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.213	83	34813	18.68	ug/l	98
72) 1,2,3-Trichloropropane	11.244	75	31427m	19.02	ug/l	
73) Bromobenzene	11.201	156	22286	18.61	ug/l	97
74) n-propylbenzene	11.305	91	122074	18.52	ug/l	99
75) 2-Chlorotoluene	11.366	91	73674	18.88	ug/l	99
76) 1,3,5-Trimethylbenzene	11.457	105	88826	18.81	ug/l	100
77) t-1,4-Dichloro-2-butene	11.024	75	11782	17.59	ug/l	85
78) 4-Chlorotoluene	11.457	91	82997	18.47	ug/l	99
79) tert-butylbenzene	11.719	119	83565	18.51	ug/l	100
80) 1,2,4-Trimethylbenzene	11.756	105	87688	18.59	ug/l	100
81) sec-Butylbenzene	11.896	105	104866	18.48	ug/l	99
82) p-Isopropyltoluene	12.012	119	88752	18.66	ug/l	98
83) 1,3-Dichlorobenzene	11.975	146	41248	18.16	ug/l	98
84) 1,4-Dichlorobenzene	12.042	146	42281	18.56	ug/l	98
85) n-Butylbenzene	12.335	91	78471	18.00	ug/l	99
86) Hexachloroethane	12.542	117	14615	18.49	ug/l	96
87) 1,2-Dichlorobenzene	12.335	146	40685	18.50	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	12.945	75	7588	18.28	ug/l	99
89) 1,2,4-Trichlorobenzene	13.591	180	23596	17.51	ug/l	98
90) Hexachlorobutadiene	13.731	225	9493	18.21	ug/l	99
91) Naphthalene	13.780	128	97596	18.47	ug/l	98
92) 1,2,3-Trichlorobenzene	13.963	180	24729	18.49	ug/l	97

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

