

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080421\
 Data File : VX023535.D
 Acq On : 04 Aug 2021 11:41
 Operator : JC/MD
 Sample : VX0804WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0804WBS01

Manual Integrations
 APPROVED

MMDadoda
 8/6/2021 11:09:16 AM

Quant Time: Aug 05 05:17:41 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	37562	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	208015	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	188583	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	84942	29.24	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	97.47%		
60) 4-Bromofluorobenzene	11.085	95	90904	29.43	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	98.10%		
63) Toluene-d8	8.653	98	257291	30.31	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	101.03%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.172	85	44286	19.96	ug/l	96
3) Chloromethane	1.294	50	49674	19.85	ug/l	97
4) Vinyl Chloride	1.374	62	48996	19.57	ug/l	96
5) Bromomethane	1.599	94	32333	22.01	ug/l	100
6) Chloroethane	1.685	64	30057	19.17	ug/l	98
7) Trichlorofluoromethane	1.886	101	78022	19.30	ug/l	96
8) Diethyl Ether	2.136	74	27983	19.41	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.331	101	45261	20.04	ug/l	99
10) 1,1-Dichloroethene	2.319	96	42283	19.43	ug/l	90
11) Methyl Iodide	2.453	142	55805	18.25	ug/l	96
12) Methyl Acetate	2.709	43	62187	19.16	ug/l	99
13) Acrolein	2.239	56	43933	122.95	ug/l	97
14) Acrylonitrile	3.068	53	138588	96.52	ug/l	97
15) Acetone	2.386	58	40872	93.93	ug/l	93
16) Carbon Disulfide	2.514	76	99822	18.59	ug/l	99
17) Allyl chloride	2.666	41	77286	19.22	ug/l	97
18) Methylene Chloride	2.794	84	50321	19.66	ug/l	98
19) trans-1,2-Dichloroethene	3.093	96	45794	19.66	ug/l	98
20) Diisopropyl ether	3.770	45	155235	19.33	ug/l	93
21) 1,1-Dichloroethane	3.617	63	85160	19.47	ug/l	99
22) cis-1,2-Dichloroethene	4.495	96	53139	19.60	ug/l	98
23) tert-Butyl Alcohol	2.971	59	62549	96.00	ug/l #	100
24) Methyl tert-Butyl Ether	3.123	73	146604	19.21	ug/l	99
25) Chloroform	5.099	83	87130	19.42	ug/l	100
26) Cyclohexane	5.477	56	76578	19.28	ug/l #	98
29) 1,1-Dichloropropene	5.696	75	64315	19.85	ug/l	99
30) 2-Butanone	4.562	43	203215	93.58	ug/l	100
31) 2,2-Dichloropropane	4.483	77	69649	19.02	ug/l	98
32) 1,1,1-Trichloroethane	5.391	97	73068	18.64	ug/l	97
33) Carbon Tetrachloride	5.684	117	63209	18.54	ug/l	95
34) Benzene	6.044	78	190469	19.50	ug/l	97
35) Methacrylonitrile	4.928	41	41731	19.11	ug/l	97
36) 1,2-Dichloroethane	6.092	62	70252	18.82	ug/l	99
37) Trichloroethene	7.129	130	52572	19.81	ug/l	98
38) Methylcyclohexane	7.385	83	82119	19.93	ug/l	99
39) 1,2-Dichloropropane	7.434	63	47982	18.77	ug/l	96
40) Dibromomethane	7.586	93	34184	18.85	ug/l	98
41) Bromodichloromethane	7.824	83	61353	18.64	ug/l	98
42) Vinyl Acetate	3.727	43	683200	96.58	ug/l	99
43) Ethyl Acetate	4.721	43	77239	19.17	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080421\
 Data File : VX023535.D
 Acq On : 04 Aug 2021 11:41
 Operator : JC/MD
 Sample : VX0804WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0804WBS01

Manual Integrations
 APPROVED

MMDadoda
 8/6/2021 11:09:16 AM

Quant Time: Aug 05 05:17:41 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)
44) Isopropyl Acetate	6.348	43	120443	18.78	ug/l	99
45) 1,4-Dioxane	7.665	88	26336	395.74	ug/l	97
46) Methyl methacrylate	7.696	41	58212	18.82	ug/l	97
47) n-amyl Acetate	10.848	43	105107	19.26	ug/l	100
48) t-1,3-Dichloropropene	8.982	75	69394	18.06	ug/l	97
49) cis-1,3-Dichloropropene	8.372	75	75671	18.57	ug/l	97
50) 1,1,2-Trichloroethane	9.153	97	50144	19.15	ug/l	94
51) Ethyl methacrylate	9.116	69	77179	18.69	ug/l	98
52) 1,3-Dichloropropane	9.311	76	82624	19.22	ug/l	98
53) Dibromochloromethane	9.525	129	47393	18.01	ug/l	98
54) 1,2-Dibromoethane	9.610	107	52771	19.04	ug/l	97
55) 2-Chloroethyl vinyl ether	8.244	63	189036	91.68	ug/l	99
56) Bromoform	10.805	173	32904	17.42	ug/l	97
58) 4-Methyl-2-Pentanone	8.574	43	398497	98.02	ug/l	100
59) 2-Hexanone	9.433	43	309281	97.96	ug/l	100
61) Tetrachloroethene	9.275	164	51906	20.49	ug/l	98
62) Toluene	8.720	91	210921	19.83	ug/l	100
64) Chlorobenzene	10.079	112	131926	19.60	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.165	131	45916	18.42	ug/l	98
66) Ethyl Benzene	10.195	91	231301	19.65	ug/l	98
67) m/p-Xylenes	10.305	106	179816	39.49	ug/l	100
68) o-Xylene	10.646	106	87906	19.58	ug/l	100
69) Styrene	10.659	104	144599	19.55	ug/l	99
70) Isopropylbenzene	10.963	105	231253	19.59	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.213	83	75082	19.89	ug/l	100
72) 1,2,3-Trichloropropane	11.244	75	71746m	20.22	ug/l	
73) Bromobenzene	11.201	156	57431	19.99	ug/l	97
74) n-propylbenzene	11.305	91	269855	19.75	ug/l	100
75) 2-Chlorotoluene	11.366	91	159936	19.60	ug/l	100
76) 1,3,5-Trimethylbenzene	11.451	105	196508	20.08	ug/l	100
77) t-1,4-Dichloro-2-butene	11.018	75	22842	18.03	ug/l	99
78) 4-Chlorotoluene	11.457	91	181285	19.67	ug/l	99
79) tert-butylbenzene	11.719	119	187305	19.70	ug/l	99
80) 1,2,4-Trimethylbenzene	11.756	105	193242	19.92	ug/l	98
81) sec-Butylbenzene	11.896	105	242626	19.92	ug/l	99
82) p-Isopropyltoluene	12.012	119	198738	19.86	ug/l	100
83) 1,3-Dichlorobenzene	11.969	146	103109	19.81	ug/l	99
84) 1,4-Dichlorobenzene	12.042	146	101638	19.76	ug/l	99
85) n-Butylbenzene	12.335	91	175760	19.85	ug/l	99
86) Hexachloroethane	12.542	117	30446	18.72	ug/l	99
87) 1,2-Dichlorobenzene	12.335	146	99123	19.74	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	12.945	75	14085	16.98	ug/l	97
89) 1,2,4-Trichlorobenzene	13.591	180	59338	19.10	ug/l	99
90) Hexachlorobutadiene	13.725	225	27902	20.02	ug/l	99
91) Naphthalene	13.780	128	202586	18.99	ug/l	100
92) 1,2,3-Trichlorobenzene	13.963	180	59571	19.08	ug/l	98

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

