

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051321\
 Data File : VX021941.D
 Acq On : 12 May 2021 21:38
 Operator : JC/MD
 Sample : VX0513WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0513WBSD01

Manual Integrations
 APPROVED

MMDadoda
 5/13/2021 4:07:27 PM

Quant Time: May 13 06:26:36 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	4.916	128	18180	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.769	114	108616	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	96026	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.964	65	43072	30.76	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 102.53%			
60) 4-Bromofluorobenzene	11.085	95	47488	29.80	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 99.33%			
63) Toluene-d8	8.653	98	129721	29.56	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 98.53%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	20617	19.21	ug/l	95
3) Chloromethane	1.295	50	24189	18.76	ug/l	99
4) Vinyl Chloride	1.374	62	25286	18.89	ug/l	96
5) Bromomethane	1.612	94	13913	18.46	ug/l	96
6) Chloroethane	1.691	64	16219	18.82	ug/l	97
7) Trichlorofluoromethane	1.892	101	34980	18.70	ug/l	94
8) Diethyl Ether	2.136	74	14798	18.44	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.331	101	19839	18.49	ug/l	100
10) 1,1-Dichloroethene	2.325	96	20023	18.53	ug/l	98
11) Methyl Iodide	2.453	142	21776	20.26	ug/l	96
12) Methyl Acetate	2.709	43	27648	18.50	ug/l	99
13) Acrolein	2.239	56	23742	102.46	ug/l	98
14) Acrylonitrile	3.069	53	56399	92.51	ug/l	96
15) Acetone	2.386	58	17231	94.67	ug/l	94
16) Carbon Disulfide	2.514	76	55667	18.83	ug/l	100
17) Allyl chloride	2.666	41	34454	18.09	ug/l	97
18) Methylene Chloride	2.794	84	22846	17.78	ug/l	97
19) trans-1,2-Dichloroethene	3.099	96	22007	18.74	ug/l	94
20) Diisopropyl ether	3.770	45	65227	18.17	ug/l	93
21) 1,1-Dichloroethane	3.617	63	39485	18.36	ug/l	96
22) cis-1,2-Dichloroethene	4.495	96	25654	18.59	ug/l	97
23) tert-Butyl Alcohol	2.977	59	28179	95.08	ug/l #	100
24) Methyl tert-Butyl Ether	3.117	73	64617	18.37	ug/l	98
25) Chloroform	5.105	83	40041	18.37	ug/l	96
26) Cyclohexane	5.483	56	31815	17.93	ug/l #	99
29) 1,1-Dichloropropene	5.702	75	30617	18.01	ug/l	97
30) 2-Butanone	4.568	43	87351	90.78	ug/l	99
31) 2,2-Dichloropropane	4.483	77	32699	16.37	ug/l	99
32) 1,1,1-Trichloroethane	5.397	97	35457	17.68	ug/l	98
33) Carbon Tetrachloride	5.690	117	29870	17.55	ug/l	96
34) Benzene	6.050	78	92169	17.77	ug/l	98
35) Methacrylonitrile	4.928	41	18498	17.96	ug/l	93
36) 1,2-Dichloroethane	6.092	62	32106	18.13	ug/l #	96
37) Trichloroethene	7.129	130	23124	17.74	ug/l	98
38) Methylcyclohexane	7.385	83	34164	17.70	ug/l	99
39) 1,2-Dichloropropane	7.434	63	23193	17.91	ug/l	98
40) Dibromomethane	7.586	93	15679	17.40	ug/l	99
41) Bromodichloromethane	7.830	83	31641	17.59	ug/l	92
42) Vinyl Acetate	3.727	43	320759	89.26	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051321\
 Data File : VX021941.D
 Acq On : 12 May 2021 21:38
 Operator : JC/MD
 Sample : VX0513WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0513WBSD01

Manual Integrations
 APPROVED

MMDadoda
 5/13/2021 4:07:27 PM

Quant Time: May 13 06:26:36 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)
43) Ethyl Acetate	4.721	43	34518	17.65	ug/l	97
44) Isopropyl Acetate	6.348	43	57491	17.83	ug/l	99
45) 1,4-Dioxane	7.678	88	10667	370.46	ug/l #	100
46) Methyl methacrylate	7.696	41	26523	17.74	ug/l	97
47) n-amyl Acetate	10.848	43	49138	18.32	ug/l	98
48) t-1,3-Dichloropropene	8.982	75	35410	17.53	ug/l	98
49) cis-1,3-Dichloropropene	8.373	75	38413	17.72	ug/l	99
50) 1,1,2-Trichloroethane	9.159	97	22495	17.54	ug/l	93
51) Ethyl methacrylate	9.122	69	37313	18.04	ug/l	99
52) 1,3-Dichloropropane	9.311	76	40898	18.29	ug/l	99
53) Dibromochloromethane	9.525	129	23667	18.36	ug/l	98
54) 1,2-Dibromoethane	9.610	107	24177	18.35	ug/l	99
55) 2-Chloroethyl vinyl ether	8.244	63	101348	92.82	ug/l	98
56) Bromoform	10.805	173	14627	17.89	ug/l	98
58) 4-Methyl-2-Pentanone	8.580	43	174505	90.12	ug/l	99
59) 2-Hexanone	9.433	43	133121	92.82	ug/l	98
61) Tetrachloroethene	9.281	164	19155	17.59	ug/l	96
62) Toluene	8.720	91	97274	17.69	ug/l	100
64) Chlorobenzene	10.086	112	60979	18.55	ug/l	100
65) 1,1,1,2-Tetrachloroethane	10.165	131	21430	17.86	ug/l	99
66) Ethyl Benzene	10.195	91	110388	18.25	ug/l	98
67) m/p-Xylenes	10.305	106	82916	36.17	ug/l	98
68) o-Xylene	10.646	106	39766	17.81	ug/l	97
69) Styrene	10.659	104	66525	17.81	ug/l	98
70) Isopropylbenzene	10.964	105	104699	17.85	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.213	83	34697	17.94	ug/l	98
72) 1,2,3-Trichloropropane	11.244	75	31231m	18.22	ug/l	
73) Bromobenzene	11.201	156	22002	17.71	ug/l	95
74) n-propylbenzene	11.305	91	123391	18.05	ug/l	98
75) 2-Chlorotoluene	11.366	91	72800	17.98	ug/l	97
76) 1,3,5-Trimethylbenzene	11.457	105	90017	18.38	ug/l	99
77) t-1,4-Dichloro-2-butene	11.018	75	12510	18.01	ug/l	94
78) 4-Chlorotoluene	11.457	91	82725	17.75	ug/l	99
79) tert-butylbenzene	11.719	119	84513	18.05	ug/l	100
80) 1,2,4-Trimethylbenzene	11.756	105	89247	18.24	ug/l	97
81) sec-Butylbenzene	11.896	105	107518	18.27	ug/l	99
82) p-Isopropyltoluene	12.012	119	89477	18.13	ug/l	99
83) 1,3-Dichlorobenzene	11.976	146	41952	17.81	ug/l	98
84) 1,4-Dichlorobenzene	12.043	146	41973	17.77	ug/l	99
85) n-Butylbenzene	12.335	91	80171	17.73	ug/l	99
86) Hexachloroethane	12.542	117	14670	17.89	ug/l	99
87) 1,2-Dichlorobenzene	12.341	146	40912	17.93	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	12.945	75	7539	17.51	ug/l	98
89) 1,2,4-Trichlorobenzene	13.591	180	23311	16.68	ug/l	97
90) Hexachlorobutadiene	13.725	225	9902	18.31	ug/l	95
91) Naphthalene	13.780	128	97984	17.87	ug/l	99
92) 1,2,3-Trichlorobenzene	13.963	180	24815	17.89	ug/l	97

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

