

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060123\
 Data File : VX035964.D
 Acq On : 01 Jun 2023 16:58
 Operator : JC/MD
 Sample : VX0601WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0601WBSD01

Quant Time: Jun 02 01:37:10 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X052323W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue May 23 11:36:37 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John
 Carlone
 06/02/2023
 Supervised By :Semsetun
 Yesilyurt
 06/02/2023

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

Internal Standards							
1) Bromochloromethane	4.897	128	33784	30.000	ug/l	0.00	
28) 1,4-Difluorobenzene	6.763	114	199246	30.000	ug/l	0.00	
57) Chlorobenzene-d5	10.055	117	180599	30.000	ug/l	0.00	
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	5.958	65	100779	35.902	ug/l	0.00	
Spiked Amount	30.000	Range	91 - 110	Recovery	= 119.667%#		
60) 4-Bromofluorobenzene	11.079	95	97251	32.092	ug/l	0.00	
Spiked Amount	30.000	Range	63 - 112	Recovery	= 106.967%		
63) Toluene-d8	8.647	98	242608	30.387	ug/l	0.00	
Spiked Amount	30.000	Range	91 - 112	Recovery	= 101.300%		
Target Compounds							
2) Dichlorodifluoromethane	1.166	85	44306	25.646	ug/l		96
3) Chloromethane	1.294	50	41787	19.716	ug/l		94
4) Vinyl Chloride	1.374	62	41483	20.827	ug/l		99
5) Bromomethane	1.611	94	20965	15.647	ug/l		98
6) Chloroethane	1.691	64	24470	19.487	ug/l		98
7) Trichlorofluoromethane	1.886	101	65652	21.743	ug/l		94
8) Diethyl Ether	2.136	74	25080	19.978	ug/l		97
9) 1,1,2-Trichlorotrifluo...	2.331	101	38763	23.861	ug/l		94
10) 1,1-Dichloroethene	2.319	96	34726	20.505	ug/l		93
11) Methyl Iodide	2.453	142	24177	11.818	ug/l		97
12) Methyl Acetate	2.709	43	109221	22.824	ug/l		99
13) Acrolein	2.246	56	39216	103.671	ug/l		96
14) Acrylonitrile	3.069	53	133309	111.128	ug/l		99
15) Acetone	2.398	58	36569	101.917	ug/l		94
16) Carbon Disulfide	2.514	76	75680	20.591	ug/l		99
17) Allyl chloride	2.666	41	71364	20.888	ug/l		98
18) Methylene Chloride	2.788	84	42464	19.254	ug/l		98
19) trans-1,2-Dichloroethene	3.093	96	37948	19.877	ug/l		92
20) Diisopropyl ether	3.757	45	151369	20.523	ug/l		98
21) 1,1-Dichloroethane	3.611	63	82157	21.251	ug/l		100
22) cis-1,2-Dichloroethene	4.489	96	47596	20.148	ug/l		97
23) tert-Butyl Alcohol	3.014	59	56535	129.109	ug/l	#	100
24) Methyl tert-Butyl Ether	3.111	73	148499	21.756	ug/l		98
25) Chloroform	5.093	83	87591	22.079	ug/l		100
26) Cyclohexane	5.471	56	63965	21.877	ug/l	#	97
29) 1,1-Dichloropropene	5.696	75	58973	21.255	ug/l		97
30) 2-Butanone	4.568	43	200467	110.373	ug/l		99
31) 2,2-Dichloropropane	4.477	77	61970	20.789	ug/l		97
32) 1,1,1-Trichloroethane	5.379	97	72830	22.478	ug/l		99
33) Carbon Tetrachloride	5.678	117	59965	23.437	ug/l		93
34) Benzene	6.038	78	169792	19.398	ug/l		98
35) Methacrylonitrile	4.916	41	41779	21.557	ug/l		96
36) 1,2-Dichloroethane	6.086	62	76420	22.434	ug/l		98
37) Trichloroethene	7.129	130	42429	19.284	ug/l		99
38) Methylcyclohexane	7.379	83	64768	21.286	ug/l		97
39) 1,2-Dichloropropane	7.434	63	46727	19.833	ug/l		100
40) Dibromomethane	7.580	93	32123	20.159	ug/l		95
41) Bromodichloromethane	7.824	83	61828	21.463	ug/l		99
42) Vinyl Acetate	3.721	43	529692	99.286	ug/l		100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.721	43	74170	21.413	ug/l	98
44) Isopropyl Acetate	6.342	43	115018	20.371	ug/l	99
45) 1,4-Dioxane	7.714	88	24956	465.355	ug/l #	75
46) Methyl methacrylate	7.696	41	57781	21.180	ug/l	98
47) n-amyl Acetate	10.842	43	92395	19.482	ug/l	100
48) t-1,3-Dichloropropene	8.982	75	61437	19.278	ug/l	100
49) cis-1,3-Dichloropropene	8.366	75	68648	19.519	ug/l	95
50) 1,1,2-Trichloroethane	9.153	97	45161	19.810	ug/l	96
51) Ethyl methacrylate	9.116	69	69849	19.876	ug/l	99
52) 1,3-Dichloropropane	9.311	76	81903	20.616	ug/l	100
53) Dibromochloromethane	9.525	129	43284	20.703	ug/l	96
54) 1,2-Dibromoethane	9.610	107	46991	19.840	ug/l	99
55) 2-Chloroethyl vinyl ether	8.244	63	168546	90.377	ug/l	100
56) Bromoform	10.799	173	26900	19.848	ug/l	96
58) 4-Methyl-2-Pentanone	8.574	43	384004	109.469	ug/l	99
59) 2-Hexanone	9.433	43	298116	112.944	ug/l	98
61) Tetrachloroethene	9.275	164	34055	19.580	ug/l	95
62) Toluene	8.720	91	184758	19.866	ug/l	99
64) Chlorobenzene	10.079	112	113965	19.348	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.165	131	41703	20.252	ug/l	99
66) Ethyl Benzene	10.195	91	209467	20.138	ug/l	97
67) m/p-Xylenes	10.305	106	159432	40.496	ug/l	99
68) o-Xylene	10.640	106	78082	19.827	ug/l	95
69) Styrene	10.659	104	129433	19.915	ug/l	97
70) Isopropylbenzene	10.963	105	207731	20.666	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.213	83	75339	21.160	ug/l	99
72) 1,2,3-Trichloropropane	11.238	75	61835m	19.941	ug/l	
73) Bromobenzene	11.201	156	45826	18.765	ug/l	86
74) n-propylbenzene	11.305	91	243358	20.311	ug/l	99
75) 2-Chlorotoluene	11.366	91	154276	20.962	ug/l	97
76) 1,3,5-Trimethylbenzene	11.451	105	177421	20.782	ug/l	98
77) t-1,4-Dichloro-2-butene	11.018	75	16052	17.160	ug/l	83
78) 4-Chlorotoluene	11.457	91	174901	20.860	ug/l	97
79) tert-butylbenzene	11.713	119	170939	20.741	ug/l	97
80) 1,2,4-Trimethylbenzene	11.750	105	176788	20.606	ug/l	97
81) sec-Butylbenzene	11.890	105	208018	19.991	ug/l	99
82) p-Isopropyltoluene	12.012	119	174958	20.211	ug/l	98
83) 1,3-Dichlorobenzene	11.969	146	89613	19.389	ug/l	98
84) 1,4-Dichlorobenzene	12.043	146	89726	19.341	ug/l	98
85) n-Butylbenzene	12.335	91	147982	19.215	ug/l	99
86) Hexachloroethane	12.536	117	25121	18.428	ug/l	95
87) 1,2-Dichlorobenzene	12.335	146	90159	19.909	ug/l	96
88) 1,2-Dibromo-3-Chloropr...	12.945	75	16605	24.403	ug/l	89
89) 1,2,4-Trichlorobenzene	13.585	180	49430	18.213	ug/l	97
90) Hexachlorobutadiene	13.725	225	20072	20.063	ug/l	98
91) Naphthalene	13.774	128	191318	20.371	ug/l	100
92) 1,2,3-Trichlorobenzene	13.963	180	51850	19.135	ug/l	97

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

