

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060123\
 Data File : VX035949.D
 Acq On : 01 Jun 2023 10:58
 Operator : JC/MD
 Sample : VX0601WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0601WBSD01

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

Quant Time: Jun 02 01:36:03 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

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

Internal Standards						
1) Bromochloromethane	4.898	128	33973	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.757	114	183415	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	168410	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	95446	33.813	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	= 112.700%	#
60) 4-Bromofluorobenzene	11.079	95	93557	33.107	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	= 110.367%	
63) Toluene-d8	8.647	98	226454	30.416	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	= 101.400%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.167	85	41572	23.930	ug/l	99
3) Chloromethane	1.295	50	39352	18.464	ug/l	96
4) Vinyl Chloride	1.374	62	38065	19.005	ug/l	98
5) Bromomethane	1.618	94	24564	18.231	ug/l	98
6) Chloroethane	1.691	64	24717	19.575	ug/l	97
7) Trichlorofluoromethane	1.886	101	62609	20.620	ug/l	95
8) Diethyl Ether	2.130	74	25386	20.109	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.331	101	37435	22.916	ug/l	97
10) 1,1-Dichloroethene	2.319	96	33547	19.699	ug/l	96
11) Methyl Iodide	2.453	142	37511	18.233	ug/l	98
12) Methyl Acetate	2.709	43	102195	21.237	ug/l	98
13) Acrolein	2.239	56	45480	119.561	ug/l	100
14) Acrylonitrile	3.069	53	124264	103.012	ug/l	98
15) Acetone	2.398	58	36997	102.536	ug/l	89
16) Carbon Disulfide	2.514	76	73869	19.987	ug/l	99
17) Allyl chloride	2.666	41	70639	20.560	ug/l	96
18) Methylene Chloride	2.788	84	42784	19.291	ug/l	98
19) trans-1,2-Dichloroethene	3.093	96	36766	19.151	ug/l	94
20) Diisopropyl ether	3.757	45	149847	20.203	ug/l	94
21) 1,1-Dichloroethane	3.605	63	78091	20.087	ug/l	99
22) cis-1,2-Dichloroethene	4.483	96	45564	19.181	ug/l	97
23) tert-Butyl Alcohol	3.020	59	55920m	126.994	ug/l	
24) Methyl tert-Butyl Ether	3.111	73	147838	21.539	ug/l	94
25) Chloroform	5.087	83	84468	21.173	ug/l	100
26) Cyclohexane	5.471	56	61318	20.855	ug/l #	99
29) 1,1-Dichloropropene	5.684	75	56331	22.055	ug/l	97
30) 2-Butanone	4.562	43	190060	113.675	ug/l	99
31) 2,2-Dichloropropane	4.477	77	62510	22.780	ug/l	95
32) 1,1,1-Trichloroethane	5.379	97	70648	23.686	ug/l	100
33) Carbon Tetrachloride	5.678	117	55922	23.744	ug/l	99
34) Benzene	6.038	78	163658	20.311	ug/l	95
35) Methacrylonitrile	4.916	41	39552	22.169	ug/l	99
36) 1,2-Dichloroethane	6.080	62	75105	23.951	ug/l	98
37) Trichloroethene	7.123	130	41027	20.257	ug/l	91
38) Methylcyclohexane	7.379	83	61116	21.819	ug/l	95
39) 1,2-Dichloropropane	7.428	63	44358	20.453	ug/l	94
40) Dibromomethane	7.580	93	32421	22.102	ug/l	96
41) Bromodichloromethane	7.818	83	61570	23.219	ug/l	99
42) Vinyl Acetate	3.721	43	533428	108.616	ug/l	100

06/02/2023
 Supervised By :Semsettin
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06/02/2023

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
43) Ethyl Acetate	4.715	43	66221	20.768	ug/l	#	83
44) Isopropyl Acetate	6.336	43	111510	21.454	ug/l		99
45) 1,4-Dioxane	7.726	88	24678	499.890	ug/l	#	29
46) Methyl methacrylate	7.690	41	56169	22.366	ug/l		96
47) n-amyl Acetate	10.842	43	90928	20.828	ug/l		98
48) t-1,3-Dichloropropene	8.976	75	63749	21.730	ug/l		97
49) cis-1,3-Dichloropropene	8.366	75	68151	21.050	ug/l		93
50) 1,1,2-Trichloroethane	9.147	97	45152	21.515	ug/l		99
51) Ethyl methacrylate	9.116	69	69409	21.456	ug/l		97
52) 1,3-Dichloropropane	9.305	76	80115	21.906	ug/l		99
53) Dibromochloromethane	9.519	129	44339	23.039	ug/l		97
54) 1,2-Dibromoethane	9.610	107	46554	21.352	ug/l		99
55) 2-Chloroethyl vinyl ether	8.238	63	190506	110.970	ug/l		99
56) Bromoform	10.799	173	26661	21.370	ug/l		94
58) 4-Methyl-2-Pentanone	8.574	43	358679	109.650	ug/l		99
59) 2-Hexanone	9.427	43	274174	111.391	ug/l		99
61) Tetrachloroethene	9.275	164	34209	21.092	ug/l		96
62) Toluene	8.714	91	176172	20.313	ug/l		99
64) Chlorobenzene	10.080	112	111612	20.320	ug/l		99
65) 1,1,1,2-Tetrachloroethane	10.159	131	41072	21.389	ug/l		99
66) Ethyl Benzene	10.195	91	202507	20.878	ug/l		99
67) m/p-Xylenes	10.299	106	152922	41.653	ug/l		97
68) o-Xylene	10.640	106	74812	20.372	ug/l		94
69) Styrene	10.653	104	125833	20.762	ug/l		97
70) Isopropylbenzene	10.964	105	199654	21.300	ug/l		98
71) 1,1,2,2-Tetrachloroethane	11.213	83	71807	21.628	ug/l		99
72) 1,2,3-Trichloropropane	11.238	75	61193m	21.163	ug/l		
73) Bromobenzene	11.195	156	48351	21.232	ug/l		95
74) n-propylbenzene	11.305	91	236796	21.194	ug/l		100
75) 2-Chlorotoluene	11.360	91	148477	21.634	ug/l		99
76) 1,3,5-Trimethylbenzene	11.451	105	173275	21.766	ug/l		99
77) t-1,4-Dichloro-2-butene	11.018	75	17125	19.632	ug/l		82
78) 4-Chlorotoluene	11.451	91	170452	21.801	ug/l		100
79) tert-butylbenzene	11.713	119	164155	21.359	ug/l		97
80) 1,2,4-Trimethylbenzene	11.750	105	171682	21.459	ug/l		99
81) sec-Butylbenzene	11.890	105	202762	20.896	ug/l		100
82) p-Isopropyltoluene	12.006	119	172764	21.402	ug/l		99
83) 1,3-Dichlorobenzene	11.969	146	92102	21.369	ug/l		99
84) 1,4-Dichlorobenzene	12.043	146	92953	21.487	ug/l		100
85) n-Butylbenzene	12.329	91	146215	20.360	ug/l		99
86) Hexachloroethane	12.536	117	25889	20.366	ug/l		96
87) 1,2-Dichlorobenzene	12.335	146	91933	21.770	ug/l		98
88) 1,2-Dibromo-3-Chloropr...	12.945	75	15775	24.861	ug/l		94
89) 1,2,4-Trichlorobenzene	13.585	180	54790	21.649	ug/l		97
90) Hexachlorobutadiene	13.725	225	21374	22.910	ug/l		96
91) Naphthalene	13.774	128	196136	22.395	ug/l		99
92) 1,2,3-Trichlorobenzene	13.957	180	52549	20.796	ug/l		97

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

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