

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061424\
 Data File : VX041875.D
 Acq On : 14 Jun 2024 14:06
 Operator : JC/MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC100

Quant Time: Jun 15 03:40:30 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X061424W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Jun 15 03:37:34 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 06/17/2024
 Supervised By : Mahesh Dadoda 06/17/2024

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

Internal Standards						
1) Bromochloromethane	4.904	128	29746	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	179425	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	165184	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	63027	30.780	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 102.600%			
60) 4-Bromofluorobenzene	11.079	95	77348	30.250	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 100.833%			
63) Toluene-d8	8.647	98	209772	29.683	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 98.933%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	204587	106.249	ug/l	97
3) Chloromethane	1.301	50	219864	102.146	ug/l	98
4) Vinyl Chloride	1.374	62	223516	106.187	ug/l	99
5) Bromomethane	1.599	94	116761	103.768	ug/l	100
6) Chloroethane	1.666	64	90175	100.270	ug/l	99
7) Trichlorofluoromethane	1.861	101	272113	102.649	ug/l	100
8) Diethyl Ether	2.136	74	121696	106.078	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.313	101	189783	105.310	ug/l	99
10) 1,1-Dichloroethene	2.307	96	192642	105.970	ug/l	97
11) Methyl Iodide	2.441	142	260011	109.892	ug/l	99
12) Methyl Acetate	2.715	43	241042	103.999	ug/l	99
13) Acrolein	2.246	56	247577	529.767	ug/l	100
14) Acrylonitrile	3.075	53	582080	529.134	ug/l	97
15) Acetone	2.398	58	156553	497.481	ug/l	93
16) Carbon Disulfide	2.502	76	462230	116.021	ug/l	100
17) Allyl chloride	2.660	41	292400	105.907	ug/l	100
18) Methylene Chloride	2.782	84	210467	100.935	ug/l	96
19) trans-1,2-Dichloroethene	3.087	96	195831	107.535	ug/l	98
20) Diisopropyl ether	3.770	45	600684	105.849	ug/l	95
21) 1,1-Dichloroethane	3.605	63	344941	106.411	ug/l	99
22) cis-1,2-Dichloroethene	4.489	96	236111	107.107	ug/l	98
23) tert-Butyl Alcohol	3.014	59	222459	515.531	ug/l #	100
24) Methyl tert-Butyl Ether	3.123	73	603510	107.321	ug/l	99
25) Chloroform	5.099	83	348287	105.722	ug/l	99
26) Cyclohexane	5.464	56	303143	107.669	ug/l #	99
29) 1,1-Dichloropropene	5.690	75	242064	103.367	ug/l	99
30) 2-Butanone	4.574	43	798232	510.140	ug/l	100
31) 2,2-Dichloropropane	4.471	77	270872	105.563	ug/l	99
32) 1,1,1-Trichloroethane	5.379	97	310752	104.731	ug/l	99
33) Carbon Tetrachloride	5.672	117	272885	106.587	ug/l	97
34) Benzene	6.038	78	791283	101.432	ug/l	99
35) Methacrylonitrile	4.928	41	162637	103.481	ug/l	94
36) 1,2-Dichloroethane	6.086	62	245525	101.028	ug/l	99
37) Trichloroethene	7.123	130	220777	103.611	ug/l	99
38) Methylcyclohexane	7.379	83	325323	104.881	ug/l	98
39) 1,2-Dichloropropane	7.434	63	191396	102.998	ug/l	99
40) Dibromomethane	7.580	93	140651	102.318	ug/l	98
41) Bromodichloromethane	7.824	83	263798	107.118	ug/l	99
42) Vinyl Acetate	3.727	43	2742722	523.669	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.727	43	299153	101.965	ug/l	98
44) Isopropyl Acetate	6.348	43	458292	104.292	ug/l	100
45) 1,4-Dioxane	7.665	88	111048m	2038.287	ug/l	
46) Methyl methacrylate	7.696	41	228795	106.489	ug/l	99
47) n-amyl Acetate	10.842	43	427667	108.440	ug/l	97
48) t-1,3-Dichloropropene	8.976	75	278980	110.024	ug/l	100
49) cis-1,3-Dichloropropene	8.366	75	310282	109.091	ug/l	98
50) 1,1,2-Trichloroethane	9.153	97	200396	100.258	ug/l	99
51) Ethyl methacrylate	9.116	69	340911	107.364	ug/l	100
52) 1,3-Dichloropropane	9.305	76	328930	100.660	ug/l	99
53) Dibromochloromethane	9.519	129	237516	108.584	ug/l	99
54) 1,2-Dibromoethane	9.610	107	213141	101.119	ug/l	99
55) 2-Chloroethyl vinyl ether	8.244	63	756694	511.985	ug/l	100
56) Bromoform	10.799	173	197234	110.580	ug/l	99
58) 4-Methyl-2-Pentanone	8.580	43	1515292	511.930	ug/l	99
59) 2-Hexanone	9.433	43	1189022	520.450	ug/l	98
61) Tetrachloroethene	9.275	164	210457	101.251	ug/l	98
62) Toluene	8.720	91	857149	102.543	ug/l	100
64) Chlorobenzene	10.079	112	579675	101.839	ug/l	100
65) 1,1,1,2-Tetrachloroethane	10.165	131	207951	105.782	ug/l	98
66) Ethyl Benzene	10.195	91	946185	103.537	ug/l	100
67) m/p-Xylenes	10.299	106	762630	207.469	ug/l	97
68) o-Xylene	10.640	106	379262	103.487	ug/l	98
69) Styrene	10.653	104	651272	106.344	ug/l	99
70) Isopropylbenzene	10.963	105	955589	103.703	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.213	83	326039	102.237	ug/l	99
72) 1,2,3-Trichloropropane	11.238	75	260198m	95.190	ug/l	
73) Bromobenzene	11.201	156	278902	103.765	ug/l	99
74) n-propylbenzene	11.305	91	1062778	104.993	ug/l	99
75) 2-Chlorotoluene	11.366	91	652331	101.487	ug/l	98
76) 1,3,5-Trimethylbenzene	11.451	105	802324	103.930	ug/l	99
77) t-1,4-Dichloro-2-butene	11.018	75	110743	115.896	ug/l	87
78) 4-Chlorotoluene	11.451	91	742001	103.916	ug/l	99
79) tert-butylbenzene	11.713	119	858272	104.739	ug/l	99
80) 1,2,4-Trimethylbenzene	11.750	105	813310	105.455	ug/l	99
81) sec-Butylbenzene	11.890	105	1004438	105.093	ug/l	99
82) p-Isopropyltoluene	12.006	119	896373	107.024	ug/l	100
83) 1,3-Dichlorobenzene	11.969	146	498166	103.949	ug/l	99
84) 1,4-Dichlorobenzene	12.043	146	506437	106.164	ug/l	99
85) n-Butylbenzene	12.329	91	723755	111.750	ug/l	100
86) Hexachloroethane	12.536	117	152294	111.344	ug/l	99
87) 1,2-Dichlorobenzene	12.335	146	509026	105.025	ug/l	100
88) 1,2-Dibromo-3-Chloropr...	12.939	75	73377	111.240	ug/l	97
89) 1,2,4-Trichlorobenzene	13.585	180	371090	113.108	ug/l	98
90) Hexachlorobutadiene	13.725	225	167043	103.325	ug/l	97
91) Naphthalene	13.774	128	1120659	113.047	ug/l	100
92) 1,2,3-Trichlorobenzene	13.963	180	377278	111.037	ug/l	98

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

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