

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX010723\
 Data File : VX033650.D
 Acq On : 07 Jan 2023 00:13
 Operator : JC/MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC100

Quant Time: Jan 07 05:52:10 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X010723W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Jan 07 05:49:19 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 01/09/2023
 Supervised By : Mahesh Dadoda 01/09/2023

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

Internal Standards						
1) Bromochloromethane	4.898	128	17632	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	113970	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	127180	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	39877	25.883	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	86.267%#		
60) 4-Bromofluorobenzene	11.079	95	67890	28.993	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	96.633%		
63) Toluene-d8	8.647	98	120446	28.703	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	95.667%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.167	85	176309	125.438	ug/l	98
3) Chloromethane	1.295	50	196600	134.698	ug/l	99
4) Vinyl Chloride	1.374	62	190495	119.499	ug/l	99
5) Bromomethane	1.618	94	94872	85.029	ug/l	99
6) Chloroethane	1.691	64	103425	92.718	ug/l	99
7) Trichlorofluoromethane	1.886	101	256610	82.816	ug/l	98
8) Diethyl Ether	2.136	74	83868	89.312	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.331	101	125741	82.201	ug/l	99
10) 1,1-Dichloroethene	2.319	96	120626	83.533	ug/l	96
11) Methyl Iodide	2.453	142	197674	110.793	ug/l	97
12) Methyl Acetate	2.709	43	283197	124.683	ug/l	96
13) Acrolein	2.246	56	136040	426.852	ug/l	100
14) Acrylonitrile	3.069	53	460256	563.901	ug/l	99
15) Acetone	2.404	58	87507	358.911	ug/l	96
16) Carbon Disulfide	2.514	76	337650	85.484	ug/l	99
17) Allyl chloride	2.666	41	273330	106.293	ug/l	96
18) Methylene Chloride	2.788	84	186046	104.294	ug/l	94
19) trans-1,2-Dichloroethene	3.093	96	179292	100.228	ug/l	91
20) Diisopropyl ether	3.758	45	585104	106.609	ug/l	91
21) 1,1-Dichloroethane	3.611	63	324219	102.300	ug/l	99
22) cis-1,2-Dichloroethene	4.489	96	209217	100.391	ug/l	97
23) tert-Butyl Alcohol	3.093	59	174944m	511.742	ug/l	
24) Methyl tert-Butyl Ether	3.111	73	568164	101.500	ug/l	96
25) Chloroform	5.093	83	323584	91.829	ug/l	97
26) Cyclohexane	5.471	56	300587	106.888	ug/l #	99
29) 1,1-Dichloropropene	5.696	75	247367	106.384	ug/l	98
30) 2-Butanone	4.568	43	635455	576.446	ug/l #	97
31) 2,2-Dichloropropane	4.477	77	222377	94.925	ug/l	99
32) 1,1,1-Trichloroethane	5.385	97	293315	100.294	ug/l	97
33) Carbon Tetrachloride	5.678	117	265185	99.503	ug/l	98
34) Benzene	6.038	78	724318	108.751	ug/l	99
35) Methacrylonitrile	4.922	41	146852	124.871	ug/l	96
36) 1,2-Dichloroethane	6.086	62	254755	100.756	ug/l	98
37) Trichloroethene	7.129	130	209535	110.712	ug/l	96
38) Methylcyclohexane	7.379	83	315186	113.708	ug/l	99
39) 1,2-Dichloropropane	7.428	63	186527	111.238	ug/l	97
40) Dibromomethane	7.580	93	129959	103.078	ug/l	98
41) Bromodichloromethane	7.824	83	255760	100.710	ug/l	99
42) Vinyl Acetate	3.721	43	2325581	597.581	ug/l	98

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43) Ethyl Acetate	4.715	43	259136	123.879	ug/l	97
44) Isopropyl Acetate	6.342	43	425146	124.400	ug/l	98
45) 1,4-Dioxane	7.745	88	89165	2260.715	ug/l #	1
46) Methyl methacrylate	7.690	41	213784	124.211	ug/l	98
47) n-amyl Acetate	10.842	43	364807	126.284	ug/l	98
48) t-1,3-Dichloropropene	8.976	75	276882	108.779	ug/l	97
49) cis-1,3-Dichloropropene	8.366	75	300831	109.128	ug/l	97
50) 1,1,2-Trichloroethane	9.153	97	188462	107.734	ug/l	98
51) Ethyl methacrylate	9.116	69	290260	114.563	ug/l	98
52) 1,3-Dichloropropane	9.311	76	313605	108.872	ug/l	100
53) Dibromochloromethane	9.519	129	215968	105.445	ug/l	97
54) 1,2-Dibromoethane	9.610	107	202913	106.523	ug/l	98
55) 2-Chloroethyl vinyl ether	8.245	63	729208	603.362	ug/l	99
56) Bromoform	10.799	173	168631	112.403	ug/l	98
58) 4-Methyl-2-Pentanone	8.574	43	1238514	577.225	ug/l	97
59) 2-Hexanone	9.433	43	911461	566.503	ug/l	98
61) Tetrachloroethene	9.275	164	186280	109.092	ug/l	98
62) Toluene	8.720	91	800778	103.735	ug/l	97
64) Chlorobenzene	10.080	112	521895	106.561	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.165	131	199705	104.479	ug/l	98
66) Ethyl Benzene	10.195	91	907135	104.527	ug/l	98
67) m/p-Xylenes	10.299	106	715166	209.674	ug/l	98
68) o-Xylene	10.640	106	351220	105.710	ug/l	98
69) Styrene	10.653	104	584657	106.083	ug/l	99
70) Isopropylbenzene	10.964	105	906320	103.373	ug/l	98
71) 1,1,2,2-Tetrachloroethane	11.214	83	267284	102.475	ug/l	99
72) 1,2,3-Trichloropropane	11.238	75	244503m	105.639	ug/l	
73) Bromobenzene	11.195	156	240353	109.257	ug/l	98
74) n-propylbenzene	11.305	91	1030887	102.771	ug/l	100
75) 2-Chlorotoluene	11.366	91	604557	100.387	ug/l	99
76) 1,3,5-Trimethylbenzene	11.451	105	742461	100.978	ug/l	99
77) t-1,4-Dichloro-2-butene	11.018	75	82533	110.604	ug/l	85
78) 4-Chlorotoluene	11.457	91	685983	100.021	ug/l	99
79) tert-butylbenzene	11.713	119	767324	104.638	ug/l	99
80) 1,2,4-Trimethylbenzene	11.750	105	741200	102.594	ug/l	98
81) sec-Butylbenzene	11.890	105	941432	106.737	ug/l	100
82) p-Isopropyltoluene	12.012	119	815227	108.089	ug/l	99
83) 1,3-Dichlorobenzene	11.969	146	440349	109.477	ug/l	99
84) 1,4-Dichlorobenzene	12.043	146	437767	108.039	ug/l	99
85) n-Butylbenzene	12.329	91	678133	108.079	ug/l	98
86) Hexachloroethane	12.536	117	140235	107.424	ug/l	100
87) 1,2-Dichlorobenzene	12.335	146	423431	107.422	ug/l	100
88) 1,2-Dibromo-3-Chloropr...	12.945	75	58012	104.013	ug/l	91
89) 1,2,4-Trichlorobenzene	13.585	180	304967	121.322	ug/l	99
90) Hexachlorobutadiene	13.725	225	142472	131.089	ug/l	99
91) Naphthalene	13.774	128	882635	110.706	ug/l	100
92) 1,2,3-Trichlorobenzene	13.963	180	301355	120.126	ug/l	100

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

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