

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092723\
 Data File : VX037933.D
 Acq On : 27 Sep 2023 19:36
 Operator : JC/MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC100

Quant Time: Sep 28 05:46:38 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X092723W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Sep 28 03:42:12 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 09/28/2023
 Supervised By : Mahesh Dadoda 09/28/2023

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

Internal Standards						
1) Bromochloromethane	4.903	128	46714	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	262636	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	255033	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	100349	29.801	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	99.333%		
60) 4-Bromofluorobenzene	11.079	95	127793	30.738	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	102.467%		
63) Toluene-d8	8.653	98	329226	29.904	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	99.667%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	232516	94.950	ug/l	100
3) Chloromethane	1.294	50	250615	95.560	ug/l	95
4) Vinyl Chloride	1.374	62	280347	95.490	ug/l	97
5) Bromomethane	1.599	94	213182	94.257	ug/l	98
6) Chloroethane	1.678	64	187369m	95.029	ug/l	
7) Trichlorofluoromethane	1.886	101	464150	95.776	ug/l	100
8) Diethyl Ether	2.136	74	172894	96.702	ug/l	85
9) 1,1,2-Trichlorotrifluo...	2.331	101	238049	96.347	ug/l	99
10) 1,1-Dichloroethene	2.319	96	235431	97.342	ug/l	93
11) Methyl Iodide	2.453	142	328587	100.383	ug/l	98
12) Methyl Acetate	2.703	43	478094	97.253	ug/l	97
13) Acrolein	2.233	56	283335	499.451	ug/l	96
14) Acrylonitrile	3.062	53	665754	490.495	ug/l	98
15) Acetone	2.380	58	183411	467.161	ug/l	87
16) Carbon Disulfide	2.514	76	599122	101.515	ug/l	97
17) Allyl chloride	2.666	41	365661	98.753	ug/l	94
18) Methylene Chloride	2.788	84	276653	95.438	ug/l	95
19) trans-1,2-Dichloroethene	3.093	96	265636	97.446	ug/l	94
20) Diisopropyl ether	3.757	45	774688	97.999	ug/l	90
21) 1,1-Dichloroethane	3.611	63	465199	97.401	ug/l	99
22) cis-1,2-Dichloroethene	4.489	96	318107	98.282	ug/l	95
23) tert-Butyl Alcohol	2.965	59	282259	498.555	ug/l #	1
24) Methyl tert-Butyl Ether	3.111	73	818081	97.724	ug/l	96
25) Chloroform	5.092	83	513732	97.806	ug/l	98
26) Cyclohexane	5.470	56	396690	97.596	ug/l #	96
29) 1,1-Dichloropropene	5.696	75	373027	98.255	ug/l	97
30) 2-Butanone	4.556	43	885057	485.762	ug/l	96
31) 2,2-Dichloropropane	4.477	77	380776	99.557	ug/l	98
32) 1,1,1-Trichloroethane	5.385	97	452929	99.562	ug/l	97
33) Carbon Tetrachloride	5.678	117	400066	102.732	ug/l	98
34) Benzene	6.037	78	1101536	97.126	ug/l	97
35) Methacrylonitrile	4.916	41	190738	99.573	ug/l	95
36) 1,2-Dichloroethane	6.086	62	385435	96.072	ug/l	98
37) Trichloroethene	7.123	130	306624	98.003	ug/l	95
38) Methylcyclohexane	7.379	83	471858	98.882	ug/l	95
39) 1,2-Dichloropropane	7.427	63	282121	97.233	ug/l	97
40) Dibromomethane	7.580	93	210985	98.546	ug/l	96
41) Bromodichloromethane	7.824	83	400254	102.397	ug/l	99
42) Vinyl Acetate	3.721	43	2862007	498.294	ug/l	97

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43) Ethyl Acetate	4.708	43	356209	98.894	ug/l	97
44) Isopropyl Acetate	6.336	43	598155	100.380	ug/l	96
45) 1,4-Dioxane	7.659	88	138983	2024.021	ug/l #	1
46) Methyl methacrylate	7.690	41	287450	101.479	ug/l	93
47) n-amyl Acetate	10.841	43	586519	104.618	ug/l	97
48) t-1,3-Dichloropropene	8.976	75	445410	104.893	ug/l	97
49) cis-1,3-Dichloropropene	8.366	75	469374	102.928	ug/l	94
50) 1,1,2-Trichloroethane	9.153	97	301426	98.520	ug/l	97
51) Ethyl methacrylate	9.116	69	457999	101.594	ug/l	96
52) 1,3-Dichloropropane	9.311	76	483239	98.461	ug/l	100
53) Dibromochloromethane	9.525	129	334323	106.026	ug/l	100
54) 1,2-Dibromoethane	9.610	107	330185	99.452	ug/l	98
55) 2-Chloroethyl vinyl ether	8.244	63	1131970	515.098	ug/l	97
56) Bromoform	10.799	173	260842	109.985	ug/l	98
58) 4-Methyl-2-Pentanone	8.574	43	1821851	487.991	ug/l	94
59) 2-Hexanone	9.433	43	1411319	497.780	ug/l	94
61) Tetrachloroethene	9.275	164	261727	96.434	ug/l	98
62) Toluene	8.720	91	1259799	95.228	ug/l	98
64) Chlorobenzene	10.079	112	806389	97.713	ug/l	100
65) 1,1,1,2-Tetrachloroethane	10.165	131	304515	101.653	ug/l	98
66) Ethyl Benzene	10.195	91	1430025	97.943	ug/l	96
67) m/p-Xylenes	10.299	106	1125919	195.755	ug/l	99
68) o-Xylene	10.640	106	556798	99.967	ug/l	100
69) Styrene	10.652	104	948767	101.536	ug/l	97
70) Isopropylbenzene	10.963	105	1456695	98.546	ug/l	98
71) 1,1,2,2-Tetrachloroethane	11.213	83	485631	99.682	ug/l	100
72) 1,2,3-Trichloropropane	11.238	75	439890m	102.835	ug/l	
73) Bromobenzene	11.201	156	376662	100.462	ug/l	92
74) n-propylbenzene	11.305	91	1745530	98.843	ug/l	99
75) 2-Chlorotoluene	11.366	91	1027510	99.385	ug/l	97
76) 1,3,5-Trimethylbenzene	11.451	105	1286515	100.926	ug/l	100
77) t-1,4-Dichloro-2-butene	11.018	75	155279	114.617	ug/l	87
78) 4-Chlorotoluene	11.451	91	1211400	99.884	ug/l	97
79) tert-butylbenzene	11.713	119	1275279	101.647	ug/l	96
80) 1,2,4-Trimethylbenzene	11.750	105	1276930	100.768	ug/l	100
81) sec-Butylbenzene	11.890	105	1626378	100.802	ug/l	100
82) p-Isopropyltoluene	12.006	119	1381038	101.954	ug/l	99
83) 1,3-Dichlorobenzene	11.969	146	734676	101.413	ug/l	99
84) 1,4-Dichlorobenzene	12.042	146	744111	101.366	ug/l	99
85) n-Butylbenzene	12.335	91	1313209	103.618	ug/l	99
86) Hexachloroethane	12.536	117	243139	110.171	ug/l	93
87) 1,2-Dichlorobenzene	12.335	146	711091	99.625	ug/l	97
88) 1,2-Dibromo-3-Chloropr...	12.939	75	100976	104.060	ug/l	83
89) 1,2,4-Trichlorobenzene	13.585	180	489284	100.754	ug/l	99
90) Hexachlorobutadiene	13.725	225	216622	101.538	ug/l	97
91) Naphthalene	13.774	128	1491175	101.245	ug/l	100
92) 1,2,3-Trichlorobenzene	13.963	180	480494	101.631	ug/l	99

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

