

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX010824\
 Data File : VX039668.D
 Acq On : 08 Jan 2024 17:52
 Operator : JC/MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC100

Quant Time: Jan 09 06:05:39 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X010824W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Jan 09 05:58:07 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 01/09/2024
 Supervised By : Mahesh Dadoda 01/09/2024

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

Internal Standards						
1) Bromochloromethane	4.891	128	8572m	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.757	114	66749	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	81541	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	39355	29.285	ug/l	0.00
Spiked Amount 30.000	Range	91 - 110	Recovery	=	97.633%	
60) 4-Bromofluorobenzene	11.079	95	55672	30.955	ug/l	0.00
Spiked Amount 30.000	Range	63 - 112	Recovery	=	103.200%	
63) Toluene-d8	8.647	98	99660	29.727	ug/l	0.00
Spiked Amount 30.000	Range	91 - 112	Recovery	=	99.100%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	144765	99.962	ug/l	97
3) Chloromethane	1.294	50	156766	97.432	ug/l	97
4) Vinyl Chloride	1.374	62	156028	99.363	ug/l	97
5) Bromomethane	1.593	94	70563	94.037	ug/l	100
6) Chloroethane	1.660	64	61798	86.660	ug/l	96
7) Trichlorofluoromethane	1.868	101	219542	99.010	ug/l	96
8) Diethyl Ether	2.136	74	80874	97.478	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.319	101	132421	97.502	ug/l	98
10) 1,1-Dichloroethene	2.313	96	128487	98.737	ug/l	97
11) Methyl Iodide	2.447	142	159757	112.033	ug/l	99
12) Methyl Acetate	2.703	43	202956	96.839	ug/l	99
13) Acrolein	2.233	56	142953	457.154	ug/l	100
14) Acrylonitrile	3.062	53	462516	481.231	ug/l	99
15) Acetone	2.386	58	145210	478.991	ug/l	96
16) Carbon Disulfide	2.502	76	359618	102.504	ug/l	98
17) Allyl chloride	2.660	41	260502	101.518	ug/l	95
18) Methylene Chloride	2.788	84	150779	99.118	ug/l	99
19) trans-1,2-Dichloroethene	3.087	96	134123	97.133	ug/l	95
20) Diisopropyl ether	3.757	45	493420	98.512	ug/l	98
21) 1,1-Dichloroethane	3.605	63	273749	97.885	ug/l	100
22) cis-1,2-Dichloroethene	4.483	96	159586	98.873	ug/l	95
23) tert-Butyl Alcohol	3.014	59	226191	499.687	ug/l #	100
24) Methyl tert-Butyl Ether	3.111	73	470766	98.701	ug/l	96
25) Chloroform	5.093	83	273075	99.493	ug/l	96
26) Cyclohexane	5.464	56	236792	97.602	ug/l #	97
29) 1,1-Dichloropropene	5.690	75	199537	104.169	ug/l	98
30) 2-Butanone	4.556	43	699121	508.880	ug/l	99
31) 2,2-Dichloropropane	4.471	77	227338	106.748	ug/l	99
32) 1,1,1-Trichloroethane	5.379	97	237388	107.228	ug/l	98
33) Carbon Tetrachloride	5.678	117	192265	110.164	ug/l	97
34) Benzene	6.031	78	580793	102.210	ug/l	98
35) Methacrylonitrile	4.922	41	138395	104.694	ug/l	97
36) 1,2-Dichloroethane	6.086	62	232518	104.350	ug/l	97
37) Trichloroethene	7.123	130	140038	103.727	ug/l	100
38) Methylcyclohexane	7.379	83	241626	103.101	ug/l	96
39) 1,2-Dichloropropane	7.427	63	156673	102.329	ug/l	98
40) Dibromomethane	7.580	93	108980	105.377	ug/l	97
41) Bromodichloromethane	7.824	83	209506	109.321	ug/l	98
42) Vinyl Acetate	3.721	43	2380833	524.130	ug/l	99

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43) Ethyl Acetate	4.715	43	263925	102.492	ug/l	100
44) Isopropyl Acetate	6.342	43	424220	106.566	ug/l	97
45) 1,4-Dioxane	7.671	88	77683	2024.062	ug/l	98
46) Methyl methacrylate	7.696	41	204590	107.011	ug/l	97
47) n-amyl Acetate	10.842	43	388616	111.781	ug/l	99
48) t-1,3-Dichloropropene	8.976	75	235445	114.150	ug/l	96
49) cis-1,3-Dichloropropene	8.366	75	250198	110.761	ug/l	93
50) 1,1,2-Trichloroethane	9.153	97	146076	103.040	ug/l	98
51) Ethyl methacrylate	9.116	69	255744	107.993	ug/l	98
52) 1,3-Dichloropropane	9.305	76	252375	103.163	ug/l	99
53) Dibromochloromethane	9.519	129	147753	111.993	ug/l	97
54) 1,2-Dibromoethane	9.610	107	155200	104.460	ug/l	100
55) 2-Chloroethyl vinyl ether	8.244	63	591659	513.449	ug/l	100
56) Bromoform	10.799	173	104329	117.404	ug/l	98
58) 4-Methyl-2-Pentanone	8.580	43	1337891	498.814	ug/l	99
59) 2-Hexanone	9.433	43	1080401	497.622	ug/l	98
61) Tetrachloroethene	9.269	164	107286	99.327	ug/l	93
62) Toluene	8.714	91	607198	100.447	ug/l	100
64) Chlorobenzene	10.079	112	358587	102.027	ug/l	100
65) 1,1,1,2-Tetrachloroethane	10.165	131	133296	106.678	ug/l	98
66) Ethyl Benzene	10.195	91	685780	103.314	ug/l	100
67) m/p-Xylenes	10.299	106	493980	203.737	ug/l	97
68) o-Xylene	10.640	106	243515	100.042	ug/l	95
69) Styrene	10.653	104	410793	105.564	ug/l	98
70) Isopropylbenzene	10.963	105	656620	102.204	ug/l	98
71) 1,1,2,2-Tetrachloroethane	11.213	83	253606	102.773	ug/l	98
72) 1,2,3-Trichloropropane	11.238	75	215049m	102.172	ug/l	
73) Bromobenzene	11.195	156	142878	100.729	ug/l	92
74) n-propylbenzene	11.305	91	812499	106.069	ug/l	99
75) 2-Chlorotoluene	11.366	91	484522	101.815	ug/l	99
76) 1,3,5-Trimethylbenzene	11.451	105	561553	102.314	ug/l	99
77) t-1,4-Dichloro-2-butene	11.018	75	82891	122.377	ug/l	87
78) 4-Chlorotoluene	11.451	91	554087	104.977	ug/l	96
79) tert-butylbenzene	11.713	119	538864	103.616	ug/l	96
80) 1,2,4-Trimethylbenzene	11.750	105	569677	104.586	ug/l	98
81) sec-Butylbenzene	11.890	105	703386	105.239	ug/l	99
82) p-Isopropyltoluene	12.006	119	568482	106.871	ug/l	99
83) 1,3-Dichlorobenzene	11.969	146	276241	104.197	ug/l	98
84) 1,4-Dichlorobenzene	12.043	146	276627	105.201	ug/l	99
85) n-Butylbenzene	12.329	91	549906	112.952	ug/l	98
86) Hexachloroethane	12.536	117	104726	115.078	ug/l	97
87) 1,2-Dichlorobenzene	12.335	146	268809	101.176	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	12.939	75	66194	112.027	ug/l	94
89) 1,2,4-Trichlorobenzene	13.585	180	167087	111.545	ug/l	99
90) Hexachlorobutadiene	13.725	225	68111	103.867	ug/l	98
91) Naphthalene	13.774	128	645867	110.517	ug/l	99
92) 1,2,3-Trichlorobenzene	13.957	180	167920	108.270	ug/l	98

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

