

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021822\
 Data File : VX027096.D
 Acq On : 17 Feb 2022 23:31
 Operator : JC/MD
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC150

Quant Time: Feb 18 04:55:52 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X021822W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Feb 18 04:52:41 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 02/18/2022
 Supervised By : Mahesh Dadoda 02/21/2022

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

Internal Standards						
1) Bromochloromethane	4.904	128	13767	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.769	114	78145	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	67839	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.964	65	29838	28.326	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	94.433%		
60) 4-Bromofluorobenzene	11.085	95	34126	30.581	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	101.933%		
63) Toluene-d8	8.653	98	89792	29.467	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	98.233%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	121650	147.660	ug/l	97
3) Chloromethane	1.294	50	114003	127.029	ug/l	99
4) Vinyl Chloride	1.374	62	116273	129.523	ug/l	98
5) Bromomethane	1.599	94	45390	88.300	ug/l	98
6) Chloroethane	1.672	64	67090	119.455	ug/l	98
7) Trichlorofluoromethane	1.880	101	181274	125.865	ug/l	96
8) Diethyl Ether	2.136	74	63308	123.011	ug/l	94
9) 1,1,2-Trichlorotrifluo...	2.331	101	125149	149.411	ug/l	99
10) 1,1-Dichloroethene	2.319	96	123884	152.215	ug/l	98
11) Methyl Iodide	2.453	142	179401	159.163	ug/l	99
12) Methyl Acetate	2.709	43	174566	144.715	ug/l	98
13) Acrolein	2.239	56	151854	1078.397	ug/l	99
14) Acrylonitrile	3.069	53	379100	710.255	ug/l	99
15) Acetone	2.386	58	100820	655.013	ug/l	95
16) Carbon Disulfide	2.514	76	332669	163.525	ug/l	99
17) Allyl chloride	2.666	41	225327	151.318	ug/l	96
18) Methylene Chloride	2.788	84	134742	142.240	ug/l	94
19) trans-1,2-Dichloroethene	3.093	96	132662	152.090	ug/l	97
20) Diisopropyl ether	3.770	45	423689	142.297	ug/l	96
21) 1,1-Dichloroethane	3.617	63	241936	148.659	ug/l	99
22) cis-1,2-Dichloroethene	4.495	96	153636	151.868	ug/l	98
23) tert-Butyl Alcohol	2.989	59	156396	668.607	ug/l #	100
24) Methyl tert-Butyl Ether	3.117	73	432066	151.892	ug/l	100
25) Chloroform	5.105	83	242284	144.987	ug/l	93
26) Cyclohexane	5.477	56	225007	151.703	ug/l #	100
29) 1,1-Dichloropropene	5.696	75	184841	148.247	ug/l	99
30) 2-Butanone	4.562	43	533145	660.760	ug/l	99
31) 2,2-Dichloropropane	4.483	77	170297	128.290	ug/l	99
32) 1,1,1-Trichloroethane	5.391	97	221776	148.821	ug/l	98
33) Carbon Tetrachloride	5.684	117	200302	154.319	ug/l	98
34) Benzene	6.044	78	534710	144.036	ug/l	99
35) Methacrylonitrile	4.928	41	112568	136.285	ug/l	96
36) 1,2-Dichloroethane	6.092	62	192353	136.931	ug/l	99
37) Trichloroethene	7.129	130	160545	155.984	ug/l	98
38) Methylcyclohexane	7.385	83	230537	146.492	ug/l	99
39) 1,2-Dichloropropane	7.434	63	136216	141.041	ug/l	99
40) Dibromomethane	7.586	93	96539	140.894	ug/l	99
41) Bromodichloromethane	7.824	83	188466	149.532	ug/l	98
42) Vinyl Acetate	3.727	43	1875961	702.747	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.721	43	210231	138.424	ug/l	100
44) Isopropyl Acetate	6.348	43	332421	138.124	ug/l	100
45) 1,4-Dioxane	7.665	88	66856	2703.502	ug/l	97
46) Methyl methacrylate	7.696	41	161530	138.617	ug/l	97
47) n-amyl Acetate	10.848	43	276375	136.503	ug/l	99
48) t-1,3-Dichloropropene	8.982	75	201711	141.936	ug/l	100
49) cis-1,3-Dichloropropene	8.372	75	220238	144.239	ug/l	97
50) 1,1,2-Trichloroethane	9.159	97	131350	132.322	ug/l	99
51) Ethyl methacrylate	9.122	69	219095	139.595	ug/l	97
52) 1,3-Dichloropropane	9.311	76	222843	136.584	ug/l	98
53) Dibromochloromethane	9.525	129	147339	147.204	ug/l	99
54) 1,2-Dibromoethane	9.616	107	142795	136.998	ug/l	100
55) 2-Chloroethyl vinyl ether	8.251	63	524572	693.288	ug/l	100
56) Bromoform	10.805	173	110462	155.607	ug/l	100
58) 4-Methyl-2-Pentanone	8.580	43	1002615	684.253	ug/l	99
59) 2-Hexanone	9.439	43	772412	685.662	ug/l	99
61) Tetrachloroethene	9.275	164	156522	162.542	ug/l	97
62) Toluene	8.720	91	559964	144.150	ug/l	99
64) Chlorobenzene	10.086	112	353539	144.901	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.165	131	135898	150.339	ug/l	99
66) Ethyl Benzene	10.195	91	629516	146.053	ug/l	99
67) m/p-Xylenes	10.305	106	486436	292.151	ug/l	98
68) o-Xylene	10.646	106	239660	145.982	ug/l	98
69) Styrene	10.659	104	408054	150.543	ug/l	99
70) Isopropylbenzene	10.963	105	622128	144.048	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.213	83	185482	137.529	ug/l	100
72) 1,2,3-Trichloropropane	11.244	75	179950m	141.368	ug/l	
73) Bromobenzene	11.201	156	157166	149.742	ug/l	99
74) n-propylbenzene	11.305	91	734917	147.773	ug/l	100
75) 2-Chlorotoluene	11.366	91	442164	147.678	ug/l	99
76) 1,3,5-Trimethylbenzene	11.457	105	532754	148.870	ug/l	99
77) t-1,4-Dichloro-2-butene	11.024	75	63377	144.587	ug/l	80
78) 4-Chlorotoluene	11.457	91	502264	148.502	ug/l	99
79) tert-butylbenzene	11.719	119	513653	148.893	ug/l	97
80) 1,2,4-Trimethylbenzene	11.756	105	534796	151.024	ug/l	98
81) sec-Butylbenzene	11.896	105	664278	149.557	ug/l	100
82) p-Isopropyltoluene	12.012	119	563756	153.922	ug/l	100
83) 1,3-Dichlorobenzene	11.975	146	295753	154.977	ug/l	100
84) 1,4-Dichlorobenzene	12.043	146	297891	157.041	ug/l	100
85) n-Butylbenzene	12.335	91	486266	152.045	ug/l	99
86) Hexachloroethane	12.542	117	97300	164.368	ug/l	99
87) 1,2-Dichlorobenzene	12.335	146	281994	152.515	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	12.945	75	50161	163.647	ug/l	98
89) 1,2,4-Trichlorobenzene	13.591	180	191272	166.743	ug/l	99
90) Hexachlorobutadiene	13.725	225	77345	153.534	ug/l	99
91) Naphthalene	13.780	128	666050	168.154	ug/l	99
92) 1,2,3-Trichlorobenzene	13.963	180	192615	167.330	ug/l	99

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

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