

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092723\
 Data File : VX037934.D
 Acq On : 27 Sep 2023 19:59
 Operator : JC/MD
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC150

Quant Time: Sep 28 05:47:28 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 : Semsettin Yesilyurt 09/28/2023

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

Internal Standards						
1) Bromochloromethane	4.897	128	45348	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	257390	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	253844	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	98038	29.991	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	99.967%		
60) 4-Bromofluorobenzene	11.079	95	129179	31.217	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	104.067%		
63) Toluene-d8	8.653	98	322278	29.410	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	98.033%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	360182	151.514	ug/l	99
3) Chloromethane	1.294	50	374257	147.004	ug/l	95
4) Vinyl Chloride	1.374	62	429187	150.590	ug/l	99
5) Bromomethane	1.599	94	285452	130.013	ug/l	98
6) Chloroethane	1.678	64	283122m	147.918	ug/l	
7) Trichlorofluoromethane	1.880	101	711672	151.276	ug/l	99
8) Diethyl Ether	2.130	74	263228	151.662	ug/l	86
9) 1,1,2-Trichlorotrifluo...	2.325	101	366041	152.613	ug/l	98
10) 1,1-Dichloroethene	2.318	96	361837	154.112	ug/l	94
11) Methyl Iodide	2.453	142	515079	162.096	ug/l	97
12) Methyl Acetate	2.703	43	738633	154.777	ug/l	98
13) Acrolein	2.233	56	418427	759.803	ug/l	95
14) Acrylonitrile	3.062	53	1026993	779.430	ug/l	98
15) Acetone	2.379	58	279490	733.324	ug/l	85
16) Carbon Disulfide	2.514	76	939393	163.964	ug/l	99
17) Allyl chloride	2.660	41	566615	157.634	ug/l	94
18) Methylene Chloride	2.788	84	426540	151.578	ug/l	94
19) trans-1,2-Dichloroethene	3.093	96	412913	156.035	ug/l	93
20) Diisopropyl ether	3.757	45	1187991	154.809	ug/l #	90
21) 1,1-Dichloroethane	3.611	63	714348	154.072	ug/l	98
22) cis-1,2-Dichloroethene	4.489	96	489415	155.764	ug/l	95
23) tert-Butyl Alcohol	2.971	59	440453	801.409	ug/l #	1
24) Methyl tert-Butyl Ether	3.111	73	1268105	156.044	ug/l	95
25) Chloroform	5.092	83	784653	153.885	ug/l	100
26) Cyclohexane	5.470	56	602634	152.730	ug/l #	95
29) 1,1-Dichloropropene	5.696	75	564621	151.752	ug/l	97
30) 2-Butanone	4.556	43	1363721	763.731	ug/l	95
31) 2,2-Dichloropropane	4.477	77	591696	157.857	ug/l	98
32) 1,1,1-Trichloroethane	5.385	97	698749	156.729	ug/l	97
33) Carbon Tetrachloride	5.678	117	618118	161.960	ug/l	98
34) Benzene	6.037	78	1673337	150.551	ug/l	97
35) Methacrylonitrile	4.916	41	297007	158.210	ug/l	93
36) 1,2-Dichloroethane	6.086	62	586962	149.286	ug/l	98
37) Trichloroethene	7.123	130	474416	154.724	ug/l	93
38) Methylcyclohexane	7.385	83	718091	153.549	ug/l	94
39) 1,2-Dichloropropane	7.433	63	430707	151.469	ug/l	98
40) Dibromomethane	7.580	93	326851	155.776	ug/l	96
41) Bromodichloromethane	7.824	83	620333	161.934	ug/l	99
42) Vinyl Acetate	3.721	43	4376518	777.511	ug/l	97

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43) Ethyl Acetate	4.714	43	541063	153.276	ug/l	99
44) Isopropyl Acetate	6.342	43	931082	159.436	ug/l	96
45) 1,4-Dioxane	7.659	88	208424	3097.160	ug/l #	1
46) Methyl methacrylate	7.696	41	445136	160.351	ug/l	92
47) n-amyl Acetate	10.841	43	912705	166.118	ug/l	98
48) t-1,3-Dichloropropene	8.976	75	703404	169.026	ug/l	96
49) cis-1,3-Dichloropropene	8.366	75	729194	163.163	ug/l	95
50) 1,1,2-Trichloroethane	9.153	97	469258	156.502	ug/l	98
51) Ethyl methacrylate	9.116	69	728963	164.995	ug/l	95
52) 1,3-Dichloropropane	9.311	76	739074	153.658	ug/l	98
53) Dibromochloromethane	9.525	129	526616	170.413	ug/l	99
54) 1,2-Dibromoethane	9.610	107	511037	157.061	ug/l	99
55) 2-Chloroethyl vinyl ether	8.244	63	1700106	789.393	ug/l	97
56) Bromoform	10.799	173	423247	182.101	ug/l	98
58) 4-Methyl-2-Pentanone	8.573	43	2816178	757.859	ug/l	93
59) 2-Hexanone	9.433	43	2167762	768.163	ug/l	94
61) Tetrachloroethene	9.275	164	411813	152.444	ug/l	97
62) Toluene	8.720	91	1930832	146.635	ug/l	98
64) Chlorobenzene	10.079	112	1247786	151.907	ug/l	100
65) 1,1,1,2-Tetrachloroethane	10.165	131	482060	161.675	ug/l	99
66) Ethyl Benzene	10.195	91	2190602	150.738	ug/l	95
67) m/p-Xylenes	10.305	106	1750421	305.758	ug/l	97
68) o-Xylene	10.640	106	868745	156.704	ug/l	100
69) Styrene	10.658	104	1481071	159.245	ug/l	98
70) Isopropylbenzene	10.963	105	2260646	153.651	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.213	83	746680	153.984	ug/l	100
72) 1,2,3-Trichloropropane	11.238	75	664948m	156.176	ug/l	
73) Bromobenzene	11.201	156	587969	157.556	ug/l	92
74) n-propylbenzene	11.305	91	2703032	153.780	ug/l	99
75) 2-Chlorotoluene	11.366	91	1587771	154.296	ug/l	96
76) 1,3,5-Trimethylbenzene	11.451	105	1995161	157.251	ug/l	100
77) t-1,4-Dichloro-2-butene	11.018	75	252117	186.969	ug/l	86
78) 4-Chlorotoluene	11.457	91	1877129	155.500	ug/l	97
79) tert-butylbenzene	11.713	119	1981025	158.639	ug/l	95
80) 1,2,4-Trimethylbenzene	11.750	105	1961652	155.528	ug/l	100
81) sec-Butylbenzene	11.890	105	2504918	155.980	ug/l	100
82) p-Isopropyltoluene	12.012	119	2127660	157.808	ug/l	99
83) 1,3-Dichlorobenzene	11.969	146	1126209	156.187	ug/l	99
84) 1,4-Dichlorobenzene	12.042	146	1139405	155.942	ug/l	99
85) n-Butylbenzene	12.335	91	2022738	160.350	ug/l	99
86) Hexachloroethane	12.536	117	387011	176.183	ug/l	92
87) 1,2-Dichlorobenzene	12.335	146	1088373	153.197	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	12.939	75	160471	166.147	ug/l #	82
89) 1,2,4-Trichlorobenzene	13.585	180	781521	161.685	ug/l	99
90) Hexachlorobutadiene	13.725	225	340113	160.169	ug/l	97
91) Naphthalene	13.774	128	2303172	157.109	ug/l	99
92) 1,2,3-Trichlorobenzene	13.963	180	753143	160.046	ug/l	100

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

