

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011823\
 Data File : VX033772.D
 Acq On : 18 Jan 2023 14:10
 Operator : JC/MD
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC150

Quant Time: Jan 18 14:36:52 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X011823W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jan 18 12:35:47 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 01/19/2023
 Supervised By : Mahesh Dadoda 01/19/2023

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

Internal Standards						
1) Bromochloromethane	4.898	128	16725	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	113239	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	123281	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	36768	27.150	ug/l	0.00
Spiked Amount	30.000	Range 91 - 110	Recovery	=	90.500%	#
60) 4-Bromofluorobenzene	11.079	95	65228	29.356	ug/l	0.00
Spiked Amount	30.000	Range 63 - 112	Recovery	=	97.867%	
63) Toluene-d8	8.647	98	118369	30.001	ug/l	0.00
Spiked Amount	30.000	Range 91 - 112	Recovery	=	100.000%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	229191	131.030	ug/l	98
3) Chloromethane	1.295	50	251600	134.192	ug/l	99
4) Vinyl Chloride	1.374	62	252390	149.028	ug/l	98
5) Bromomethane	1.618	94	164956	175.847	ug/l	100
6) Chloroethane	1.691	64	124753	125.778	ug/l	96
7) Trichlorofluoromethane	1.886	101	358731	137.259	ug/l	97
8) Diethyl Ether	2.130	74	145279	170.726	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.331	101	227580	167.931	ug/l	96
10) 1,1-Dichloroethene	2.319	96	224905	176.027	ug/l	94
11) Methyl Iodide	2.453	142	345828	157.452	ug/l	93
12) Methyl Acetate	2.703	43	382824	143.119	ug/l	96
13) Acrolein	2.239	56	235704	817.253	ug/l	99
14) Acrylonitrile	3.069	53	619068	701.813	ug/l	99
15) Acetone	2.392	58	185341	928.443	ug/l	83
16) Carbon Disulfide	2.514	76	560412	150.734	ug/l	99
17) Allyl chloride	2.666	41	399164	146.855	ug/l	86
18) Methylene Chloride	2.788	84	241591	135.020	ug/l	93
19) trans-1,2-Dichloroethene	3.093	96	235602	137.252	ug/l	91
20) Diisopropyl ether	3.757	45	763483	130.142	ug/l	93
21) 1,1-Dichloroethane	3.611	63	420123	130.586	ug/l	99
22) cis-1,2-Dichloroethene	4.489	96	277072	135.731	ug/l	95
23) tert-Butyl Alcohol	3.002	59	215809m	619.396	ug/l	
24) Methyl tert-Butyl Ether	3.111	73	744428	136.444	ug/l	97
25) Chloroform	5.093	83	422239	129.303	ug/l	98
26) Cyclohexane	5.471	56	378029	126.600	ug/l	# 97
29) 1,1-Dichloropropene	5.696	75	322543	131.772	ug/l	97
30) 2-Butanone	4.562	43	860744	673.374	ug/l	# 96
31) 2,2-Dichloropropane	4.477	77	322951	153.243	ug/l	99
32) 1,1,1-Trichloroethane	5.385	97	377368	132.053	ug/l	98
33) Carbon Tetrachloride	5.678	117	343364	133.119	ug/l	97
34) Benzene	6.038	78	953831	134.136	ug/l	99
35) Methacrylonitrile	4.922	41	196047	134.599	ug/l	96
36) 1,2-Dichloroethane	6.086	62	325981	126.105	ug/l	96
37) Trichloroethene	7.129	130	285642	139.285	ug/l	94
38) Methylcyclohexane	7.379	83	405650	133.277	ug/l	98
39) 1,2-Dichloropropane	7.428	63	245120	134.880	ug/l	96
40) Dibromomethane	7.580	93	170257	133.310	ug/l	95
41) Bromodichloromethane	7.824	83	336981	136.034	ug/l	100
42) Vinyl Acetate	3.721	43	3020606	661.258	ug/l	97

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43) Ethyl Acetate	4.715	43	340741	130.093	ug/l	97
44) Isopropyl Acetate	6.336	43	560133	136.311	ug/l	97
45) 1,4-Dioxane	7.732	88	107795	2404.488	ug/l #	1
46) Methyl methacrylate	7.690	41	281036	135.079	ug/l	96
47) n-amyl Acetate	10.848	43	469577	134.218	ug/l	98
48) t-1,3-Dichloropropene	8.976	75	374132	147.809	ug/l	98
49) cis-1,3-Dichloropropene	8.366	75	405622	144.284	ug/l	95
50) 1,1,2-Trichloroethane	9.153	97	249072	134.350	ug/l	98
51) Ethyl methacrylate	9.116	69	387587	140.200	ug/l	98
52) 1,3-Dichloropropane	9.311	76	411312	132.463	ug/l	99
53) Dibromochloromethane	9.525	129	290742	143.885	ug/l	97
54) 1,2-Dibromoethane	9.610	107	271314	136.937	ug/l	99
55) 2-Chloroethyl vinyl ether	8.244	63	874097	654.040	ug/l	98
56) Bromoform	10.799	173	232313	149.741	ug/l	98
58) 4-Methyl-2-Pentanone	8.574	43	1611534	658.063	ug/l	96
59) 2-Hexanone	9.433	43	1196238	663.733	ug/l	97
61) Tetrachloroethene	9.275	164	250263	140.698	ug/l	99
62) Toluene	8.720	91	1040026	134.017	ug/l	97
64) Chlorobenzene	10.080	112	683922	136.832	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.165	131	265123	140.935	ug/l	97
66) Ethyl Benzene	10.195	91	1175136	135.786	ug/l	97
67) m/p-Xylenes	10.305	106	928023	271.693	ug/l	97
68) o-Xylene	10.640	106	452920	134.907	ug/l	97
69) Styrene	10.653	104	760665	136.895	ug/l	98
70) Isopropylbenzene	10.964	105	1163734	133.845	ug/l	98
71) 1,1,2,2-Tetrachloroethane	11.213	83	350434	133.857	ug/l	100
72) 1,2,3-Trichloropropane	11.238	75	319780m	134.834	ug/l	
73) Bromobenzene	11.201	156	321030	139.516	ug/l	96
74) n-propylbenzene	11.305	91	1334908	135.229	ug/l	99
75) 2-Chlorotoluene	11.366	91	785845	133.095	ug/l	99
76) 1,3,5-Trimethylbenzene	11.451	105	967424	134.016	ug/l	99
77) t-1,4-Dichloro-2-butene	11.018	75	118032	166.350	ug/l	80
78) 4-Chlorotoluene	11.457	91	894744	135.132	ug/l	99
79) tert-butylbenzene	11.713	119	992534	134.064	ug/l	98
80) 1,2,4-Trimethylbenzene	11.750	105	960282	134.653	ug/l	97
81) sec-Butylbenzene	11.890	105	1225242	136.776	ug/l	99
82) p-Isopropyltoluene	12.012	119	1065536	137.911	ug/l	99
83) 1,3-Dichlorobenzene	11.969	146	587404	139.838	ug/l	99
84) 1,4-Dichlorobenzene	12.043	146	590408	140.975	ug/l	99
85) n-Butylbenzene	12.335	91	889124	141.547	ug/l	97
86) Hexachloroethane	12.536	117	184286	146.614	ug/l	96
87) 1,2-Dichlorobenzene	12.335	146	557895	137.874	ug/l	100
88) 1,2-Dibromo-3-Chloropr...	12.945	75	76890	141.467	ug/l	87
89) 1,2,4-Trichlorobenzene	13.585	180	418296	150.306	ug/l	99
90) Hexachlorobutadiene	13.725	225	191812	143.745	ug/l	98
91) Naphthalene	13.774	128	1212590	148.384	ug/l	100
92) 1,2,3-Trichlorobenzene	13.963	180	414221	148.345	ug/l	100

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

