

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032823\
 Data File : VX034769.D
 Acq On : 28 Mar 2023 00:06
 Operator : JC/MD
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 03/29/2023
 Supervised By :Semsettin Yesilyurt 03/29/2023

Quant Time: Mar 28 05:47:59 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X032823W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Mar 28 05:37:20 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	4.904	128	33395	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	224230	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	251541	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	95166	35.391	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	= 117.967%#	
60) 4-Bromofluorobenzene	11.079	95	156021	34.399	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	= 114.667%#	
63) Toluene-d8	8.647	98	253135	31.312	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	= 104.367%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	475739	158.251	ug/l	100
3) Chloromethane	1.294	50	564855	158.486	ug/l	97
4) Vinyl Chloride	1.374	62	573235	165.836	ug/l	100
5) Bromomethane	1.618	94	365618	160.893	ug/l	98
6) Chloroethane	1.685	64	358964	186.985	ug/l	99
7) Trichlorofluoromethane	1.886	101	902887	174.906	ug/l	99
8) Diethyl Ether	2.130	74	320357	163.835	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.331	101	484316	161.759	ug/l	88
10) 1,1-Dichloroethene	2.319	96	482815	162.286	ug/l	92
11) Methyl Iodide	2.453	142	669246	153.586	ug/l	95
12) Methyl Acetate	2.703	43	1046776	189.121	ug/l	98
13) Acrolein	2.233	56	616007	955.691	ug/l	97
14) Acrylonitrile	3.062	53	1432390	827.639	ug/l	98
15) Acetone	2.386	58	383961	753.898	ug/l	94
16) Carbon Disulfide	2.514	76	1340378	182.244	ug/l	99
17) Allyl chloride	2.660	41	961465	176.552	ug/l	91
18) Methylene Chloride	2.788	84	552590	161.876	ug/l	92
19) trans-1,2-Dichloroethene	3.093	96	530994	165.581	ug/l	92
20) Diisopropyl ether	3.757	45	1882540	172.865	ug/l	93
21) 1,1-Dichloroethane	3.611	63	1027390	173.853	ug/l	97
22) cis-1,2-Dichloroethene	4.489	96	624106	165.052	ug/l	91
23) tert-Butyl Alcohol	2.983	59	643140m	1028.438	ug/l	
24) Methyl tert-Butyl Ether	3.111	73	1792524	175.672	ug/l #	89
25) Chloroform	5.093	83	1053583	177.728	ug/l	96
26) Cyclohexane	5.471	56	904675	172.059	ug/l #	97
29) 1,1-Dichloropropene	5.690	75	792203	180.454	ug/l	96
30) 2-Butanone	4.556	43	2085618	844.873	ug/l	99
31) 2,2-Dichloropropane	4.477	77	830146	194.900	ug/l	94
32) 1,1,1-Trichloroethane	5.379	97	961450	188.787	ug/l	98
33) Carbon Tetrachloride	5.678	117	825874	185.768	ug/l	95
34) Benzene	6.038	78	2202600	168.404	ug/l #	95
35) Methacrylonitrile	4.916	41	479695	179.005	ug/l	93
36) 1,2-Dichloroethane	6.086	62	895846	189.428	ug/l	95
37) Trichloroethene	7.123	130	582200	162.317	ug/l	88
38) Methylcyclohexane	7.379	83	865220	166.935	ug/l	98
39) 1,2-Dichloropropane	7.428	63	580447	177.324	ug/l	97
40) Dibromomethane	7.580	93	408914	176.931	ug/l	89
41) Bromodichloromethane	7.824	83	822573	188.952	ug/l	98
42) Vinyl Acetate	3.721	43	6999312	847.534	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.709	43	844067	173.875	ug/l	100
44) Isopropyl Acetate	6.336	43	1448923	192.686	ug/l	99
45) 1,4-Dioxane	7.708	88	261995	3385.296	ug/l #	94
46) Methyl methacrylate	7.690	41	712931	189.873	ug/l	94
47) n-amyl Acetate	10.842	43	1288182	201.058	ug/l	96
48) t-1,3-Dichloropropene	8.976	75	938218	201.419	ug/l	97
49) cis-1,3-Dichloropropene	8.366	75	969385	186.129	ug/l	94
50) 1,1,2-Trichloroethane	9.153	97	560645	165.083	ug/l	97
51) Ethyl methacrylate	9.116	69	948156	184.373	ug/l	96
52) 1,3-Dichloropropane	9.311	76	973842	167.798	ug/l	99
53) Dibromochloromethane	9.525	129	632011	174.606	ug/l	100
54) 1,2-Dibromoethane	9.610	107	615964	168.244	ug/l	99
55) 2-Chloroethyl vinyl ether	8.244	63	2293769	921.031	ug/l	98
56) Bromoform	10.799	173	459104	169.975	ug/l #	97
58) 4-Methyl-2-Pentanone	8.574	43	3993474	843.949	ug/l	97
59) 2-Hexanone	9.433	43	3031666	853.812	ug/l	98
61) Tetrachloroethene	9.275	164	485483	146.998	ug/l	93
62) Toluene	8.720	91	2368670	166.281	ug/l	100
64) Chlorobenzene	10.079	112	1489509	158.946	ug/l	98
65) 1,1,1,2-Tetrachloroethane	10.165	131	571580	165.655	ug/l	98
66) Ethyl Benzene	10.195	91	2672388	164.983	ug/l	99
67) m/p-Xylenes	10.305	106	2052643	324.284	ug/l	98
68) o-Xylene	10.640	106	1027698	162.827	ug/l	92
69) Styrene	10.659	104	1746612	169.101	ug/l	94
70) Isopropylbenzene	10.963	105	2667288	165.219	ug/l	98
71) 1,1,2,2-Tetrachloroethane	11.213	83	848012	168.830	ug/l	98
72) 1,2,3-Trichloropropane	11.238	75	803738m	176.156	ug/l	
73) Bromobenzene	11.201	156	646902	151.099	ug/l	80
74) n-propylbenzene	11.305	91	3125843	169.855	ug/l	98
75) 2-Chlorotoluene	11.366	91	1931470	174.608	ug/l	94
76) 1,3,5-Trimethylbenzene	11.451	105	2269790	169.744	ug/l	96
77) t-1,4-Dichloro-2-butene	11.018	75	297139	216.274	ug/l	96
78) 4-Chlorotoluene	11.457	91	2251133	180.582	ug/l	93
79) tert-butylbenzene	11.713	119	2173174	160.927	ug/l	91
80) 1,2,4-Trimethylbenzene	11.750	105	2242079	168.816	ug/l	98
81) sec-Butylbenzene	11.890	105	2642742	161.091	ug/l	98
82) p-Isopropyltoluene	12.012	119	2254689	160.013	ug/l	94
83) 1,3-Dichlorobenzene	11.969	146	1223145	156.737	ug/l	96
84) 1,4-Dichlorobenzene	12.043	146	1225046	156.654	ug/l	96
85) n-Butylbenzene	12.335	91	1999910	172.489	ug/l	98
86) Hexachloroethane	12.536	117	425018	191.118	ug/l	75
87) 1,2-Dichlorobenzene	12.335	146	1160638	153.879	ug/l	95
88) 1,2-Dibromo-3-Chloropr...	12.945	75	215538	211.831	ug/l #	73
89) 1,2,4-Trichlorobenzene	13.591	180	730105	143.210	ug/l	98
90) Hexachlorobutadiene	13.725	225	282387	121.588	ug/l	98
91) Naphthalene	13.774	128	2504288	160.566	ug/l	99
92) 1,2,3-Trichlorobenzene	13.963	180	730015	145.194	ug/l	97

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

