

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032823\
 Data File : VX034765.D
 Acq On : 27 Mar 2023 22:34
 Operator : JC/MD
 Sample : VSTDICC010
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC010

Quant Time: Mar 28 05:46:39 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

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/28/2023
 Supervised By : Semsettin Yesilyurt 03/28/2023

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

Internal Standards						
1) Bromochloromethane	4.904	128	26638	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	192878	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	207452	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	77048	35.922	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 119.733%#			
60) 4-Bromofluorobenzene	11.079	95	116755	31.213	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 104.033%			
63) Toluene-d8	8.647	98	214266	32.137	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 107.133%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	28071	11.706	ug/l	95
3) Chloromethane	1.294	50	37179	13.078	ug/l	99
4) Vinyl Chloride	1.374	62	35851	13.003	ug/l	98
5) Bromomethane	1.618	94	24319	13.416	ug/l	96
6) Chloroethane	1.691	64	21763	14.212	ug/l	97
7) Trichlorofluoromethane	1.892	101	56889	13.816	ug/l	99
8) Diethyl Ether	2.130	74	19943	12.786	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.331	101	27771	11.628	ug/l	89
10) 1,1-Dichloroethene	2.319	96	28301	11.926	ug/l	94
11) Methyl Iodide	2.453	142	32739	9.419	ug/l	92
12) Methyl Acetate	2.703	43	63481	14.378	ug/l	97
13) Acrolein	2.239	56	35448	68.945	ug/l	93
14) Acrylonitrile	3.068	53	86779	62.860	ug/l	98
15) Acetone	2.392	58	24329	59.887	ug/l	95
16) Carbon Disulfide	2.514	76	67669	11.534	ug/l	99
17) Allyl chloride	2.666	41	53474	12.310	ug/l	91
18) Methylene Chloride	2.788	84	34139	12.537	ug/l	96
19) trans-1,2-Dichloroethene	3.093	96	30857	12.063	ug/l	97
20) Diisopropyl ether	3.757	45	112186	12.915	ug/l	95
21) 1,1-Dichloroethane	3.611	63	58689	12.450	ug/l	100
22) cis-1,2-Dichloroethene	4.489	96	36354	12.053	ug/l	93
23) tert-Butyl Alcohol	2.989	59	37492m	75.161	ug/l	
24) Methyl tert-Butyl Ether	3.111	73	101910	12.521	ug/l	98
25) Chloroform	5.093	83	58369	12.344	ug/l	97
26) Cyclohexane	5.477	56	51350	12.243	ug/l #	97
29) 1,1-Dichloropropene	5.690	75	44160	11.694	ug/l	97
30) 2-Butanone	4.562	43	123988	58.391	ug/l	99
31) 2,2-Dichloropropane	4.477	77	43259	11.807	ug/l	97
32) 1,1,1-Trichloroethane	5.385	97	49166	11.223	ug/l	97
33) Carbon Tetrachloride	5.672	117	40265	10.529	ug/l	96
34) Benzene	6.037	78	130539	11.603	ug/l	98
35) Methacrylonitrile	4.928	41	27328	11.855	ug/l	88
36) 1,2-Dichloroethane	6.086	62	49576	12.187	ug/l	96
37) Trichloroethene	7.129	130	33415	10.830	ug/l	96
38) Methylcyclohexane	7.379	83	46132	10.347	ug/l	97
39) 1,2-Dichloropropane	7.427	63	34087	12.106	ug/l	99
40) Dibromomethane	7.580	93	23082	11.611	ug/l	87
41) Bromodichloromethane	7.818	83	40204	10.736	ug/l #	95
42) Vinyl Acetate	3.721	43	398510	56.099	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.715	43	48184	11.539	ug/l	100
44) Isopropyl Acetate	6.342	43	78770	12.178	ug/l	98
45) 1,4-Dioxane	7.702	88	16838	252.933	ug/l #	92
46) Methyl methacrylate	7.690	41	38342	11.871	ug/l	93
47) n-amyl Acetate	10.842	43	64122	11.635	ug/l	98
48) t-1,3-Dichloropropene	8.982	75	40602	10.133	ug/l	98
49) cis-1,3-Dichloropropene	8.366	75	47337	10.566	ug/l	94
50) 1,1,2-Trichloroethane	9.153	97	32329	11.067	ug/l	94
51) Ethyl methacrylate	9.116	69	48922	11.059	ug/l	98
52) 1,3-Dichloropropane	9.311	76	56455	11.309	ug/l	98
53) Dibromochloromethane	9.519	129	26995	8.670	ug/l	100
54) 1,2-Dibromoethane	9.610	107	33366	10.595	ug/l	98
55) 2-Chloroethyl vinyl ether	8.244	63	133946	62.527	ug/l	98
56) Bromoform	10.799	173	16817	7.238	ug/l #	96
58) 4-Methyl-2-Pentanone	8.574	43	246708	63.218	ug/l	99
59) 2-Hexanone	9.433	43	183132	62.537	ug/l	100
61) Tetrachloroethene	9.275	164	28577	10.492	ug/l	92
62) Toluene	8.720	91	140488	11.958	ug/l	99
64) Chlorobenzene	10.079	112	83874	10.852	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.165	131	27958	9.825	ug/l	98
66) Ethyl Benzene	10.195	91	153154	11.465	ug/l	96
67) m/p-Xylenes	10.299	106	115392	22.104	ug/l	95
68) o-Xylene	10.640	106	56915	10.934	ug/l	94
69) Styrene	10.659	104	89320	10.486	ug/l	95
70) Isopropylbenzene	10.963	105	147549	11.082	ug/l	97
71) 1,1,2,2-Tetrachloroethane	11.213	83	48574	11.726	ug/l	97
72) 1,2,3-Trichloropropane	11.238	75	43430m	11.542	ug/l	
73) Bromobenzene	11.195	156	34633	9.809	ug/l	84
74) n-propylbenzene	11.305	91	167542	11.039	ug/l	95
75) 2-Chlorotoluene	11.366	91	105811	11.598	ug/l	93
76) 1,3,5-Trimethylbenzene	11.451	105	120889	10.962	ug/l	96
77) t-1,4-Dichloro-2-butene	11.018	75	9800	8.649	ug/l	83
78) 4-Chlorotoluene	11.457	91	117627	11.441	ug/l	93
79) tert-butylbenzene	11.713	119	113936	10.230	ug/l	92
80) 1,2,4-Trimethylbenzene	11.750	105	119877	10.944	ug/l	97
81) sec-Butylbenzene	11.890	105	139880	10.339	ug/l	96
82) p-Isopropyltoluene	12.012	119	115366	9.927	ug/l	96
83) 1,3-Dichlorobenzene	11.969	146	64763	10.063	ug/l	97
84) 1,4-Dichlorobenzene	12.043	146	63921	9.911	ug/l	98
85) n-Butylbenzene	12.329	91	93823	9.812	ug/l	97
86) Hexachloroethane	12.536	117	16220	8.844	ug/l	78
87) 1,2-Dichlorobenzene	12.335	146	65161	10.475	ug/l	97
88) 1,2-Dibromo-3-Chloropr...	12.939	75	9052	10.787	ug/l #	76
89) 1,2,4-Trichlorobenzene	13.591	180	36072	8.579	ug/l	97
90) Hexachlorobutadiene	13.725	225	14083	7.352	ug/l	96
91) Naphthalene	13.774	128	134099	10.425	ug/l	100
92) 1,2,3-Trichlorobenzene	13.963	180	38494	9.283	ug/l	97

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

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