

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100322\
 Data File : VX031832.D
 Acq On : 03 Oct 2022 13:26
 Operator : JC/MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC100

Quant Time: Oct 04 06:33:34 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100322W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 04 06:27:45 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 10/04/2022
 Supervised By : Mahesh Dadoda 10/06/2022

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	117639	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	161968	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	185114	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	146235	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	172062	69.111	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 138.220%#			
35) Dibromofluoromethane	5.379	113	179357	79.330	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 158.660%#			
50) Toluene-d8	8.647	98	651583	81.853	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 163.700%#			
62) 4-Bromofluorobenzene	11.079	95	243332	84.046	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 168.100%#			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	127213	77.521	ug/l	99
3) Chloromethane	1.288	50	123818	70.541	ug/l	99
4) Vinyl Chloride	1.374	62	161509	73.667	ug/l	99
5) Bromomethane	1.611	94	122462	67.318	ug/l	97
6) Chloroethane	1.685	64	168698	74.127	ug/l	97
7) Trichlorofluoromethane	1.880	101	326686	73.761	ug/l	99
8) Diethyl Ether	2.130	74	103956	68.496	ug/l	73
9) 1,1,2-Trichlorotrifluo...	2.325	101	149854	77.907	ug/l	87
10) Methyl Iodide	2.447	142	172958	83.672	ug/l	99
11) Tert butyl alcohol	3.081	59	121146	363.891	ug/l	# 73
12) 1,1-Dichloroethene	2.313	96	139513	76.645	ug/l	84
13) Acrolein	2.239	56	67334	327.450	ug/l	99
14) Allyl chloride	2.660	41	168394	71.696	ug/l	# 92
15) Acrylonitrile	3.068	53	312590	355.309	ug/l	98
16) Acetone	2.392	43	229414	335.694	ug/l	90
17) Carbon Disulfide	2.508	76	360993	72.520	ug/l	100
18) Methyl Acetate	2.703	43	156442	68.992	ug/l	# 83
19) Methyl tert-butyl Ether	3.111	73	458406	74.493	ug/l	96
20) Methylene Chloride	2.788	84	148598	70.835	ug/l	# 79
21) trans-1,2-Dichloroethene	3.087	96	167728	77.377	ug/l	85
22) Diisopropyl ether	3.757	45	365517	72.636	ug/l	# 90
23) Vinyl Acetate	3.721	43	1440694	377.242	ug/l	# 86
24) 1,1-Dichloroethane	3.605	63	241182	71.695	ug/l	96
25) 2-Butanone	4.562	43	392192	355.331	ug/l	# 82
26) 2,2-Dichloropropane	4.471	77	222927	78.177	ug/l	93
27) cis-1,2-Dichloroethene	4.483	96	192085	75.643	ug/l	80
28) Bromochloromethane	4.891	49	96624	69.190	ug/l	# 43
29) Tetrahydrofuran	5.007	42	247334	361.278	ug/l	# 75
30) Chloroform	5.086	83	301664	74.576	ug/l	100
31) Cyclohexane	5.464	56	215403	79.725	ug/l	# 83
32) 1,1,1-Trichloroethane	5.379	97	288717	76.782	ug/l	94
36) 1,1-Dichloropropene	5.690	75	221062	85.411	ug/l	93
37) Ethyl Acetate	4.708	43	158730	78.194	ug/l	# 93
38) Carbon Tetrachloride	5.672	117	282579	87.898	ug/l	98
39) Methylcyclohexane	7.379	83	285510	93.667	ug/l	# 85
40) Benzene	6.031	78	629654	82.062	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	83383	75.555	ug/l #	85
42) 1,2-Dichloroethane	6.080	62	207495	76.854	ug/l	92
43) Isopropyl Acetate	6.336	43	266188	80.380	ug/l #	89
44) Trichloroethene	7.123	130	212520	86.101	ug/l	84
45) 1,2-Dichloropropane	7.427	63	143815	79.621	ug/l	98
46) Dibromomethane	7.580	93	125329	82.019	ug/l #	82
47) Bromodichloromethane	7.818	83	244380	80.683	ug/l	96
48) Methyl methacrylate	7.690	41	121934	82.236	ug/l #	81
49) 1,4-Dioxane	7.708	88	76722	1617.574	ug/l #	80
51) 4-Methyl-2-Pentanone	8.574	43	815120	394.801	ug/l	88
52) Toluene	8.714	92	451454	84.146	ug/l	97
53) t-1,3-Dichloropropene	8.976	75	249862	85.808	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	269682	84.649	ug/l #	83
55) 1,1,2-Trichloroethane	9.153	97	180572	82.852	ug/l	95
56) Ethyl methacrylate	9.116	69	229594	89.664	ug/l #	81
57) 1,3-Dichloropropane	9.305	76	272998	81.173	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	551756	420.868	ug/l #	81
59) 2-Hexanone	9.433	43	614308	409.057	ug/l	86
60) Dibromochloromethane	9.519	129	231646	86.644	ug/l	100
61) 1,2-Dibromoethane	9.610	107	201703	83.203	ug/l	98
64) Tetrachloroethene	9.275	164	231587	90.574	ug/l	93
65) Chlorobenzene	10.079	112	524859	83.747	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	208103	85.404	ug/l	98
67) Ethyl Benzene	10.195	91	858272	84.351	ug/l	93
68) m/p-Xylenes	10.299	106	733390	173.909	ug/l	89
69) o-Xylene	10.640	106	355239	86.906	ug/l	89
70) Styrene	10.653	104	596300	88.939	ug/l	93
71) Bromoform	10.799	173	187500	89.440	ug/l #	100
73) Isopropylbenzene	10.963	105	924631	81.661	ug/l	97
74) N-amyl acetate	10.841	43	230154	82.707	ug/l #	85
75) 1,1,2,2-Tetrachloroethane	11.213	83	245067	74.250	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	220078m	78.567	ug/l	
77) Bromobenzene	11.195	156	260087	84.025	ug/l	79
78) n-propylbenzene	11.305	91	1030135	83.571	ug/l	93
79) 2-Chlorotoluene	11.366	91	597060	79.227	ug/l	92
80) 1,3,5-Trimethylbenzene	11.451	105	794535	83.675	ug/l	95
81) trans-1,4-Dichloro-2-b...	11.018	75	77447	83.564	ug/l	89
82) 4-Chlorotoluene	11.457	91	700724	80.449	ug/l	91
83) tert-Butylbenzene	11.713	119	798417	83.676	ug/l	94
84) 1,2,4-Trimethylbenzene	11.750	105	795381	83.773	ug/l	96
85) sec-Butylbenzene	11.890	105	986157	87.337	ug/l	95
86) p-Isopropyltoluene	12.012	119	885695	89.116	ug/l	96
87) 1,3-Dichlorobenzene	11.969	146	497507	86.415	ug/l	97
88) 1,4-Dichlorobenzene	12.042	146	499277	83.255	ug/l	96
89) n-Butylbenzene	12.335	91	708072	91.009	ug/l	96
90) Hexachloroethane	12.536	117	157297	87.244	ug/l	81
91) 1,2-Dichlorobenzene	12.335	146	476361	82.692	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	12.945	75	53294	76.441	ug/l	55
93) 1,2,4-Trichlorobenzene	13.591	180	331224	94.622	ug/l	97
94) Hexachlorobutadiene	13.725	225	138442	100.077	ug/l	99
95) Naphthalene	13.774	128	964339	86.929	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	320230	93.904	ug/l	98

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

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TIC: VX031832.D\data.ms

Abundance

Time-->

Chlorodifluoromethane, T
Dichlorofluoromethane, T
Chloromethane, T
Trichlorofluoromethane, T
Diethyl Ether, T
Acrolein, T
Methyl Chloride, T
Methylene Chloride, T
Methyl Acetate, T
Asymetric Dimethyl Ethylene, T
1,1-Dichloroethane, P
Vinyl Acetate, T
Disopropyl ether, T
2-Butanone, T
Ethyl Acetate, T
Methyl Methoxyacetate, T
Methyl Methoxypropanoate, T
Pentfluorocyclopentadiene, S
Carbon tetrachloride, T
1,2-Dichloroethane, TM
Isopropyl Acetate, T
1,4-Difluorobenzene, I
Trichloroethene, TM
1,2-Dichloroethane, T
Bromochloroethane, T
Bromodichloromethane, T
cis-1,3-Dichloropropene, T
4-Methyl-2-Pentanone, T
Tetrahydrofuran, T
1,1,3-Dichloropropane, T
Ethyl methylphosphonothioate, T
1,3-Dichloropropane, T
Tetrachloroethene, T
2-Hexanone, T
1,2-Dibromoethane, T
Chlorobenzene-d5, I
1,1,1,2-Tetrachloroethane, T
Ethyl Benzene, C
m/p-Xylenes, T
Styrene, T
Isopropylbenzene, T
n-propylbenzene, T
2-Chlorotoluene, T
1,2,4-Trimethylbenzene, T
1,2,4-Dichlorobenzene, T
sec-Butylbenzene, T
isopropyltoluene, T
Hexachloroethane, T
1,2-Dibromo-3-Chloropropane, T
1,2,4-Trichlorobenzene, T
Naphthalene, T
Hexachlorobutadiene, T
1,2,3-Trichlorobenzene, T