

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100323\
 Data File : VX038044.D
 Acq On : 03 Oct 2023 17:20
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX100323

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/04/2023
 Supervised By : Semsettin Yesilyurt 10/04/2023

Quant Time: Oct 04 09:12:56 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100323W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 04 09:08:35 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	144620	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	251003	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	244415	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	133619	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	114918	51.070	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 102.140%			
35) Dibromofluoromethane	5.385	113	88054	51.135	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.280%			
50) Toluene-d8	8.653	98	341808	51.867	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 103.740%			
62) 4-Bromofluorobenzene	11.079	95	127366	53.105	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 106.200%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	82478	57.234	ug/l	97
3) Chloromethane	1.301	50	83750	44.145	ug/l	95
4) Vinyl Chloride	1.374	62	89025	51.993	ug/l	99
5) Bromomethane	1.599	94	124159	55.147	ug/l	96
6) Chloroethane	1.679	64	71736	55.809	ug/l	96
7) Trichlorofluoromethane	1.880	101	168032	49.751	ug/l	99
8) Diethyl Ether	2.136	74	62353	50.484	ug/l	81
9) 1,1,2-Trichlorotrifluo...	2.325	101	67947	46.207	ug/l	98
10) Methyl Iodide	2.453	142	85967	56.682	ug/l	95
11) Tert butyl alcohol	2.965	59	130247	257.678	ug/l #	93
12) 1,1-Dichloroethene	2.319	96	67939	49.616	ug/l	89
13) Acrolein	2.233	56	71830	248.416	ug/l	99
14) Allyl chloride	2.660	41	122176	50.345	ug/l	94
15) Acrylonitrile	3.062	53	273617	260.446	ug/l	99
16) Acetone	2.380	43	233423	236.205	ug/l	91
17) Carbon Disulfide	2.508	76	189780	49.001	ug/l	99
18) Methyl Acetate	2.703	43	217329	51.154	ug/l	94
19) Methyl tert-butyl Ether	3.117	73	271319	51.307	ug/l	100
20) Methylene Chloride	2.788	84	85582	48.196	ug/l	94
21) trans-1,2-Dichloroethene	3.093	96	80800	49.112	ug/l	93
22) Diisopropyl ether	3.764	45	257516	50.781	ug/l	88
23) Vinyl Acetate	3.721	43	962539	263.833	ug/l	97
24) 1,1-Dichloroethane	3.605	63	153776	49.960	ug/l	100
25) 2-Butanone	4.556	43	403735	259.129	ug/l	93
26) 2,2-Dichloropropane	4.477	77	108065	44.701	ug/l	95
27) cis-1,2-Dichloroethene	4.489	96	97717	50.941	ug/l	92
28) Bromochloromethane	4.897	49	75455	52.102	ug/l	94
29) Tetrahydrofuran	5.007	42	267769	266.478	ug/l	93
30) Chloroform	5.093	83	169067	50.424	ug/l	98
31) Cyclohexane	5.471	56	130867	49.734	ug/l	99
32) 1,1,1-Trichloroethane	5.385	97	144764	51.905	ug/l	99
36) 1,1-Dichloropropene	5.690	75	121271	47.788	ug/l	98
37) Ethyl Acetate	4.715	43	154756	54.298	ug/l	98
38) Carbon Tetrachloride	5.678	117	123991	50.210	ug/l	99
39) Methylcyclohexane	7.379	83	144701	48.245	ug/l	93
40) Benzene	6.038	78	355642	49.680	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	75386	52.828	ug/l #	89
42) 1,2-Dichloroethane	6.086	62	141249	50.313	ug/l	100
43) Isopropyl Acetate	6.342	43	237078	53.692	ug/l	98
44) Trichloroethene	7.129	130	90033	46.604	ug/l	97
45) 1,2-Dichloropropane	7.434	63	92245	50.616	ug/l	100
46) Dibromomethane	7.580	93	69807	49.462	ug/l	98
47) Bromodichloromethane	7.824	83	129292	52.620	ug/l	100
48) Methyl methacrylate	7.696	41	110721	52.153	ug/l	86
49) 1,4-Dioxane	7.659	88	55755	1171.580	ug/l #	86
51) 4-Methyl-2-Pentanone	8.574	43	812289	264.778	ug/l	98
52) Toluene	8.720	92	230615	49.772	ug/l	94
53) t-1,3-Dichloropropene	8.976	75	141337	54.609	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	146377	53.150	ug/l	95
55) 1,1,2-Trichloroethane	9.153	97	97909	52.037	ug/l	96
56) Ethyl methacrylate	9.116	69	155868	55.118	ug/l	93
57) 1,3-Dichloropropane	9.311	76	160154	50.619	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	384079	265.741	ug/l	99
59) 2-Hexanone	9.433	43	662394	269.908	ug/l	97
60) Dibromochloromethane	9.525	129	100064	55.264	ug/l	99
61) 1,2-Dibromoethane	9.610	107	108531	53.204	ug/l	98
64) Tetrachloroethene	9.275	164	80111	49.261	ug/l	97
65) Chlorobenzene	10.079	112	248693	48.471	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	90723	53.027	ug/l	99
67) Ethyl Benzene	10.195	91	459946	49.834	ug/l	100
68) m/p-Xylenes	10.299	106	353370	99.974	ug/l	100
69) o-Xylene	10.640	106	171893	51.210	ug/l	99
70) Styrene	10.659	104	288342	52.008	ug/l	98
71) Bromoform	10.799	173	75015	57.676	ug/l #	100
73) Isopropylbenzene	10.963	105	454385	50.108	ug/l	99
74) N-amyl acetate	10.842	43	216659	53.088	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.213	83	171889	50.642	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	161586m	52.204	ug/l	
77) Bromobenzene	11.201	156	110630	49.760	ug/l	94
78) n-propylbenzene	11.305	91	555027	49.811	ug/l	99
79) 2-Chlorotoluene	11.366	91	322041	49.773	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	397459	51.498	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	49712	54.240	ug/l	95
82) 4-Chlorotoluene	11.457	91	386236	49.529	ug/l	99
83) tert-Butylbenzene	11.713	119	392546	51.162	ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	402445	51.701	ug/l	99
85) sec-Butylbenzene	11.890	105	503971	50.648	ug/l	99
86) p-Isopropyltoluene	12.006	119	417108	51.187	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	215366	48.310	ug/l	98
88) 1,4-Dichlorobenzene	12.043	146	219995	47.279	ug/l	99
89) n-Butylbenzene	12.335	91	410970	50.533	ug/l	96
90) Hexachloroethane	12.536	117	71584	53.899	ug/l	93
91) 1,2-Dichlorobenzene	12.335	146	210633	49.649	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	42407	54.902	ug/l	91
93) 1,2,4-Trichlorobenzene	13.585	180	136366	46.338	ug/l	97
94) Hexachlorobutadiene	13.725	225	57089	45.462	ug/l	98
95) Naphthalene	13.774	128	485081	48.899	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	132616	46.597	ug/l	97

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

