

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032023\
 Data File : VX034641.D
 Acq On : 20 Mar 2023 20:27
 Operator : JC/MD
 Sample : 02002-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 031023-3

Quant Time: Mar 21 01:48:12 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031023W.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 13 10:29:32 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 03/21/2023
 Supervised By : Mahesh Dadoda 03/21/2023

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	499235	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	863934	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	778518	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	369967	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	428704	59.027	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 118.060%#			
35) Dibromofluoromethane	5.385	113	303477	53.203	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.400%			
50) Toluene-d8	8.647	98	1086071	51.004	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 102.000%			
62) 4-Bromofluorobenzene	11.079	95	438457	50.977	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 101.960%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	50293	10.806	ug/l	99
3) Chloromethane	1.307	50	73809	9.403	ug/l	98
4) Vinyl Chloride	1.374	62	69667	10.993	ug/l	98
5) Bromomethane	1.599	94	42570	13.314	ug/l	94
6) Chloroethane	1.685	64	43877	12.025	ug/l	100
7) Trichlorofluoromethane	1.886	101	102069	10.719	ug/l	98
8) Diethyl Ether	2.130	74	39022	11.226	ug/l	91
9) 1,1,2-Trichlorotrifluo...	2.325	101	57514	10.364	ug/l	98
10) Methyl Iodide	2.453	142	79578	10.922	ug/l	93
11) Tert butyl alcohol	2.953	59	75718	50.064	ug/l	99
12) 1,1-Dichloroethene	2.319	96	55878	10.224	ug/l	90
13) Acrolein	2.233	56	63039	52.687	ug/l	100
14) Allyl chloride	2.666	41	108184	9.764	ug/l	93
15) Acrylonitrile	3.062	53	168395	51.542	ug/l	98
16) Acetone	2.373	43	164691	48.139	ug/l	94
17) Carbon Disulfide	2.508	76	133976	8.711	ug/l	98
18) Methyl Acetate	2.703	43	127696	11.423	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	219195	11.202	ug/l	97
20) Methylene Chloride	2.788	84	67392	10.150	ug/l	95
21) trans-1,2-Dichloroethene	3.093	96	61192	10.543	ug/l	95
22) Diisopropyl ether	3.757	45	227033	10.747	ug/l	96
23) Vinyl Acetate	3.721	43	838126	52.129	ug/l	97
24) 1,1-Dichloroethane	3.611	63	120412	10.603	ug/l	99
25) 2-Butanone	4.556	43	247149	50.488	ug/l	98
26) 2,2-Dichloropropane	4.471	77	94644	9.588	ug/l	98
27) cis-1,2-Dichloroethene	4.489	96	72880	10.431	ug/l	96
28) Bromochloromethane	4.897	49	75652	14.328	ug/l	99
29) Tetrahydrofuran	5.001	42	156871	51.933	ug/l	99
30) Chloroform	5.092	83	125662	11.289	ug/l	99
31) Cyclohexane	5.470	56	103301	10.142	ug/l	98
32) 1,1,1-Trichloroethane	5.385	97	107736	10.933	ug/l	98
36) 1,1-Dichloropropene	5.696	75	87853	10.028	ug/l	99
37) Ethyl Acetate	4.714	43	97503	10.187	ug/l	100
38) Carbon Tetrachloride	5.678	117	89955	10.321	ug/l	97
39) Methylcyclohexane	7.379	83	96017	9.158	ug/l	95
40) Benzene	6.037	78	262614	10.247	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	53376	10.176	ug/l	96
42) 1,2-Dichloroethane	6.092	62	113729	12.074	ug/l	96
43) Isopropyl Acetate	6.342	43	166079	10.243	ug/l	99
44) Trichloroethene	7.129	130	66152	9.934	ug/l	98
45) 1,2-Dichloropropane	7.427	63	68248	10.198	ug/l	98
46) Dibromomethane	7.580	93	49019	10.774	ug/l	97
47) Bromodichloromethane	7.824	83	93368	10.604	ug/l	98
48) Methyl methacrylate	7.690	41	82328	10.557	ug/l	96
49) 1,4-Dioxane	7.659	88	35501	216.743	ug/l	98
51) 4-Methyl-2-Pentanone	8.574	43	494542	52.577	ug/l	99
52) Toluene	8.720	92	164397	10.361	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	93736	9.449	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	105835	9.861	ug/l	95
55) 1,1,2-Trichloroethane	9.153	97	66550	10.568	ug/l	98
56) Ethyl methacrylate	9.116	69	107531	10.400	ug/l	96
57) 1,3-Dichloropropane	9.311	76	117969	10.540	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	237618	44.594	ug/l	100
59) 2-Hexanone	9.427	43	376062	51.720	ug/l	98
60) Dibromochloromethane	9.518	129	64198	9.720	ug/l	99
61) 1,2-Dibromoethane	9.610	107	70211	10.332	ug/l	99
64) Tetrachloroethene	9.275	164	52443	10.028	ug/l	97
65) Chlorobenzene	10.079	112	172712	10.111	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	62077	9.978	ug/l	99
67) Ethyl Benzene	10.195	91	319027	10.433	ug/l	98
68) m/p-Xylenes	10.299	106	238185	20.276	ug/l	96
69) o-Xylene	10.640	106	118870	10.084	ug/l	95
70) Styrene	10.659	104	194684	10.236	ug/l	98
71) Bromoform	10.799	173	41660	8.699	ug/l #	99
73) Isopropylbenzene	10.963	105	308823	10.800	ug/l	98
74) N-amyl acetate	10.841	43	148217	10.822	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	103266	10.823	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	95894m	11.288	ug/l	
77) Bromobenzene	11.195	156	74210	10.817	ug/l	98
78) n-propylbenzene	11.305	91	355727	10.772	ug/l	98
79) 2-Chlorotoluene	11.366	91	226457	11.104	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	263099	10.970	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	24991	7.959	ug/l #	84
82) 4-Chlorotoluene	11.451	91	259313	11.038	ug/l	98
83) tert-Butylbenzene	11.713	119	250747	10.369	ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	268669	10.961	ug/l	98
85) sec-Butylbenzene	11.890	105	298585	10.100	ug/l	100
86) p-Isopropyltoluene	12.012	119	251899	10.138	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	136747	10.173	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	137670	10.129	ug/l	97
89) n-Butylbenzene	12.329	91	216901	9.820	ug/l	99
90) Hexachloroethane	12.536	117	40032	8.707	ug/l	100
91) 1,2-Dichlorobenzene	12.335	146	140120	10.787	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	22029	10.162	ug/l	96
93) 1,2,4-Trichlorobenzene	13.591	180	77009	9.480	ug/l	98
94) Hexachlorobutadiene	13.725	225	30132	9.207	ug/l	99
95) Naphthalene	13.774	128	290471	10.663	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	78456	9.880	ug/l	100

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

