

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102323\
 Data File : VX038423.D
 Acq On : 23 Oct 2023 11:36
 Operator : JC/MD
 Sample : VX1023WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1023WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/24/2023
 Supervised By : Semsettin Yesilyurt 10/24/2023

Quant Time: Oct 23 23:59:06 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100523W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 05 15:27:13 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	149172	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	247610	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	243093	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	136869	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	111702	46.555	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	93.120%		
35) Dibromofluoromethane	5.385	113	92566	51.881	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	103.760%		
50) Toluene-d8	8.646	98	330642	48.497	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	97.000%		
62) 4-Bromofluorobenzene	11.079	95	129688	50.175	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	100.360%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	32809	22.786	ug/l	97
3) Chloromethane	1.300	50	29118	19.841	ug/l	96
4) Vinyl Chloride	1.373	62	33148	20.372	ug/l	99
5) Bromomethane	1.605	94	33087	14.884	ug/l	97
6) Chloroethane	1.690	64	23310	19.685	ug/l	95
7) Trichlorofluoromethane	1.885	101	63482	19.752	ug/l	98
8) Diethyl Ether	2.135	74	22557	18.819	ug/l	79
9) 1,1,2-Trichlorotrifluo...	2.330	101	32423	23.109	ug/l	99
10) Methyl Iodide	2.452	142	39525	19.579	ug/l	96
11) Tert butyl alcohol	2.946	59	46606	80.474	ug/l	# 91
12) 1,1-Dichloroethene	2.318	96	28781	21.088	ug/l	88
13) Acrolein	2.233	56	36330	106.511	ug/l	99
14) Allyl chloride	2.666	41	46313	18.972	ug/l	96
15) Acrylonitrile	3.062	53	107527	98.478	ug/l	98
16) Acetone	2.373	43	99804	99.668	ug/l	90
17) Carbon Disulfide	2.513	76	68960	17.531	ug/l	99
18) Methyl Acetate	2.702	43	90516	21.079	ug/l	93
19) Methyl tert-butyl Ether	3.111	73	107985	19.866	ug/l	99
20) Methylene Chloride	2.788	84	37063	19.677	ug/l	90
21) trans-1,2-Dichloroethene	3.093	96	33776	19.988	ug/l	90
22) Diisopropyl ether	3.757	45	98554	19.263	ug/l	# 94
23) Vinyl Acetate	3.720	43	360754	96.149	ug/l	96
24) 1,1-Dichloroethane	3.611	63	59856	19.277	ug/l	98
25) 2-Butanone	4.550	43	152364	94.304	ug/l	92
26) 2,2-Dichloropropane	4.476	77	48330	19.936	ug/l	97
27) cis-1,2-Dichloroethene	4.489	96	40371	20.060	ug/l	90
28) Bromochloromethane	4.903	49	27764	19.808	ug/l	85
29) Tetrahydrofuran	5.001	42	98341	93.489	ug/l	# 88
30) Chloroform	5.092	83	68262	20.104	ug/l	98
31) Cyclohexane	5.470	56	47682	18.343	ug/l	88
32) 1,1,1-Trichloroethane	5.379	97	58187	20.008	ug/l	99
36) 1,1-Dichloropropene	5.690	75	47439	19.281	ug/l	97
37) Ethyl Acetate	4.708	43	56025	19.173	ug/l	96
38) Carbon Tetrachloride	5.677	117	49060	20.270	ug/l	99
39) Methylcyclohexane	7.378	83	57718	20.028	ug/l	90
40) Benzene	6.037	78	140093	20.358	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.915	41	27924	19.210	ug/l #	87
42) 1,2-Dichloroethane	6.086	62	54550	19.841	ug/l	99
43) Isopropyl Acetate	6.336	43	84321	19.330	ug/l	96
44) Trichloroethene	7.128	130	38334	21.298	ug/l	100
45) 1,2-Dichloropropane	7.433	63	36165	20.305	ug/l	97
46) Dibromomethane	7.580	93	29236	21.164	ug/l	96
47) Bromodichloromethane	7.823	83	51163	20.820	ug/l	97
48) Methyl methacrylate	7.689	41	40962	19.671	ug/l #	83
49) 1,4-Dioxane	7.659	88	17539	341.793	ug/l #	92
51) 4-Methyl-2-Pentanone	8.573	43	301387	100.169	ug/l	96
52) Toluene	8.720	92	91974	20.518	ug/l	93
53) t-1,3-Dichloropropene	8.976	75	52972	20.082	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	57276	20.667	ug/l #	89
55) 1,1,2-Trichloroethane	9.152	97	40555	21.151	ug/l	98
56) Ethyl methacrylate	9.116	69	56677	19.280	ug/l	93
57) 1,3-Dichloropropane	9.305	76	64368	20.757	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	138822	96.204	ug/l	98
59) 2-Hexanone	9.427	43	242728	100.349	ug/l	95
60) Dibromochloromethane	9.518	129	40458	21.560	ug/l	100
61) 1,2-Dibromoethane	9.610	107	43743	21.097	ug/l	99
64) Tetrachloroethene	9.274	164	33136	21.056	ug/l	97
65) Chlorobenzene	10.079	112	104422	20.528	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.164	131	37343	21.709	ug/l	98
67) Ethyl Benzene	10.195	91	180772	19.909	ug/l	99
68) m/p-Xylenes	10.299	106	140433	39.999	ug/l	100
69) o-Xylene	10.640	106	68348	19.946	ug/l	98
70) Styrene	10.658	104	115421	20.684	ug/l	96
71) Bromoform	10.798	173	29517	20.301	ug/l #	99
73) Isopropylbenzene	10.963	105	184556	20.107	ug/l	99
74) N-amyl acetate	10.841	43	73012	18.627	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.213	83	69560	20.653	ug/l	98
76) 1,2,3-Trichloropropane	11.237	75	62367m	20.044	ug/l	
77) Bromobenzene	11.195	156	46466	20.735	ug/l	88
78) n-propylbenzene	11.304	91	221858	19.767	ug/l	100
79) 2-Chlorotoluene	11.365	91	129733	19.491	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	159310	20.118	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	17013	18.712	ug/l	95
82) 4-Chlorotoluene	11.451	91	153609	19.503	ug/l	97
83) tert-Butylbenzene	11.713	119	153355	19.819	ug/l	96
84) 1,2,4-Trimethylbenzene	11.750	105	158729	20.103	ug/l	99
85) sec-Butylbenzene	11.890	105	199367	19.890	ug/l	99
86) p-Isopropyltoluene	12.012	119	170032	20.560	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	90961	20.209	ug/l	97
88) 1,4-Dichlorobenzene	12.042	146	91475	19.907	ug/l	98
89) n-Butylbenzene	12.329	91	159300	19.342	ug/l	96
90) Hexachloroethane	12.536	117	26353	19.220	ug/l	89
91) 1,2-Dichlorobenzene	12.335	146	88362	20.423	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	12.938	75	16105	19.777	ug/l	82
93) 1,2,4-Trichlorobenzene	13.591	180	59878	20.634	ug/l	97
94) Hexachlorobutadiene	13.725	225	26431	22.630	ug/l	98
95) Naphthalene	13.774	128	200627	19.853	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	59401	21.141	ug/l	98

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

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