

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101823\
 Data File : VX038350.D
 Acq On : 18 Oct 2023 10:20
 Operator : JC/MD
 Sample : VX1018WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1018WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/19/2023
 Supervised By : Mahesh Dadoda 10/20/2023

Quant Time: Oct 19 01:36:02 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	5.550	168	133045	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	225970	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	226973	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	127541	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	99188	46.351	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	92.700%		
35) Dibromofluoromethane	5.385	113	81385	49.983	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.960%		
50) Toluene-d8	8.647	98	306203	49.213	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	98.420%		
62) 4-Bromofluorobenzene	11.079	95	120283	50.993	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	101.980%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	26440	20.588	ug/l	100
3) Chloromethane	1.300	50	28052	21.432	ug/l	99
4) Vinyl Chloride	1.374	62	35746	24.631	ug/l	96
5) Bromomethane	1.605	94	33710	17.126	ug/l	97
6) Chloroethane	1.685	64	25631	24.575	ug/l	98
7) Trichlorofluoromethane	1.886	101	69581	24.274	ug/l	98
8) Diethyl Ether	2.136	74	23864	22.322	ug/l	77
9) 1,1,2-Trichlorotrifluo...	2.331	101	28710	22.943	ug/l	99
10) Methyl Iodide	2.453	142	36945	20.519	ug/l	93
11) Tert butyl alcohol	2.953	59	41963	81.350	ug/l	# 93
12) 1,1-Dichloroethene	2.319	96	26999	22.180	ug/l	91
13) Acrolein	2.233	56	24898	81.843	ug/l	98
14) Allyl chloride	2.666	41	42702	19.613	ug/l	94
15) Acrylonitrile	3.062	53	97237	99.849	ug/l	99
16) Acetone	2.373	43	98024	109.757	ug/l	93
17) Carbon Disulfide	2.514	76	64228	18.307	ug/l	99
18) Methyl Acetate	2.703	43	79738	20.820	ug/l	93
19) Methyl tert-butyl Ether	3.111	73	94520	19.497	ug/l	100
20) Methylene Chloride	2.788	84	33013	19.652	ug/l	94
21) trans-1,2-Dichloroethene	3.093	96	30989	20.561	ug/l	90
22) Diisopropyl ether	3.757	45	90197	19.766	ug/l	98
23) Vinyl Acetate	3.721	43	328666	98.215	ug/l	96
24) 1,1-Dichloroethane	3.611	63	54195	19.570	ug/l	97
25) 2-Butanone	4.556	43	143146	99.338	ug/l	94
26) 2,2-Dichloropropane	4.477	77	41926	19.391	ug/l	96
27) cis-1,2-Dichloroethene	4.489	96	36716	20.455	ug/l	91
28) Bromochloromethane	4.897	49	24672	19.735	ug/l	86
29) Tetrahydrofuran	5.001	42	92709	98.818	ug/l	91
30) Chloroform	5.092	83	62026	20.482	ug/l	100
31) Cyclohexane	5.470	56	45722	19.721	ug/l	92
32) 1,1,1-Trichloroethane	5.379	97	51834	19.984	ug/l	98
36) 1,1-Dichloropropene	5.690	75	44217	19.693	ug/l	98
37) Ethyl Acetate	4.714	43	50629	18.986	ug/l	97
38) Carbon Tetrachloride	5.684	117	44281	20.047	ug/l	100
39) Methylcyclohexane	7.379	83	53257	20.250	ug/l	94
40) Benzene	6.037	78	129874	20.680	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	25422	19.164	ug/l #	87
42) 1,2-Dichloroethane	6.086	62	50915	20.292	ug/l	99
43) Isopropyl Acetate	6.342	43	76952	19.330	ug/l	98
44) Trichloroethene	7.123	130	34583	21.054	ug/l	94
45) 1,2-Dichloropropane	7.427	63	33237	20.449	ug/l	94
46) Dibromomethane	7.586	93	26119	20.719	ug/l	96
47) Bromodichloromethane	7.824	83	46540	20.752	ug/l	97
48) Methyl methacrylate	7.690	41	37902	19.944	ug/l #	85
49) 1,4-Dioxane	7.659	88	17803	380.163	ug/l #	87
51) 4-Methyl-2-Pentanone	8.573	43	283837	103.370	ug/l	97
52) Toluene	8.720	92	88234	21.568	ug/l	94
53) t-1,3-Dichloropropene	8.976	75	48884	20.307	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	51749	20.461	ug/l	94
55) 1,1,2-Trichloroethane	9.153	97	36725	20.988	ug/l	93
56) Ethyl methacrylate	9.116	69	53123	19.801	ug/l	93
57) 1,3-Dichloropropane	9.305	76	60254	21.291	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	102852	78.102	ug/l	99
59) 2-Hexanone	9.427	43	234975	106.447	ug/l	96
60) Dibromochloromethane	9.518	129	35776	20.891	ug/l	99
61) 1,2-Dibromoethane	9.610	107	40629	21.472	ug/l	99
64) Tetrachloroethene	9.275	164	29584	20.134	ug/l	95
65) Chlorobenzene	10.079	112	97202	20.466	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.165	131	33445	20.824	ug/l	99
67) Ethyl Benzene	10.195	91	172417	20.337	ug/l	98
68) m/p-Xylenes	10.299	106	134570	41.051	ug/l	100
69) o-Xylene	10.640	106	64373	20.120	ug/l	97
70) Styrene	10.652	104	109357	20.989	ug/l	97
71) Bromoform	10.799	173	26523	19.646	ug/l #	100
73) Isopropylbenzene	10.963	105	175174	20.480	ug/l	100
74) N-amyl acetate	10.841	43	69430	19.009	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.213	83	64585	20.578	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	59002m	20.349	ug/l	
77) Bromobenzene	11.195	156	43282	20.727	ug/l	90
78) n-propylbenzene	11.305	91	210463	20.124	ug/l	100
79) 2-Chlorotoluene	11.366	91	122814	19.801	ug/l	96
80) 1,3,5-Trimethylbenzene	11.451	105	154284	20.908	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.018	75	15448	18.336	ug/l	99
82) 4-Chlorotoluene	11.457	91	145468	19.820	ug/l	95
83) tert-Butylbenzene	11.713	119	146105	20.263	ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	151016	20.525	ug/l	97
85) sec-Butylbenzene	11.890	105	192242	20.582	ug/l	100
86) p-Isopropyltoluene	12.012	119	159902	20.750	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	85111	20.292	ug/l	96
88) 1,4-Dichlorobenzene	12.042	146	87523	20.440	ug/l	99
89) n-Butylbenzene	12.335	91	150502	19.610	ug/l	96
90) Hexachloroethane	12.542	117	25333	19.827	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	82337	20.423	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	14726	19.406	ug/l	86
93) 1,2,4-Trichlorobenzene	13.585	180	53947	19.950	ug/l	96
94) Hexachlorobutadiene	13.725	225	22567	20.735	ug/l	99
95) Naphthalene	13.774	128	179661	19.079	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	53789	20.544	ug/l	98

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

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