

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100623\
 Data File : VX038119.D
 Acq On : 06 Oct 2023 10:39
 Operator : JC/MD
 Sample : VX1006WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1006WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/09/2023
 Supervised By : Mahesh Dadoda 10/09/2023

Quant Time: Oct 07 04:15:54 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	124114	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	219628	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	214003	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	117706	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	102996	51.594	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 103.180%			
35) Dibromofluoromethane	5.391	113	78812	49.800	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.600%			
50) Toluene-d8	8.647	98	305656	50.544	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 101.080%			
62) 4-Bromofluorobenzene	11.079	95	115488	50.374	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 100.740%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	26402	22.038	ug/l	100
3) Chloromethane	1.300	50	25602	20.967	ug/l	96
4) Vinyl Chloride	1.374	62	29921	22.101	ug/l	96
5) Bromomethane	1.605	94	31315	17.050	ug/l	97
6) Chloroethane	1.685	64	23314	23.938	ug/l	97
7) Trichlorofluoromethane	1.886	101	59800	22.363	ug/l	97
8) Diethyl Ether	2.136	74	21489	21.547	ug/l	84
9) 1,1,2-Trichlorotrifluo...	2.331	101	24490	20.979	ug/l	99
10) Methyl Iodide	2.453	142	34568	20.580	ug/l	94
11) Tert butyl alcohol	2.953	59	41281	86.420	ug/l #	91
12) 1,1-Dichloroethene	2.319	96	23950	21.091	ug/l	83
13) Acrolein	2.233	56	29577	104.220	ug/l	99
14) Allyl chloride	2.666	41	41088	20.229	ug/l	96
15) Acrylonitrile	3.062	53	93712	103.153	ug/l	99
16) Acetone	2.380	43	80378	96.475	ug/l	92
17) Carbon Disulfide	2.514	76	59501	18.180	ug/l	99
18) Methyl Acetate	2.703	43	73513	20.575	ug/l	93
19) Methyl tert-butyl Ether	3.117	73	91625	20.260	ug/l	100
20) Methylene Chloride	2.788	84	30441	19.424	ug/l	91
21) trans-1,2-Dichloroethene	3.093	96	28992	20.621	ug/l	89
22) Diisopropyl ether	3.763	45	89046	20.918	ug/l #	90
23) Vinyl Acetate	3.721	43	325513	104.272	ug/l	98
24) 1,1-Dichloroethane	3.611	63	52008	20.132	ug/l	99
25) 2-Butanone	4.556	43	138794	103.249	ug/l	95
26) 2,2-Dichloropropane	4.477	77	41323	20.488	ug/l	96
27) cis-1,2-Dichloroethene	4.489	96	34593	20.659	ug/l	92
28) Bromochloromethane	4.903	49	25736	22.068	ug/l	90
29) Tetrahydrofuran	5.007	42	89531	102.297	ug/l	90
30) Chloroform	5.092	83	59637	21.110	ug/l	97
31) Cyclohexane	5.477	56	45635	21.100	ug/l	91
32) 1,1,1-Trichloroethane	5.385	97	49975	20.653	ug/l	99
36) 1,1-Dichloropropene	5.696	75	42117	19.299	ug/l	98
37) Ethyl Acetate	4.715	43	50716	19.568	ug/l	98
38) Carbon Tetrachloride	5.684	117	41198	19.190	ug/l	98
39) Methylcyclohexane	7.379	83	51274	20.059	ug/l	93
40) Benzene	6.044	78	124076	20.327	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	25004	19.393	ug/l #	86
42) 1,2-Dichloroethane	6.086	62	48353	19.827	ug/l	100
43) Isopropyl Acetate	6.342	43	76416	19.750	ug/l	98
44) Trichloroethene	7.129	130	31758	19.893	ug/l	96
45) 1,2-Dichloropropane	7.434	63	32014	20.265	ug/l	100
46) Dibromomethane	7.586	93	24416	19.927	ug/l	97
47) Bromodichloromethane	7.824	83	43760	20.076	ug/l	94
48) Methyl methacrylate	7.696	41	37179	20.129	ug/l	86
49) 1,4-Dioxane	7.659	88	19324	424.557	ug/l #	88
51) 4-Methyl-2-Pentanone	8.574	43	280366	105.054	ug/l	100
52) Toluene	8.720	92	81969	20.616	ug/l	94
53) t-1,3-Dichloropropene	8.982	75	44795	19.146	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	48190	19.604	ug/l	95
55) 1,1,2-Trichloroethane	9.153	97	34118	20.061	ug/l	93
56) Ethyl methacrylate	9.116	69	50363	19.315	ug/l	93
57) 1,3-Dichloropropane	9.311	76	56494	20.539	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	130666	102.089	ug/l	98
59) 2-Hexanone	9.427	43	225778	105.234	ug/l	98
60) Dibromochloromethane	9.518	129	32288	19.398	ug/l	99
61) 1,2-Dibromoethane	9.610	107	36990	20.113	ug/l	99
64) Tetrachloroethene	9.275	164	27682	19.981	ug/l	94
65) Chlorobenzene	10.079	112	89065	19.889	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.165	131	30877	20.390	ug/l	98
67) Ethyl Benzene	10.195	91	160980	20.139	ug/l	99
68) m/p-Xylenes	10.305	106	124399	40.249	ug/l	99
69) o-Xylene	10.640	106	60000	19.890	ug/l	96
70) Styrene	10.659	104	100794	20.518	ug/l	97
71) Bromoform	10.799	173	23165	18.409	ug/l #	100
73) Isopropylbenzene	10.963	105	159252	20.175	ug/l	99
74) N-amyl acetate	10.841	43	68031	20.182	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.213	83	60353	20.836	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	47678m	17.818	ug/l	
77) Bromobenzene	11.201	156	37998	19.717	ug/l	95
78) n-propylbenzene	11.305	91	197507	20.463	ug/l	99
79) 2-Chlorotoluene	11.366	91	113104	19.759	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	137883	20.247	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.018	75	14702	18.783	ug/l	96
82) 4-Chlorotoluene	11.457	91	134935	19.921	ug/l	98
83) tert-Butylbenzene	11.713	119	137230	20.622	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	139786	20.587	ug/l	99
85) sec-Butylbenzene	11.890	105	178413	20.697	ug/l	99
86) p-Isopropyltoluene	12.012	119	145919	20.517	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	76966	19.883	ug/l	98
88) 1,4-Dichlorobenzene	12.042	146	78012	19.741	ug/l	98
89) n-Butylbenzene	12.335	91	142642	20.139	ug/l	96
90) Hexachloroethane	12.536	117	22587	19.155	ug/l	93
91) 1,2-Dichlorobenzene	12.335	146	74655	20.064	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	14483	20.680	ug/l	92
93) 1,2,4-Trichlorobenzene	13.585	180	49908	19.999	ug/l	96
94) Hexachlorobutadiene	13.725	225	20351	20.261	ug/l	98
95) Naphthalene	13.774	128	172234	19.818	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	47923	19.833	ug/l	98

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

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