

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101223\
 Data File : VX038244.D
 Acq On : 12 Oct 2023 10:04
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Quant Time: Oct 13 04:43:03 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

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/13/2023
 Supervised By : Mahesh Dadoda 10/13/2023

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	135711	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.757	114	222703	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	224948	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	127086	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	106773	48.915	ug/l	-0.01
Spiked Amount 50.000	Range 78 - 117		Recovery =	97.840%		
35) Dibromofluoromethane	5.379	113	82411	51.356	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	102.720%		
50) Toluene-d8	8.647	98	310330	50.608	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	101.220%		
62) 4-Bromofluorobenzene	11.079	95	122340	52.626	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	105.260%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	64987	49.610	ug/l	100
3) Chloromethane	1.301	50	61178	45.822	ug/l	99
4) Vinyl Chloride	1.374	62	69965	47.264	ug/l	99
5) Bromomethane	1.599	94	100719	51.836	ug/l	97
6) Chloroethane	1.679	64	54972	50.703	ug/l	98
7) Trichlorofluoromethane	1.886	101	143775	49.172	ug/l	98
8) Diethyl Ether	2.130	74	52990	48.593	ug/l	80
9) 1,1,2-Trichlorotrifluo...	2.325	101	64865	50.816	ug/l	98
10) Methyl Iodide	2.447	142	85110	46.341	ug/l	94
11) Tert butyl alcohol	2.959	59	109213	225.570	ug/l #	92
12) 1,1-Dichloroethene	2.319	96	59931	48.267	ug/l	88
13) Acrolein	2.233	56	92328	297.533	ug/l	99
14) Allyl chloride	2.660	41	103189	46.463	ug/l	95
15) Acrylonitrile	3.056	53	247383	249.037	ug/l	100
16) Acetone	2.374	43	272166	298.755	ug/l	95
17) Carbon Disulfide	2.508	76	146661	40.982	ug/l	99
18) Methyl Acetate	2.697	43	196011	50.173	ug/l	93
19) Methyl tert-butyl Ether	3.111	73	242041	48.946	ug/l	98
20) Methylene Chloride	2.788	84	76146	44.437	ug/l	91
21) trans-1,2-Dichloroethene	3.087	96	71540	46.535	ug/l	89
22) Diisopropyl ether	3.757	45	226243	48.606	ug/l	89
23) Vinyl Acetate	3.715	43	855952	250.759	ug/l	97
24) 1,1-Dichloroethane	3.605	63	131703	46.624	ug/l	99
25) 2-Butanone	4.550	43	373790	254.300	ug/l	93
26) 2,2-Dichloropropane	4.471	77	105267	47.731	ug/l	96
27) cis-1,2-Dichloroethene	4.483	96	87140	47.593	ug/l	92
28) Bromochloromethane	4.891	49	66389	52.062	ug/l	88
29) Tetrahydrofuran	4.995	42	228556	238.830	ug/l	89
30) Chloroform	5.087	83	153152	49.580	ug/l	99
31) Cyclohexane	5.471	56	108080	45.701	ug/l	91
32) 1,1,1-Trichloroethane	5.379	97	127392	48.149	ug/l	99
36) 1,1-Dichloropropene	5.690	75	103651	46.840	ug/l	97
37) Ethyl Acetate	4.709	43	134696	51.252	ug/l	98
38) Carbon Tetrachloride	5.672	117	109220	50.172	ug/l	98
39) Methylcyclohexane	7.379	83	126904	48.960	ug/l	93
40) Benzene	6.031	78	304015	49.119	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.910	41	67498	51.628	ug/l #	90
42) 1,2-Dichloroethane	6.080	62	124041	50.161	ug/l	99
43) Isopropyl Acetate	6.336	43	200773	51.174	ug/l	97
44) Trichloroethene	7.123	130	82395	50.898	ug/l	99
45) 1,2-Dichloropropane	7.428	63	80991	50.559	ug/l	100
46) Dibromomethane	7.574	93	63788	51.342	ug/l	97
47) Bromodichloromethane	7.818	83	119008	53.845	ug/l	97
48) Methyl methacrylate	7.690	41	97716	52.173	ug/l #	85
49) 1,4-Dioxane	7.653	88	47040	1019.221	ug/l #	87
51) 4-Methyl-2-Pentanone	8.568	43	720417	266.216	ug/l	98
52) Toluene	8.714	92	205055	50.860	ug/l	93
53) t-1,3-Dichloropropene	8.976	75	129512	54.590	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	134591	53.997	ug/l	92
55) 1,1,2-Trichloroethane	9.147	97	92199	53.464	ug/l	95
56) Ethyl methacrylate	9.116	69	142144	53.760	ug/l	92
57) 1,3-Dichloropropane	9.305	76	147920	53.034	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	334369	257.633	ug/l	100
59) 2-Hexanone	9.427	43	595385	273.674	ug/l	95
60) Dibromochloromethane	9.519	129	96867	57.393	ug/l	99
61) 1,2-Dibromoethane	9.610	107	101246	54.291	ug/l	99
64) Tetrachloroethene	9.269	164	70419	48.357	ug/l	99
65) Chlorobenzene	10.079	112	231763	49.236	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	84672	53.195	ug/l	99
67) Ethyl Benzene	10.195	91	414837	49.372	ug/l	99
68) m/p-Xylenes	10.299	106	315886	97.230	ug/l	100
69) o-Xylene	10.640	106	155729	49.113	ug/l	99
70) Styrene	10.653	104	265618	51.439	ug/l	97
71) Bromoform	10.799	173	72485	49.141	ug/l #	100
73) Isopropylbenzene	10.963	105	413743	48.546	ug/l	99
74) N-amyl acetate	10.842	43	186433	51.224	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.213	83	163134	52.163	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	152810m	52.891	ug/l	
77) Bromobenzene	11.195	156	102552	49.286	ug/l	92
78) n-propylbenzene	11.305	91	510312	48.969	ug/l	100
79) 2-Chlorotoluene	11.360	91	294264	47.613	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	364663	49.594	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	46265	47.020	ug/l	92
82) 4-Chlorotoluene	11.451	91	353469	48.332	ug/l	97
83) tert-Butylbenzene	11.713	119	357692	49.785	ug/l	96
84) 1,2,4-Trimethylbenzene	11.750	105	367268	50.096	ug/l	99
85) sec-Butylbenzene	11.890	105	465401	50.005	ug/l	100
86) p-Isopropyltoluene	12.006	119	388016	50.531	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	203311	48.647	ug/l	98
88) 1,4-Dichlorobenzene	12.043	146	206165	48.319	ug/l	98
89) n-Butylbenzene	12.329	91	382718	50.046	ug/l	96
90) Hexachloroethane	12.536	117	66218	52.011	ug/l	93
91) 1,2-Dichlorobenzene	12.335	146	200740	49.969	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	39908	52.779	ug/l	87
93) 1,2,4-Trichlorobenzene	13.585	180	135545	50.305	ug/l	96
94) Hexachlorobutadiene	13.725	225	56749	52.328	ug/l	98
95) Naphthalene	13.774	128	462901	49.332	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	131707	50.483	ug/l	98

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

