

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112023\
 Data File : VX038946.D
 Acq On : 20 Nov 2023 10:03
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/21/2023
 Supervised By : Mahesh Dadoda 11/21/2023

Quant Time: Nov 21 00:14:23 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X111623W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 16 22:59:22 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	139796	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	249923	50.000	ug/l	-0.01
63) Chlorobenzene-d5	10.049	117	230008	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	118093	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	101402	45.016	ug/l	-0.01
Spiked Amount 50.000	Range 78 - 117		Recovery =	90.040%		
35) Dibromofluoromethane	5.379	113	82847	45.899	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	91.800%		
50) Toluene-d8	8.647	98	310921	45.022	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	90.040%#		
62) 4-Bromofluorobenzene	11.079	95	124271	44.952	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	89.900%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	83719	51.325	ug/l	98
3) Chloromethane	1.295	50	88637	41.633	ug/l	100
4) Vinyl Chloride	1.374	62	93497	45.590	ug/l	99
5) Bromomethane	1.599	94	63518	74.910	ug/l	100
6) Chloroethane	1.685	64	57643	49.253	ug/l	98
7) Trichlorofluoromethane	1.886	101	133283	51.216	ug/l	99
8) Diethyl Ether	2.130	74	53740	47.412	ug/l	92
9) 1,1,2-Trichlorotrifluo...	2.325	101	81893	47.451	ug/l	98
10) Methyl Iodide	2.453	142	92017	43.806	ug/l	92
11) Tert butyl alcohol	2.947	59	136358	217.645	ug/l #	92
12) 1,1-Dichloroethene	2.319	96	78675	45.154	ug/l	90
13) Acrolein	2.233	56	85369	257.549	ug/l	100
14) Allyl chloride	2.660	41	153655	44.046	ug/l	94
15) Acrylonitrile	3.056	53	287646	217.283	ug/l	99
16) Acetone	2.374	43	347866	290.095	ug/l	91
17) Carbon Disulfide	2.508	76	213450	39.548	ug/l	99
18) Methyl Acetate	2.697	43	253580	44.520	ug/l	98
19) Methyl tert-butyl Ether	3.105	73	295357	48.195	ug/l	98
20) Methylene Chloride	2.782	84	94339	43.642	ug/l	95
21) trans-1,2-Dichloroethene	3.087	96	86076	44.772	ug/l	93
22) Diisopropyl ether	3.751	45	297324	46.459	ug/l	93
23) Vinyl Acetate	3.715	43	1074876	233.207	ug/l	100
24) 1,1-Dichloroethane	3.605	63	164860	46.066	ug/l	100
25) 2-Butanone	4.544	43	455933	234.464	ug/l	96
26) 2,2-Dichloropropane	4.471	77	149091	48.027	ug/l	97
27) cis-1,2-Dichloroethene	4.483	96	101914	45.477	ug/l	96
28) Bromochloromethane	4.885	49	80101	46.618	ug/l	99
29) Tetrahydrofuran	4.989	42	275680	223.277	ug/l	98
30) Chloroform	5.087	83	166590	47.671	ug/l	99
31) Cyclohexane	5.464	56	143477	44.612	ug/l	99
32) 1,1,1-Trichloroethane	5.373	97	147250	48.648	ug/l	99
36) 1,1-Dichloropropene	5.684	75	122536	47.366	ug/l	98
37) Ethyl Acetate	4.702	43	155592	46.164	ug/l	98
38) Carbon Tetrachloride	5.666	117	125167	52.350	ug/l	96
39) Methylcyclohexane	7.379	83	155554	46.098	ug/l	95
40) Benzene	6.031	78	362285	47.348	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.910	41	81914	46.860	ug/l	93
42) 1,2-Dichloroethane	6.074	62	128583	50.722	ug/l	97
43) Isopropyl Acetate	6.330	43	257977	47.894	ug/l	98
44) Trichloroethene	7.117	130	91560	49.161	ug/l	95
45) 1,2-Dichloropropane	7.428	63	97436	47.320	ug/l	99
46) Dibromomethane	7.574	93	67935	49.474	ug/l	98
47) Bromodichloromethane	7.818	83	134020	49.175	ug/l	97
48) Methyl methacrylate	7.684	41	118805	45.459	ug/l	93
49) 1,4-Dioxane	7.653	88	45438	898.681	ug/l #	95
51) 4-Methyl-2-Pentanone	8.568	43	814053	236.488	ug/l	99
52) Toluene	8.714	92	223111	46.989	ug/l	93
53) t-1,3-Dichloropropene	8.970	75	156253	48.244	ug/l	98
54) cis-1,3-Dichloropropene	8.360	75	160912	48.098	ug/l	93
55) 1,1,2-Trichloroethane	9.147	97	94657	47.778	ug/l	95
56) Ethyl methacrylate	9.110	69	159569	47.602	ug/l	96
57) 1,3-Dichloropropane	9.305	76	156961	47.904	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	320649	205.339	ug/l	96
59) 2-Hexanone	9.427	43	669470	242.644	ug/l	98
60) Dibromochloromethane	9.519	129	101705	50.487	ug/l	99
61) 1,2-Dibromoethane	9.604	107	99531	47.876	ug/l	99
64) Tetrachloroethene	9.269	164	70971	49.641	ug/l	96
65) Chlorobenzene	10.073	112	240412	48.523	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.159	131	87626	49.166	ug/l	97
67) Ethyl Benzene	10.189	91	446844	49.088	ug/l	100
68) m/p-Xylenes	10.299	106	337753	98.087	ug/l	99
69) o-Xylene	10.640	106	164338	48.232	ug/l	98
70) Styrene	10.653	104	277950	48.303	ug/l	98
71) Bromoform	10.799	173	76398	51.420	ug/l #	100
73) Isopropylbenzene	10.957	105	434059	47.175	ug/l	99
74) N-amyl acetate	10.842	43	225014	46.262	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.207	83	161970	45.095	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	141006m	47.857	ug/l	
77) Bromobenzene	11.195	156	96902	46.870	ug/l	98
78) n-propylbenzene	11.305	91	533704	47.124	ug/l	99
79) 2-Chlorotoluene	11.360	91	309108	45.989	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	371770	48.054	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	58269	43.866	ug/l #	84
82) 4-Chlorotoluene	11.451	91	368286	47.521	ug/l	100
83) tert-Butylbenzene	11.713	119	365404	47.957	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	373272	47.669	ug/l	99
85) sec-Butylbenzene	11.890	105	475270	47.687	ug/l	100
86) p-Isopropyltoluene	12.006	119	384249	48.028	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	192144	47.460	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	195367	47.148	ug/l	100
89) n-Butylbenzene	12.329	91	382431	47.377	ug/l	97
90) Hexachloroethane	12.536	117	77351	48.414	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	185167	48.221	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	40436	45.950	ug/l	90
93) 1,2,4-Trichlorobenzene	13.585	180	123805	48.113	ug/l	96
94) Hexachlorobutadiene	13.725	225	45739	50.194	ug/l	98
95) Naphthalene	13.774	128	435969	45.491	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	118208	48.460	ug/l	100

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

