

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100523\
 Data File : VX038095.D
 Acq On : 05 Oct 2023 11:54
 Operator : JC/MD
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC150

Quant Time: Oct 05 15:08:03 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100523W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 05 12:40:32 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 10/05/2023
 Supervised By : Mahesh Dadoda 10/06/2023

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	164363	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	282655	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	279164	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	154769	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	385974	145.999	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 292.000%#			
35) Dibromofluoromethane	5.385	113	310135	152.273	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 304.540%#			
50) Toluene-d8	8.653	98	1186502	152.452	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 304.900%#			
62) 4-Bromofluorobenzene	11.079	95	456647	154.768	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 309.540%#			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.167	85	258389	162.865	ug/l	99
3) Chloromethane	1.307	50	225529	139.473	ug/l	98
4) Vinyl Chloride	1.374	62	263346	146.887	ug/l	98
5) Bromomethane	1.599	94	344050	147.782	ug/l	98
6) Chloroethane	1.660	64	247116	151.081	ug/l	97
7) Trichlorofluoromethane	1.874	101	569371	160.782	ug/l	99
8) Diethyl Ether	2.136	74	209466	158.600	ug/l	79
9) 1,1,2-Trichlorotrifluo...	2.325	101	244639	158.245	ug/l	99
10) Methyl Iodide	2.447	142	354553	159.395	ug/l	96
11) Tert butyl alcohol	2.989	59	423970	748.620	ug/l	# 92
12) 1,1-Dichloroethene	2.313	96	243038	161.617	ug/l	91
13) Acrolein	2.239	56	304742	810.858	ug/l	100
14) Allyl chloride	2.660	41	421642	156.758	ug/l	# 94
15) Acrylonitrile	3.069	53	878670	730.350	ug/l	99
16) Acetone	2.386	43	786525	712.861	ug/l	91
17) Carbon Disulfide	2.508	76	696711	160.748	ug/l	99
18) Methyl Acetate	2.703	43	710033	150.065	ug/l	93
19) Methyl tert-butyl Ether	3.117	73	939295	156.833	ug/l	98
20) Methylene Chloride	2.788	84	297025	143.120	ug/l	90
21) trans-1,2-Dichloroethene	3.087	96	290123	155.819	ug/l	91
22) Diisopropyl ether	3.764	45	864628	153.376	ug/l	# 85
23) Vinyl Acetate	3.727	43	3187404	771.001	ug/l	# 94
24) 1,1-Dichloroethane	3.611	63	515466	150.669	ug/l	99
25) 2-Butanone	4.562	43	1263411	709.700	ug/l	91
26) 2,2-Dichloropropane	4.477	77	429808	160.912	ug/l	97
27) cis-1,2-Dichloroethene	4.489	96	337116	152.027	ug/l	92
28) Bromochloromethane	4.904	49	230485	149.238	ug/l	86
29) Tetrahydrofuran	5.007	42	835681	721.021	ug/l	88
30) Chloroform	5.093	83	577680	154.413	ug/l	98
31) Cyclohexane	5.471	56	437488	152.742	ug/l	93
32) 1,1,1-Trichloroethane	5.385	97	518826	161.911	ug/l	98
36) 1,1-Dichloropropene	5.696	75	414375	147.539	ug/l	98
37) Ethyl Acetate	4.721	43	494981	148.394	ug/l	97
38) Carbon Tetrachloride	5.678	117	443074	160.364	ug/l	99
39) Methylcyclohexane	7.379	83	506377	153.926	ug/l	94
40) Benzene	6.038	78	1201133	152.904	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	255322	153.870	ug/l #	91
42) 1,2-Dichloroethane	6.086	62	464323	147.942	ug/l	99
43) Isopropyl Acetate	6.342	43	779555	156.554	ug/l	96
44) Trichloroethene	7.129	130	322063	156.752	ug/l	98
45) 1,2-Dichloropropane	7.434	63	305320	150.172	ug/l	98
46) Dibromomethane	7.580	93	240837	152.730	ug/l	97
47) Bromodichloromethane	7.824	83	457349	163.036	ug/l	96
48) Methyl methacrylate	7.696	41	368563	155.046	ug/l #	87
49) 1,4-Dioxane	7.665	88	172416	2943.390	ug/l #	88
51) 4-Methyl-2-Pentanone	8.580	43	2530950	736.891	ug/l	94
52) Toluene	8.720	92	815663	159.399	ug/l	96
53) t-1,3-Dichloropropene	8.976	75	525462	174.508	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	530565	167.710	ug/l	91
55) 1,1,2-Trichloroethane	9.153	97	338198	154.517	ug/l	93
56) Ethyl methacrylate	9.116	69	546994	162.999	ug/l	92
57) 1,3-Dichloropropane	9.311	76	541550	152.981	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.245	63	1278661	776.249	ug/l	98
59) 2-Hexanone	9.433	43	2030420	735.343	ug/l	93
60) Dibromochloromethane	9.525	129	375693	175.383	ug/l	100
61) 1,2-Dibromoethane	9.610	107	375463	158.631	ug/l	99
64) Tetrachloroethene	9.275	164	276920	153.229	ug/l	98
65) Chlorobenzene	10.080	112	872003	149.274	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	325827	164.945	ug/l	99
67) Ethyl Benzene	10.195	91	1593066	152.779	ug/l	99
68) m/p-Xylenes	10.305	106	1270066	315.007	ug/l	96
69) o-Xylene	10.640	106	613543	155.917	ug/l	98
70) Styrene	10.659	104	1041244	162.482	ug/l	97
71) Bromoform	10.799	173	291364	152.756	ug/l #	100
73) Isopropylbenzene	10.964	105	1603129	154.455	ug/l	98
74) N-amyl acetate	10.842	43	710271	160.248	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.213	83	570176	149.708	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	523338m	148.740	ug/l	
77) Bromobenzene	11.201	156	386513	152.530	ug/l	92
78) n-propylbenzene	11.305	91	1905873	150.173	ug/l	99
79) 2-Chlorotoluene	11.366	91	1108958	147.340	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	1419443	158.516	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	194422	152.365	ug/l	87
82) 4-Chlorotoluene	11.457	91	1358900	152.576	ug/l	97
83) tert-Butylbenzene	11.713	119	1385828	158.384	ug/l	96
84) 1,2,4-Trimethylbenzene	11.750	105	1386336	155.276	ug/l	97
85) sec-Butylbenzene	11.890	105	1735593	153.127	ug/l	99
86) p-Isopropyltoluene	12.012	119	1478608	158.116	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	753467	148.038	ug/l	98
88) 1,4-Dichlorobenzene	12.043	146	763555	146.945	ug/l	98
89) n-Butylbenzene	12.335	91	1462685	157.055	ug/l	98
90) Hexachloroethane	12.536	117	270528	174.480	ug/l	95
91) 1,2-Dichlorobenzene	12.335	146	749504	153.199	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	147405	160.076	ug/l	86
93) 1,2,4-Trichlorobenzene	13.585	180	509144	155.162	ug/l	97
94) Hexachlorobutadiene	13.725	225	201883	152.859	ug/l	98
95) Naphthalene	13.774	128	1768478	154.759	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	499215	157.122	ug/l	98

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

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