

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100322\
 Data File : VX031835.D
 Acq On : 03 Oct 2022 15:46
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/04/2022
 Supervised By : Mahesh Dadoda 10/06/2022

Quant Time: Oct 04 07:01:56 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100322W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 04 06:59:30 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	111514	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	153457	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	172518	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	135640	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	89044	44.570	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	89.140%		
35) Dibromofluoromethane	5.385	113	92829	50.914	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	101.820%		
50) Toluene-d8	8.647	98	336851	51.646	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	103.300%		
62) 4-Bromofluorobenzene	11.079	95	123018	52.376	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	104.760%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	78172	54.225	ug/l	98
3) Chloromethane	1.288	50	67719	44.810	ug/l	98
4) Vinyl Chloride	1.374	62	87289	45.343	ug/l	98
5) Bromomethane	1.611	94	71857	58.924	ug/l	100
6) Chloroethane	1.685	64	89665	54.732	ug/l	95
7) Trichlorofluoromethane	1.886	101	175765	44.739	ug/l	99
8) Diethyl Ether	2.130	74	56598	54.437	ug/l	73
9) 1,1,2-Trichlorotrifluo...	2.325	101	81710	48.146	ug/l	# 87
10) Methyl Iodide	2.453	142	89436	56.138	ug/l	98
11) Tert butyl alcohol	3.020	59	70584	253.768	ug/l	# 94
12) 1,1-Dichloroethene	2.319	96	76230	48.916	ug/l	81
13) Acrolein	2.239	56	36509	221.705	ug/l	99
14) Allyl chloride	2.660	41	91658	46.077	ug/l	# 92
15) Acrylonitrile	3.062	53	171167	235.592	ug/l	98
16) Acetone	2.392	43	131905	287.252	ug/l	92
17) Carbon Disulfide	2.508	76	195289	54.531	ug/l	99
18) Methyl Acetate	2.703	43	87151	46.635	ug/l	# 83
19) Methyl tert-butyl Ether	3.111	73	248601	49.002	ug/l	96
20) Methylene Chloride	2.788	84	82032	46.936	ug/l	# 79
21) trans-1,2-Dichloroethene	3.087	96	88631	48.514	ug/l	88
22) Diisopropyl ether	3.757	45	197870	46.912	ug/l	# 91
23) Vinyl Acetate	3.721	43	785153	248.850	ug/l	# 87
24) 1,1-Dichloroethane	3.605	63	131995	46.565	ug/l	95
25) 2-Butanone	4.562	43	220091	240.084	ug/l	# 83
26) 2,2-Dichloropropane	4.477	77	118746	49.068	ug/l	93
27) cis-1,2-Dichloroethene	4.489	96	103447	48.699	ug/l	79
28) Bromochloromethane	4.891	49	52681	45.985	ug/l	# 48
29) Tetrahydrofuran	5.013	42	137267	242.511	ug/l	# 78
30) Chloroform	5.093	83	162273	47.853	ug/l	96
31) Cyclohexane	5.471	56	113218	47.583	ug/l	# 79
32) 1,1,1-Trichloroethane	5.379	97	155136	48.209	ug/l	# 94
36) 1,1-Dichloropropene	5.690	75	114888	50.819	ug/l	92
37) Ethyl Acetate	4.708	43	84825	49.568	ug/l	# 91
38) Carbon Tetrachloride	5.678	117	146938	52.356	ug/l	97
39) Methylcyclohexane	7.379	83	149019	53.731	ug/l	# 85
40) Benzene	6.037	78	338014	51.756	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	47052	50.598	ug/l #	88
42) 1,2-Dichloroethane	6.086	62	112383	49.119	ug/l	93
43) Isopropyl Acetate	6.336	43	141686	51.207	ug/l #	89
44) Trichloroethene	7.123	130	113732	53.904	ug/l	83
45) 1,2-Dichloropropane	7.427	63	77823	50.864	ug/l	98
46) Dibromomethane	7.580	93	66813	52.390	ug/l #	83
47) Bromodichloromethane	7.818	83	127606	49.996	ug/l	99
48) Methyl methacrylate	7.690	41	65961	53.273	ug/l #	82
49) 1,4-Dioxane	7.702	88	41871	1043.337	ug/l #	83
51) 4-Methyl-2-Pentanone	8.574	43	443992	255.632	ug/l	88
52) Toluene	8.720	92	242242	52.908	ug/l	97
53) t-1,3-Dichloropropene	8.976	75	129963	53.399	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	139671	52.372	ug/l #	84
55) 1,1,2-Trichloroethane	9.153	97	97590	53.476	ug/l	93
56) Ethyl methacrylate	9.116	69	123379	58.471	ug/l #	80
57) 1,3-Dichloropropane	9.311	76	147080	51.897	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.244	63	275483	253.353	ug/l #	80
59) 2-Hexanone	9.433	43	339374	268.777	ug/l	86
60) Dibromochloromethane	9.519	129	122638	55.356	ug/l	98
61) 1,2-Dibromoethane	9.610	107	108490	53.537	ug/l	98
64) Tetrachloroethene	9.275	164	121453	56.312	ug/l	95
65) Chlorobenzene	10.079	112	277689	53.085	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	110809	55.034	ug/l	98
67) Ethyl Benzene	10.195	91	461074	53.547	ug/l	95
68) m/p-Xylenes	10.299	106	392768	110.488	ug/l	89
69) o-Xylene	10.640	106	189352	55.289	ug/l	90
70) Styrene	10.659	104	309003	55.510	ug/l	95
71) Bromoform	10.799	173	94879	56.036	ug/l #	99
73) Isopropylbenzene	10.963	105	493365	51.494	ug/l	98
74) N-amyl acetate	10.842	43	122567	54.621	ug/l #	85
75) 1,1,2,2-Tetrachloroethane	11.213	83	134178	49.201	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	105403m	42.711	ug/l	
77) Bromobenzene	11.195	156	136657	54.079	ug/l	80
78) n-propylbenzene	11.305	91	543105	51.863	ug/l	94
79) 2-Chlorotoluene	11.366	91	316359	49.998	ug/l	91
80) 1,3,5-Trimethylbenzene	11.451	105	421031	52.625	ug/l	95
81) trans-1,4-Dichloro-2-b...	11.018	75	38516	53.577	ug/l	92
82) 4-Chlorotoluene	11.457	91	369882	50.645	ug/l	91
83) tert-Butylbenzene	11.713	119	422162	52.205	ug/l	94
84) 1,2,4-Trimethylbenzene	11.750	105	417432	52.424	ug/l	95
85) sec-Butylbenzene	11.890	105	516891	53.097	ug/l	96
86) p-Isopropyltoluene	12.012	119	465144	54.750	ug/l	96
87) 1,3-Dichlorobenzene	11.969	146	261527	54.849	ug/l	98
88) 1,4-Dichlorobenzene	12.043	146	260305	52.270	ug/l	96
89) n-Butylbenzene	12.335	91	356768	53.165	ug/l	96
90) Hexachloroethane	12.536	117	78910	51.487	ug/l	82
91) 1,2-Dichlorobenzene	12.335	146	256766	53.771	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	12.945	75	29527	51.487	ug/l	59
93) 1,2,4-Trichlorobenzene	13.591	180	173871	59.493	ug/l	98
94) Hexachlorobutadiene	13.725	225	70263	58.427	ug/l	97
95) Naphthalene	13.774	128	523697	57.527	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	167560	59.125	ug/l	98

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

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