

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100322\
 Data File : VX031833.D
 Acq On : 03 Oct 2022 14:24
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX100322

Quant Time: Oct 04 07:00:53 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

Manual Integrations
 APPROVED

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

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	99009	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.757	114	137931	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	159203	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	124079	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	84950	47.891	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	95.780%		
35) Dibromofluoromethane	5.379	113	86861	53.004	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	106.000%		
50) Toluene-d8	8.647	98	319947	54.576	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	109.160%		
62) 4-Bromofluorobenzene	11.079	95	117764	55.783	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	111.560%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	72779	56.860	ug/l	99
3) Chloromethane	1.288	50	63097	47.024	ug/l	99
4) Vinyl Chloride	1.374	62	80279	46.968	ug/l	98
5) Bromomethane	1.611	94	63042	58.158	ug/l	99
6) Chloroethane	1.685	64	74857	51.373	ug/l	97
7) Trichlorofluoromethane	1.886	101	155719	44.643	ug/l	98
8) Diethyl Ether	2.130	74	50652	54.900	ug/l	73
9) 1,1,2-Trichlorotrifluo...	2.325	101	73829	48.997	ug/l	# 86
10) Methyl Iodide	2.447	142	76961	54.409	ug/l	97
11) Tert butyl alcohol	3.008	59	65341	264.588	ug/l	95
12) 1,1-Dichloroethene	2.319	96	69036	49.895	ug/l	# 79
13) Acrolein	2.239	56	33965	232.306	ug/l	99
14) Allyl chloride	2.660	41	82195	46.539	ug/l	# 91
15) Acrylonitrile	3.062	53	150188	232.826	ug/l	98
16) Acetone	2.392	43	114291	279.880	ug/l	90
17) Carbon Disulfide	2.508	76	176221	55.468	ug/l	100
18) Methyl Acetate	2.703	43	76878	46.333	ug/l	# 81
19) Methyl tert-butyl Ether	3.111	73	220620	48.979	ug/l	94
20) Methylene Chloride	2.788	84	74530	48.029	ug/l	# 81
21) trans-1,2-Dichloroethene	3.087	96	80079	49.369	ug/l	85
22) Diisopropyl ether	3.751	45	177074	47.284	ug/l	# 80
23) Vinyl Acetate	3.715	43	692127	247.072	ug/l	# 86
24) 1,1-Dichloroethane	3.605	63	117801	46.807	ug/l	96
25) 2-Butanone	4.556	43	190788	234.405	ug/l	# 82
26) 2,2-Dichloropropane	4.471	77	104256	48.522	ug/l	93
27) cis-1,2-Dichloroethene	4.483	96	92588	49.092	ug/l	79
28) Bromochloromethane	4.897	49	46784	45.995	ug/l	# 45
29) Tetrahydrofuran	5.007	42	120793	240.360	ug/l	# 76
30) Chloroform	5.086	83	144283	47.921	ug/l	100
31) Cyclohexane	5.464	56	102324	48.436	ug/l	# 83
32) 1,1,1-Trichloroethane	5.379	97	137347	48.071	ug/l	95
36) 1,1-Dichloropropene	5.690	75	103322	50.848	ug/l	93
37) Ethyl Acetate	4.702	43	76030	49.430	ug/l	# 92
38) Carbon Tetrachloride	5.672	117	131346	52.069	ug/l	98
39) Methylcyclohexane	7.373	83	134407	53.918	ug/l	# 85
40) Benzene	6.031	78	300361	51.168	ug/l	99

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41) Methacrylonitrile	4.916	41	40168	48.058	ug/l #	87
42) 1,2-Dichloroethane	6.080	62	100674	48.955	ug/l	93
43) Isopropyl Acetate	6.336	43	125894	50.621	ug/l #	90
44) Trichloroethene	7.123	130	99165	52.290	ug/l	90
45) 1,2-Dichloropropane	7.427	63	68453	49.776	ug/l	100
46) Dibromomethane	7.574	93	59459	51.872	ug/l #	84
47) Bromodichloromethane	7.818	83	115689	50.429	ug/l	99
48) Methyl methacrylate	7.690	41	57866	51.995	ug/l #	81
49) 1,4-Dioxane	7.702	88	39597	1097.737	ug/l #	82
51) 4-Methyl-2-Pentanone	8.574	43	392847	251.645	ug/l	88
52) Toluene	8.714	92	215470	52.358	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	117870	53.882	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	126465	52.758	ug/l #	84
55) 1,1,2-Trichloroethane	9.153	97	86861	52.954	ug/l	95
56) Ethyl methacrylate	9.116	69	108576	57.247	ug/l #	82
57) 1,3-Dichloropropane	9.305	76	132460	51.999	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.238	63	256989	262.949	ug/l #	80
59) 2-Hexanone	9.427	43	294692	259.661	ug/l	86
60) Dibromochloromethane	9.519	129	108707	54.591	ug/l	99
61) 1,2-Dibromoethane	9.610	107	97156	53.341	ug/l	99
64) Tetrachloroethene	9.275	164	108560	54.543	ug/l	93
65) Chlorobenzene	10.079	112	250463	51.885	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.159	131	98875	53.214	ug/l	98
67) Ethyl Benzene	10.195	91	413608	52.052	ug/l	95
68) m/p-Xylenes	10.299	106	348767	106.315	ug/l	90
69) o-Xylene	10.640	106	171242	54.183	ug/l	89
70) Styrene	10.653	104	284871	55.455	ug/l	93
71) Bromoform	10.799	173	85203	54.529	ug/l #	96
73) Isopropylbenzene	10.963	105	447486	51.057	ug/l	98
74) N-amyl acetate	10.841	43	107161	52.205	ug/l #	85
75) 1,1,2,2-Tetrachloroethane	11.213	83	120826	48.433	ug/l	97
76) 1,2,3-Trichloropropane	11.238	75	92455m	40.955	ug/l	
77) Bromobenzene	11.195	156	123002	53.210	ug/l	81
78) n-propylbenzene	11.305	91	489076	51.055	ug/l	94
79) 2-Chlorotoluene	11.366	91	283644	49.005	ug/l	91
80) 1,3,5-Trimethylbenzene	11.451	105	379023	51.789	ug/l	95
81) trans-1,4-Dichloro-2-b...	11.018	75	34607	52.625	ug/l	90
82) 4-Chlorotoluene	11.457	91	333960	49.987	ug/l	92
83) tert-Butylbenzene	11.713	119	380870	51.487	ug/l	94
84) 1,2,4-Trimethylbenzene	11.750	105	377387	51.811	ug/l	95
85) sec-Butylbenzene	11.890	105	467648	52.515	ug/l	95
86) p-Isopropyltoluene	12.012	119	419169	53.935	ug/l	96
87) 1,3-Dichlorobenzene	11.969	146	234303	53.718	ug/l	98
88) 1,4-Dichlorobenzene	12.043	146	238110	52.268	ug/l	97
89) n-Butylbenzene	12.335	91	328354	53.490	ug/l	96
90) Hexachloroethane	12.536	117	71543	51.030	ug/l	83
91) 1,2-Dichlorobenzene	12.335	146	229770	52.601	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	25975	49.514	ug/l	58
93) 1,2,4-Trichlorobenzene	13.591	180	154258	57.700	ug/l	96
94) Hexachlorobutadiene	13.725	225	65355	59.409	ug/l	97
95) Naphthalene	13.774	128	469760	56.410	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	152645	58.881	ug/l	98

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

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