

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060421\
 Data File : VX022408.D
 Acq On : 04 Jun 2021 11:38
 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

MMDadoda
 6/7/2021 4:58:58 PM

Quant Time: Jun 04 13:24:07 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051921W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 19 14:23:10 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	82649	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.769	114	161524	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	145288	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	63761	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	61528	48.260	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	96.520%
35) Dibromofluoromethane	5.391	113	45858	44.770	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	89.540%
50) Toluene-d8	8.653	98	176657	44.771	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	89.540%#
62) 4-Bromofluorobenzene	11.085	95	66570	45.645	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	91.300%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	49068	48.835	ug/l	97
3) Chloromethane	1.294	50	52079	48.052	ug/l	95
4) Vinyl Chloride	1.374	62	55703	48.570	ug/l	99
5) Bromomethane	1.599	94	33103	49.510	ug/l	99
6) Chloroethane	1.678	64	33470	49.014	ug/l	99
7) Trichlorofluoromethane	1.880	101	80155	48.610	ug/l	95
8) Diethyl Ether	2.136	74	32111	45.281	ug/l	87
9) 1,1,2-Trichlorotrifluo...	2.325	101	49432	50.484	ug/l	90
10) Methyl Iodide	2.453	142	54800	52.078	ug/l	97
11) Tert butyl alcohol	2.977	59	69142	237.113	ug/l	100
12) 1,1-Dichloroethene	2.319	96	47545	50.193	ug/l	94
13) Acrolein	2.239	56	39679	205.167	ug/l	99
14) Allyl chloride	2.666	41	92314	53.061	ug/l	96
15) Acrylonitrile	3.068	53	153557	267.486	ug/l	99
16) Acetone	2.386	43	159977	288.177	ug/l	96
17) Carbon Disulfide	2.508	76	118224	47.653	ug/l	98
18) Methyl Acetate	2.709	43	78235	52.991	ug/l	92
19) Methyl tert-butyl Ether	3.123	73	166655	51.359	ug/l	98
20) Methylene Chloride	2.788	84	57686	46.801	ug/l	89
21) trans-1,2-Dichloroethene	3.093	96	54928	53.311	ug/l	99
22) Diisopropyl ether	3.770	45	180335	53.816	ug/l	96
23) Vinyl Acetate	3.727	43	876051	271.529	ug/l	95
24) 1,1-Dichloroethane	3.611	63	102041	51.891	ug/l	99
25) 2-Butanone	4.562	43	248707	276.926	ug/l	94
26) 2,2-Dichloropropane	4.477	77	88821	50.882	ug/l	97
27) cis-1,2-Dichloroethene	4.495	96	65574	52.333	ug/l	97
28) Bromochloromethane	4.903	49	46218	48.448	ug/l	# 81
29) Tetrahydrofuran	5.013	42	143277	268.038	ug/l	89
30) Chloroform	5.099	83	103466	50.923	ug/l	98
31) Cyclohexane	5.470	56	85852	53.587	ug/l	93
32) 1,1,1-Trichloroethane	5.391	97	87498	50.397	ug/l	97
36) 1,1-Dichloropropene	5.696	75	78955	52.862	ug/l	98
37) Ethyl Acetate	4.721	43	94712	51.729	ug/l	94
38) Carbon Tetrachloride	5.684	117	71706	49.078	ug/l	99
39) Methylcyclohexane	7.385	83	90366	53.346	ug/l	98
40) Benzene	6.043	78	240096	52.245	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	51982	53.070	ug/l	93
42) 1,2-Dichloroethane	6.092	62	85003	52.796	ug/l	97
43) Isopropyl Acetate	6.348	43	156192	52.154	ug/l	93
44) Trichloroethene	7.129	130	57538	50.384	ug/l	92
45) 1,2-Dichloropropane	7.433	63	62151	53.016	ug/l	93
46) Dibromomethane	7.586	93	40625	51.080	ug/l #	86
47) Bromodichloromethane	7.824	83	77416	48.643	ug/l	95
48) Methyl methacrylate	7.696	41	72834	52.772	ug/l	91
49) 1,4-Dioxane	7.665	88	27018	1005.445	ug/l	97
51) 4-Methyl-2-Pentanone	8.580	43	485167	270.451	ug/l	90
52) Toluene	8.720	92	145849	50.114	ug/l	100
53) t-1,3-Dichloropropene	8.982	75	92327	50.257	ug/l	96
54) cis-1,3-Dichloropropene	8.366	75	100134	50.699	ug/l	93
55) 1,1,2-Trichloroethane	9.153	97	58370	49.404	ug/l	96
56) Ethyl methacrylate	9.122	69	98805	51.745	ug/l #	86
57) 1,3-Dichloropropane	9.311	76	104690	51.900	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.244	63	245923	238.130	ug/l	97
59) 2-Hexanone	9.433	43	373871	277.102	ug/l	89
60) Dibromochloromethane	9.525	129	52937	46.056	ug/l	97
61) 1,2-Dibromoethane	9.610	107	58888	50.060	ug/l	99
64) Tetrachloroethene	9.275	164	47850	50.164	ug/l #	90
65) Chlorobenzene	10.079	112	149304	49.366	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	52045	49.523	ug/l	97
67) Ethyl Benzene	10.195	91	282706	50.812	ug/l	99
68) m/p-Xylenes	10.305	106	207467	98.666	ug/l	97
69) o-Xylene	10.646	106	100452	49.119	ug/l	97
70) Styrene	10.659	104	170657	50.939	ug/l	98
71) Bromoform	10.805	173	31211	39.070	ug/l #	99
73) Isopropylbenzene	10.963	105	265909	49.274	ug/l	100
74) N-amyl acetate	10.848	43	137924	53.845	ug/l	91
75) 1,1,2,2-Tetrachloroethane	11.213	83	92227	51.561	ug/l	99
76) 1,2,3-Trichloropropane	11.244	75	83108m	52.834	ug/l	
77) Bromobenzene	11.201	156	55619	48.608	ug/l	85
78) n-propylbenzene	11.305	91	322926	51.088	ug/l	98
79) 2-Chlorotoluene	11.366	91	187613	48.936	ug/l	97
80) 1,3,5-Trimethylbenzene	11.457	105	225110	50.330	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.024	75	30767	46.343	ug/l	93
82) 4-Chlorotoluene	11.457	91	219638	49.726	ug/l	95
83) tert-Butylbenzene	11.719	119	207056	48.269	ug/l	91
84) 1,2,4-Trimethylbenzene	11.756	105	229440	50.964	ug/l	98
85) sec-Butylbenzene	11.896	105	273717	50.213	ug/l	99
86) p-Isopropyltoluene	12.012	119	229920	49.939	ug/l	96
87) 1,3-Dichlorobenzene	11.969	146	108059	48.980	ug/l	96
88) 1,4-Dichlorobenzene	12.042	146	108292	47.488	ug/l	96
89) n-Butylbenzene	12.335	91	227840	53.499	ug/l	96
90) Hexachloroethane	12.542	117	33531	44.068	ug/l	74
91) 1,2-Dichlorobenzene	12.341	146	104283	49.212	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	12.945	75	18727	48.927	ug/l	80
93) 1,2,4-Trichlorobenzene	13.591	180	62822	49.130	ug/l	98
94) Hexachlorobutadiene	13.725	225	23050	46.184	ug/l	98
95) Naphthalene	13.780	128	253534	50.842	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	62716	48.657	ug/l	96

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

