

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX012420\
 Data File : VX014711.D
 Acq On : 24 Jan 2020 20:49
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 1/27/2020 10:35:51 AM

Quant Time: Jan 24 23:52:42 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X012220W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 22 12:35:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	432593	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	659652	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	600018	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	300670	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	249553	49.40	ug/l	0.00
Spiked Amount			Recovery	=	98.80%	
35) Dibromofluoromethane	5.49	113	203391	48.86	ug/l	0.00
Spiked Amount			Recovery	=	97.72%	
50) Toluene-d8	8.71	98	787844	49.23	ug/l	0.00
Spiked Amount			Recovery	=	98.46%	
62) 4-Bromofluorobenzene	11.13	95	279284	49.00	ug/l	0.00
Spiked Amount			Recovery	=	98.00%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	282328	48.637	ug/l	99
3) Chloromethane	1.32	50	285029	48.704	ug/l	99
4) Vinyl Chloride	1.40	62	331608	52.406	ug/l	99
5) Bromomethane	1.63	94	205049	47.709	ug/l	100
6) Chloroethane	1.72	64	175009	48.295	ug/l	97
7) Trichlorofluoromethane	1.92	101	361450	49.058	ug/l	99
8) Diethyl Ether	2.18	74	153710	47.797	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	209794	48.505	ug/l	99
10) Methyl Iodide	2.50	142	296922	52.318	ug/l	99
11) Tert butyl alcohol	3.03	59	250508	220.877	ug/l	100
12) 1,1-Dichloroethene	2.37	96	208559	48.498	ug/l	98
13) Acrolein	2.28	56	321482	359.498	ug/l	98
14) Allyl chloride	2.72	41	376334	48.687	ug/l	100
15) Acrylonitrile	3.13	53	641231	244.356	ug/l	100
16) Acetone	2.44	43	545229	196.962	ug/l	98
17) Carbon Disulfide	2.56	76	555320	47.248	ug/l	100
18) Methyl Acetate	2.76	43	401045	50.747	ug/l	99
19) Methyl tert-butyl Ether	3.19	73	702763	49.893	ug/l	100
20) Methylene Chloride	2.85	84	239718	46.791	ug/l	97
21) trans-1,2-Dichloroethene	3.15	96	224528	47.419	ug/l	98
22) Diisopropyl ether	3.84	45	767026	49.877	ug/l	98
23) Vinyl Acetate	3.80	43	2280358	194.522	ug/l	100
24) 1,1-Dichloroethane	3.69	63	415833	49.791	ug/l	99
25) 2-Butanone	4.66	43	887678	223.778	ug/l	98
26) 2,2-Dichloropropane	4.57	77	304505	45.552	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	257777	48.643	ug/l	99
28) Bromochloromethane	5.01	49	162348	44.237	ug/l	100
29) Tetrahydrofuran	5.11	42	579302	246.055	ug/l	99
30) Chloroform	5.20	83	403068	48.719	ug/l	99
31) Cyclohexane	5.57	56	382195	48.655	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	342537	48.982	ug/l	98
36) 1,1-Dichloropropene	5.79	75	307575	50.180	ug/l	99
37) Ethyl Acetate	4.82	43	341188	48.600	ug/l	98
38) Carbon Tetrachloride	5.78	117	291903	49.865	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	376359	49.013	ug/l	97
40) Benzene	6.14	78	938636	49.561	ug/l	100
41) Methacrylonitrile	5.03	41	193275	48.248	ug/l	98
42) 1,2-Dichloroethane	6.18	62	326036	49.852	ug/l	100
43) Isopropyl Acetate	6.43	43	566904	49.313	ug/l	100
44) Trichloroethene	7.21	130	269933	50.459	ug/l	99
45) 1,2-Dichloropropane	7.51	63	246379	50.497	ug/l	98
46) Dibromomethane	7.65	93	158083	50.027	ug/l	98
47) Bromodichloromethane	7.89	83	313655	50.608	ug/l	98
48) Methyl methacrylate	7.76	41	285649	52.005	ug/l	99
49) 1,4-Dioxane	7.73	88	110042	945.105	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	1800085	248.091	ug/l	100
52) Toluene	8.78	92	592031	50.854	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	343381	51.455	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	380085	51.773	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	243112	51.005	ug/l	99
56) Ethyl methacrylate	9.17	69	383551	47.556	ug/l	100
57) 1,3-Dichloropropane	9.37	76	407720	50.039	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	627864	261.930	ug/l	100
59) 2-Hexanone	9.48	43	1353072	240.317	ug/l	99
60) Dibromochloromethane	9.58	129	254036	51.061	ug/l	100
61) 1,2-Dibromoethane	9.67	107	254152	50.432	ug/l	98
64) Tetrachloroethene	9.33	164	370793	62.429	ug/l	97
65) Chlorobenzene	10.14	112	632548	49.287	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.21	131	238343	50.368	ug/l	99
67) Ethyl Benzene	10.25	91	1121073	51.158	ug/l	100
68) m/p-Xylenes	10.35	106	863831	104.051	ug/l	99
69) o-Xylene	10.70	106	413993	51.654	ug/l	98
70) Styrene	10.71	104	712506	52.996	ug/l	100
71) Bromoform	10.85	173	192423	51.135	ug/l #	99
73) Isopropylbenzene	11.01	105	1096434	51.863	ug/l	100
74) N-amyl acetate	10.89	43	501422	54.124	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.26	83	338917	44.899	ug/l	98
76) 1,2,3-Trichloropropane	11.29	75	354862m	50.729	ug/l	
77) Bromobenzene	11.25	156	287437	50.609	ug/l	98
78) n-propylbenzene	11.35	91	1251730	52.161	ug/l	100
79) 2-Chlorotoluene	11.42	91	734352	50.576	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	922392	52.569	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	121490	49.424	ug/l	99
82) 4-Chlorotoluene	11.51	91	847128	51.248	ug/l	100
83) tert-Butylbenzene	11.76	119	777193	47.137	ug/l	96
84) 1,2,4-Trimethylbenzene	11.80	105	929427	52.809	ug/l	99
85) sec-Butylbenzene	11.94	105	1050431	52.005	ug/l	100
86) p-Isopropyltoluene	12.06	119	984902	52.763	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	501294	49.113	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	499980	48.901	ug/l	99
89) n-Butylbenzene	12.38	91	843836	51.904	ug/l	99
90) Hexachloroethane	12.59	117	171432	49.444	ug/l	99
91) 1,2-Dichlorobenzene	12.38	146	506609	49.973	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.99	75	76331	47.066	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	343032	52.484	ug/l	98
94) Hexachlorobutadiene	13.77	225	169144	50.281	ug/l	99
95) Naphthalene	13.83	128	1032005	48.984	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	342575	51.836	ug/l	97

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

