

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX053119\
 Data File : VX009995.D
 Acq On : 31 May 2019 19:07
 Operator : JC/SP
 Sample : K3131-10MS
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LF014MW028-190530MS

Manual Integrations
 APPROVED

MMDadoda
 6/3/2019 9:47:36 AM

Quant Time: Jun 01 05:55:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052819W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 29 04:00:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	164615	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	265490	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	242279	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	115287	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	117938	50.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.44%	
35) Dibromofluoromethane	5.50	113	85939	51.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.98%	
50) Toluene-d8	8.71	98	351601	51.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.74%	
62) 4-Bromofluorobenzene	11.13	95	125126	51.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	107210	53.297	ug/l	100
3) Chloromethane	1.32	50	122710	45.376	ug/l	99
4) Vinyl Chloride	1.41	62	120261	49.331	ug/l	100
5) Bromomethane	1.64	94	46431	31.435	ug/l	99
6) Chloroethane	1.72	64	69511	46.320	ug/l	98
7) Trichlorofluoromethane	1.93	101	131486	48.809	ug/l	99
8) Diethyl Ether	2.19	74	58067	45.869	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	76369	46.955	ug/l	99
10) Methyl Iodide	2.51	142	61013	32.130	ug/l	99
11) Tert butyl alcohol	3.05	59	124650	217.820	ug/l	100
12) 1,1-Dichloroethene	2.37	96	80750	48.437	ug/l	97
13) Acrolein	2.29	56	92870	230.725	ug/l	100
14) Allyl chloride	2.73	41	195168	48.167	ug/l	100
15) Acrylonitrile	3.14	53	333550	241.904	ug/l	100
16) Acetone	2.45	43	288235	214.537	ug/l	99
17) Carbon Disulfide	2.57	76	238937	47.354	ug/l	100
18) Methyl Acetate	2.78	43	157111	50.256	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	311250	49.452	ug/l	100
20) Methylene Chloride	2.85	84	96267	46.790	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	86827	46.808	ug/l	99
22) Diisopropyl ether	3.86	45	384299	49.847	ug/l	# 85
23) Vinyl Acetate	3.82	43	1697522	245.100	ug/l	100
24) 1,1-Dichloroethane	3.70	63	181990	48.710	ug/l	100
25) 2-Butanone	4.67	43	494015	236.011	ug/l	99
26) 2,2-Dichloropropane	4.59	77	110680	39.161	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	102868	48.042	ug/l	95
28) Bromochloromethane	5.01	49	94063	48.516	ug/l	99
29) Tetrahydrofuran	5.13	42	329195	245.251	ug/l	100
30) Chloroform	5.21	83	167066	49.582	ug/l	95
31) Cyclohexane	5.58	56	177723	50.223	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	137750	50.198	ug/l	99
36) 1,1-Dichloropropene	5.80	75	128277	47.621	ug/l	100
37) Ethyl Acetate	4.84	43	189547	50.501	ug/l	99
38) Carbon Tetrachloride	5.79	117	115829	49.761	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	154691	48.413	ug/l	99
40) Benzene	6.14	78	395921	49.547	ug/l	100
41) Methacrylonitrile	5.04	41	107742	49.126	ug/l	100
42) 1,2-Dichloroethane	6.19	62	144587	48.944	ug/l	100
43) Isopropyl Acetate	6.45	43	301730	49.822	ug/l	99
44) Trichloroethene	7.21	130	91430	47.105	ug/l	98
45) 1,2-Dichloropropane	7.51	63	111886	48.641	ug/l	97
46) Dibromomethane	7.66	93	63993	47.262	ug/l	99
47) Bromodichloromethane	7.90	83	130792	50.798	ug/l	100
48) Methyl methacrylate	7.77	41	153322	51.141	ug/l	100
49) 1,4-Dioxane	7.74	88	45571	817.182	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	996296	252.891	ug/l	100
52) Toluene	8.79	92	241979	49.875	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	150088	48.605	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	162831	48.397	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	96452	49.393	ug/l	98
56) Ethyl methacrylate	9.18	69	181152	52.108	ug/l	98
57) 1,3-Dichloropropane	9.37	76	171782	48.984	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	459802	252.225	ug/l	99
59) 2-Hexanone	9.49	43	752506	248.096	ug/l	100
60) Dibromochloromethane	9.58	129	97327	50.667	ug/l	99
61) 1,2-Dibromoethane	9.67	107	99709	49.702	ug/l	99
64) Tetrachloroethene	9.34	164	83320	49.234	ug/l	98
65) Chlorobenzene	10.14	112	1805905	356.044	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	89430	50.835	ug/l	100
67) Ethyl Benzene	10.25	91	453932	49.844	ug/l	100
68) m/p-Xylenes	10.36	106	328449	97.622	ug/l	100
69) o-Xylene	10.69	106	161852	50.160	ug/l	99
70) Styrene	10.71	104	279890	49.468	ug/l	99
71) Bromoform	10.85	173	75007	52.160	ug/l	98
73) Isopropylbenzene	11.02	105	427625	50.272	ug/l	100
74) N-amyl acetate	10.90	43	264676	52.072	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	158980	50.098	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	138897m	50.382	ug/l	
77) Bromobenzene	11.26	156	107210	49.457	ug/l	97
78) n-propylbenzene	11.36	91	492905	50.272	ug/l	100
79) 2-Chlorotoluene	11.42	91	294891	49.227	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	361364	50.427	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	51998	46.666	ug/l	99
82) 4-Chlorotoluene	11.51	91	343183	49.213	ug/l	100
83) tert-Butylbenzene	11.77	119	350023	51.055	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	363282	49.918	ug/l	99
85) sec-Butylbenzene	11.94	105	408532	50.088	ug/l	100
86) p-Isopropyltoluene	12.06	119	375001	51.116	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	186009	48.197	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	194383	49.387	ug/l	100
89) n-Butylbenzene	12.38	91	342436	49.668	ug/l	100
90) Hexachloroethane	12.59	117	65627	52.126	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	190982	50.192	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	35836	47.975	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	130508	47.996	ug/l	99
94) Hexachlorobutadiene	13.78	225	64299	47.145	ug/l	99
95) Naphthalene	13.83	128	425715	50.310	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	130779	48.049	ug/l	99

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

