

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX053119\
 Data File : VX010021.D
 Acq On : 01 Jun 2019 06:26
 Operator : JC/SP
 Sample : K3129-16MS
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LF012MW004-190528MS

Manual Integrations
 APPROVED

MMDadoda
 6/3/2019 9:34:30 AM

Quant Time: Jun 03 00:55:37 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	149346	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	243233	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	224496	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	111337	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	108984	51.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.32%	
35) Dibromofluoromethane	5.49	113	80004	52.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.64%	
50) Toluene-d8	8.71	98	325996	52.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.00%	
62) 4-Bromofluorobenzene	11.13	95	118627	53.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.38%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	98390	53.913	ug/l	99
3) Chloromethane	1.32	50	110209	44.920	ug/l	99
4) Vinyl Chloride	1.41	62	103357	46.732	ug/l	100
5) Bromomethane	1.64	94	49639	37.043	ug/l	99
6) Chloroethane	1.71	64	63219	46.434	ug/l	100
7) Trichlorofluoromethane	1.93	101	119219	48.780	ug/l	98
8) Diethyl Ether	2.19	74	52198	45.448	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.38	101	70083	47.496	ug/l	99
10) Methyl Iodide	2.51	142	78146	43.442	ug/l	100
11) Tert butyl alcohol	3.05	59	121447	233.920	ug/l	100
12) 1,1-Dichloroethene	2.37	96	75083	49.643	ug/l	97
13) Acrolein	2.29	56	86436	236.150	ug/l	99
14) Allyl chloride	2.73	41	171189	46.569	ug/l	100
15) Acrylonitrile	3.14	53	307564	245.863	ug/l	99
16) Acetone	2.45	43	270164	221.645	ug/l	99
17) Carbon Disulfide	2.57	76	217499	47.511	ug/l	99
18) Methyl Acetate	2.78	43	134062	47.268	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	288232	50.477	ug/l	98
20) Methylene Chloride	2.85	84	91235	48.878	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	81163	48.228	ug/l	97
22) Diisopropyl ether	3.85	45	349204	49.926	ug/l	96
23) Vinyl Acetate	3.81	43	1498996	238.563	ug/l	100
24) 1,1-Dichloroethane	3.70	63	168319	49.657	ug/l	99
25) 2-Butanone	4.67	43	456431	240.349	ug/l	99
26) 2,2-Dichloropropane	4.59	77	72409	28.239	ug/l #	69
27) cis-1,2-Dichloroethene	4.60	96	334043	171.957	ug/l	88
28) Bromochloromethane	5.01	49	84979	48.312	ug/l	98
29) Tetrahydrofuran	5.13	42	301459	247.549	ug/l	99
30) Chloroform	5.21	83	153303	50.149	ug/l	99
31) Cyclohexane	5.58	56	159678	49.737	ug/l	96
32) 1,1,1-Trichloroethane	5.50	97	128130	51.466	ug/l	100
36) 1,1-Dichloropropene	5.80	75	115893	46.960	ug/l	99
37) Ethyl Acetate	4.84	43	164627	47.875	ug/l	100
38) Carbon Tetrachloride	5.79	117	106284	49.838	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	136529	46.639	ug/l	99
40) Benzene	6.14	78	362330	49.493	ug/l	99
41) Methacrylonitrile	5.04	41	98079	48.812	ug/l	99
42) 1,2-Dichloroethane	6.20	62	132184	48.840	ug/l	100
43) Isopropyl Acetate	6.45	43	262948	47.391	ug/l	99
44) Trichloroethene	7.21	130	87258	49.069	ug/l	94
45) 1,2-Dichloropropane	7.51	63	103210	48.975	ug/l	99
46) Dibromomethane	7.66	93	59737	48.156	ug/l	97
47) Bromodichloromethane	7.90	83	120843	51.228	ug/l	97
48) Methyl methacrylate	7.77	41	139114	50.648	ug/l	99
49) 1,4-Dioxane	7.74	88	47787	935.332	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	911711	252.597	ug/l	100
52) Toluene	8.79	92	222097	49.966	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	129518	45.781	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	141389	45.870	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	89823	50.207	ug/l	98
56) Ethyl methacrylate	9.18	69	165591	51.990	ug/l	100
57) 1,3-Dichloropropane	9.37	76	159918	49.774	ug/l	99
59) 2-Hexanone	9.49	43	698803	251.472	ug/l	99
60) Dibromochloromethane	9.58	129	92204	52.393	ug/l	99
61) 1,2-Dibromoethane	9.67	107	92729	50.452	ug/l	99
64) Tetrachloroethene	9.34	164	74816	47.711	ug/l	98
65) Chlorobenzene	10.13	112	232771	49.527	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	83497	51.222	ug/l	99
67) Ethyl Benzene	10.25	91	424659	50.323	ug/l	99
68) m/p-Xylenes	10.36	106	310619	99.636	ug/l	99
69) o-Xylene	10.69	106	153804	51.442	ug/l	98
70) Stvrene	10.71	104	268220	51.160	ug/l	99
71) Bromoform	10.85	173	72363	54.308	ug/l #	98
73) Isopropylbenzene	11.02	105	401991	48.936	ug/l	99
74) N-amyl acetate	10.90	43	235004	47.875	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	149750	48.863	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	129966m	48.815	ug/l	
77) Bromobenzene	11.26	156	103341	49.363	ug/l	97
78) n-propylbenzene	11.36	91	461837	48.775	ug/l	100
79) 2-Chlorotoluene	11.42	91	278758	48.185	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	342944	49.554	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	43381	40.314	ug/l	97
82) 4-Chlorotoluene	11.51	91	322817	47.935	ug/l	99
83) tert-Butylbenzene	11.77	119	331560	50.077	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	343964	48.941	ug/l	100
85) sec-Butylbenzene	11.94	105	390241	49.543	ug/l	100
86) p-Isopropyltoluene	12.06	119	350142	49.421	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	179689	48.212	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	180167	47.400	ug/l	99
89) n-Butylbenzene	12.38	91	310739	46.669	ug/l	99
90) Hexachloroethane	12.60	117	61370	50.474	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	180877	49.223	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	34237	47.461	ug/l	96
93) 1,2,4-Trichlorobenzene	13.65	180	124332	47.347	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.78	225	59631	45.274	ug/l	99
95) Naphthalene	13.83	128	406438	49.736	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	126191	48.008	ug/l	99

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

