

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX072319\
 Data File : VX011050.D
 Acq On : 23 Jul 2019 11:19
 Operator : JC/SP
 Sample : K3591-09 2.5PPB MDL
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-MDL-WATER-03-QT3-2019 DL

Manual Integrations
 APPROVED

MMDadoda
 7/25/2019 3:06:51 PM

Quant Time: Jul 24 05:42:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 24 05:29:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	210466	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	321091	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	285696	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	141778	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	112261	50.14	ug/l	0.00
Spiked Amount			Recovery	=	100.28%	
35) Dibromofluoromethane	5.50	113	99860	49.00	ug/l	0.00
Spiked Amount			Recovery	=	98.00%	
50) Toluene-d8	8.71	98	370211	48.43	ug/l	0.00
Spiked Amount			Recovery	=	96.86%	
62) 4-Bromofluorobenzene	11.13	95	130976	46.62	ug/l	0.00
Spiked Amount			Recovery	=	93.24%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	3015	1.534	ug/l	95
3) Chloromethane	1.32	50	4078	2.107	ug/l	90
4) Vinyl Chloride	1.41	62	4117	2.085	ug/l	91
5) Bromomethane	1.64	94	3570	3.209	ug/l	93
6) Chloroethane	1.73	64	4528	3.609	ug/l	94
7) Trichlorofluoromethane	1.93	101	7950	2.379	ug/l	91
8) Diethyl Ether	2.19	74	3069	2.666	ug/l	83
9) 1,1,2-Trichlorotrifluoroet	2.38	101	4977	2.608	ug/l	96
10) Methyl Iodide	2.51	142	4629	1.849	ug/l	97
11) Tert butyl alcohol	3.03	59	13101	25.124	ug/l	95
12) 1,1-Dichloroethene	2.37	96	4507	2.404	ug/l	93
13) Acrolein	2.29	56	3813	12.656	ug/l	96
14) Allyl chloride	2.72	41	6240	2.292	ug/l	97
15) Acrylonitrile	3.14	53	14648	13.902	ug/l	97
16) Acetone	2.45	43	13644	13.492	ug/l	96
17) Carbon Disulfide	2.57	76	9559	1.988	ug/l	98
18) Methyl Acetate	2.78	43	8834	3.836	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	15938	2.641	ug/l	97
20) Methylene Chloride	2.86	84	5862	2.735	ug/l	93
21) trans-1,2-Dichloroethene	3.17	96	4738	2.382	ug/l	93
22) Diisopropyl ether	3.86	45	14797	2.576	ug/l	94
23) Vinyl Acetate	3.82	43	51910	10.668	ug/l	100
24) 1,1-Dichloroethane	3.70	63	8975	2.691	ug/l	100
25) 2-Butanone	4.68	43	19246	13.258	ug/l	98
26) 2,2-Dichloropropane	4.59	77	6879	2.512	ug/l	95
27) cis-1,2-Dichloroethene	4.60	96	5954	2.586	ug/l	92
28) Bromochloromethane	5.01	49	4284	2.726	ug/l	97
29) Tetrahydrofuran	5.14	42	12283	13.358	ug/l	99
30) Chloroform	5.21	83	9895	2.745	ug/l	88
31) Cyclohexane	5.58	56	7154	2.353	ug/l #	84
32) 1,1,1-Trichloroethane	5.49	97	7768	2.491	ug/l	99
36) 1,1-Dichloropropene	5.79	75	6687	2.535	ug/l	94
37) Ethyl Acetate	4.84	43	7383	2.734	ug/l #	94
38) Carbon Tetrachloride	5.79	117	6370	2.318	ug/l #	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	7905	2.311	ug/l	94
40) Benzene	6.14	78	20757	2.569	ug/l	99
41) Methacrylonitrile	5.04	41	3851	2.512	ug/l #	89
42) 1,2-Dichloroethane	6.19	62	7844	2.792	ug/l	100
43) Isopropyl Acetate	6.45	43	11397	2.566	ug/l	97
44) Trichloroethene	7.21	130	6138	2.567	ug/l	99
45) 1,2-Dichloropropane	7.51	63	5156	2.507	ug/l #	87
46) Dibromomethane	7.66	93	3965	2.698	ug/l	95
47) Bromodichloromethane	7.90	83	6641	2.539	ug/l #	91
48) Methyl methacrylate	7.77	41	5057	2.338	ug/l #	93
49) 1,4-Dioxane	7.74	88	3301	54.550	ug/l #	88
51) 4-Methyl-2-Pentanone	8.64	43	37565	13.049	ug/l	98
52) Toluene	8.79	92	13351	2.516	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	5842	2.077	ug/l #	82
54) cis-1,3-Dichloropropene	8.43	75	7138	2.281	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	5562	2.545	ug/l	97
56) Ethyl methacrylate	9.18	69	8017	2.508	ug/l	96
57) 1,3-Dichloropropane	9.37	76	8787	2.535	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	18036	11.820	ug/l	99
59) 2-Hexanone	9.49	43	27951	12.519	ug/l	99
60) Dibromochloromethane	9.58	129	4777	2.159	ug/l	97
61) 1,2-Dibromoethane	9.67	107	5761	2.484	ug/l	96
64) Tetrachloroethene	9.34	164	6119	2.723	ug/l	96
65) Chlorobenzene	10.13	112	14958	2.549	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	5205	2.524	ug/l	96
67) Ethyl Benzene	10.25	91	25336	2.537	ug/l	100
68) m/p-Xylenes	10.36	106	19190	5.009	ug/l	100
69) o-Xylene	10.69	106	9580	2.562	ug/l	100
70) Styrene	10.71	104	14750	2.366	ug/l	96
71) Bromoform	10.85	173	3399	2.066	ug/l #	97
73) Isopropylbenzene	11.02	105	25092	2.619	ug/l	98
74) N-amyl acetate	10.90	43	8929	2.439	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.27	83	8371	2.670	ug/l	98
76) 1,2,3-Trichloropropane	11.29	75	6911m	2.701	ug/l	
77) Bromobenzene	11.26	156	7032	2.661	ug/l	98
78) n-propylbenzene	11.36	91	26989	2.550	ug/l	99
79) 2-Chlorotoluene	11.42	91	16877	2.654	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	20064	2.506	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	1779m	1.913	ug/l	
82) 4-Chlorotoluene	11.51	91	19008	2.568	ug/l	100
83) tert-Butylbenzene	11.77	119	20142	2.562	ug/l	97
84) 1,2,4-Trimethylbenzene	11.80	105	19927	2.470	ug/l	97
85) sec-Butylbenzene	11.94	105	24268	2.634	ug/l	99
86) p-Isopropyltoluene	12.06	119	21422	2.515	ug/l	97
87) 1,3-Dichlorobenzene	12.02	146	12394	2.703	ug/l	96
88) 1,4-Dichlorobenzene	12.10	146	12313	2.618	ug/l	86
89) n-Butylbenzene	12.38	91	17441	2.393	ug/l	99
90) Hexachloroethane	12.59	117	2560	1.906	ug/l	92
91) 1,2-Dichlorobenzene	12.39	146	11653	2.564	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.99	75	1563	2.385	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	7590	2.464	ug/l	97
94) Hexachlorobutadiene	13.78	225	4230	2.771	ug/l	92
95) Naphthalene	13.83	128	21527	2.367	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	7732	2.523	ug/l	96

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

