

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX071420\
 Data File : VX017379.D
 Acq On : 14 Jul 2020 15:19
 Operator : JC/SP
 Sample : L3216-09 .75PPB MDL
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT3-2020

Manual Integrations
 APPROVED

MMDadoda
 7/15/2020 11:43:42 AM

Quant Time: Jul 15 03:08:24 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071320W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 15 02:05:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	539823	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	883649	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	885314	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	463374	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	353373	52.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.32%	
35) Dibromofluoromethane	5.46	113	297106	49.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.82%	
50) Toluene-d8	8.70	98	1063112	49.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.02%	
62) 4-Bromofluorobenzene	11.12	95	438361	51.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.80%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.18	85	1708	0.374	ug/l	96
3) Chloromethane	1.32	50	2294	0.446	ug/l	95
4) Vinyl Chloride	1.39	62	2190	0.430	ug/l	98
5) Bromomethane	1.64	94	2482	0.749	ug/l #	79
6) Chloroethane	1.72	64	1759	0.548	ug/l #	86
7) Trichlorofluoromethane	1.92	101	3538	0.412	ug/l	94
8) Diethyl Ether	2.17	74	1500	0.494	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	2.36	101	2495	0.510	ug/l	93
10) Methyl Iodide	2.50	142	1616	0.272	ug/l	98
11) Tert butyl alcohol	3.01	59	2671	2.340	ug/l	98
12) 1,1-Dichloroethene	2.36	96	2256	0.459	ug/l	84
13) Acrolein	2.27	56	1311	2.095	ug/l #	54
14) Allyl chloride	2.71	41	3828	0.450	ug/l	98
15) Acrylonitrile	3.12	53	5979	2.161	ug/l	97
16) Acetone	2.42	43	6741	2.789	ug/l	96
17) Carbon Disulfide	2.55	76	6820	0.476	ug/l #	87
18) Methyl Acetate	2.75	43	3126	0.524	ug/l	95
19) Methyl tert-butyl Ether	3.17	73	7152	0.429	ug/l	99
20) Methylene Chloride	2.84	84	3075	0.521	ug/l	87
21) trans-1,2-Dichloroethene	3.14	96	2568	0.457	ug/l	97
22) Diisopropyl ether	3.83	45	6964	0.429	ug/l #	83
23) Vinyl Acetate	3.79	43	27015	1.894	ug/l #	94
24) 1,1-Dichloroethane	3.67	63	4707	0.494	ug/l #	93
25) 2-Butanone	4.64	43	8319	2.167	ug/l #	88
26) 2,2-Dichloropropane	4.56	77	3677	0.415	ug/l	86
27) cis-1,2-Dichloroethene	4.57	96	2959	0.480	ug/l	94
28) Bromochloromethane	4.98	49	2032	0.462	ug/l	99
29) Tetrahydrofuran	5.09	42	5423m	2.182	ug/l	
30) Chloroform	5.18	83	4580	0.447	ug/l #	81
31) Cyclohexane	5.55	56	3095	0.397	ug/l #	96
32) 1,1,1-Trichloroethane	5.45	97	4637m	0.489	ug/l	
36) 1,1-Dichloropropene	5.77	75	3567	0.439	ug/l #	92
37) Ethyl Acetate	4.80	43	3510	0.418	ug/l #	85
38) Carbon Tetrachloride	5.75	117	4041	0.425	ug/l	86

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.44	83	3576	0.405	ug/l	96
40) Benzene	6.12	78	9558	0.409	ug/l	95
41) Methacrylonitrile	5.02	41	1865	0.413	ug/l #	36
42) 1,2-Dichloroethane	6.16	62	4790	0.528	ug/l	88
43) Isopropyl Acetate	6.42	43	5983	0.445	ug/l	97
44) Trichloroethene	7.20	130	3013	0.422	ug/l	91
45) 1,2-Dichloropropane	7.49	63	2599	0.435	ug/l #	87
46) Dibromomethane	7.64	93	1920	0.445	ug/l	90
47) Bromodichloromethane	7.87	83	3710	0.412	ug/l	99
48) Methyl methacrylate	7.75	41	2411	0.374	ug/l	94
49) 1,4-Dioxane	7.72	88	1136	8.613	ug/l #	89
51) 4-Methyl-2-Pentanone	8.62	43	13614	1.662	ug/l	96
52) Toluene	8.77	92	6223	0.415	ug/l	99
53) t-1,3-Dichloropropene	9.02	75	3819	0.393	ug/l	93
54) cis-1,3-Dichloropropene	8.42	75	3578	0.346	ug/l	92
55) 1,1,2-Trichloroethane	9.20	97	2659	0.425	ug/l #	83
56) Ethyl methacrylate	9.15	69	3373	0.380	ug/l #	87
57) 1,3-Dichloropropane	9.35	76	4081	0.392	ug/l #	88
58) 2-Chloroethyl Vinyl ether	8.29	63	6286	1.395	ug/l	93
59) 2-Hexanone	9.48	43	9318	1.507	ug/l	97
60) Dibromochloromethane	9.57	129	2779	0.364	ug/l	98
61) 1,2-Dibromoethane	9.65	107	2511	0.369	ug/l	95
64) Tetrachloroethene	9.32	164	3068	0.400	ug/l #	84
65) Chlorobenzene	10.12	112	7113	0.395	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.21	131	2685	0.375	ug/l #	64
67) Ethyl Benzene	10.24	91	10709	0.358	ug/l	93
68) m/p-Xylenes	10.34	106	7468	0.655	ug/l	99
69) o-Xylene	10.68	106	3709	0.341	ug/l	96
70) Styrene	10.70	104	5398	0.289	ug/l	89
71) Bromoform	10.84	173	2163	0.358	ug/l #	97
73) Isopropylbenzene	11.00	105	8942	0.308	ug/l	98
74) N-amyl acetate	10.88	43	3818	0.328	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.26	83	3632	0.412	ug/l	97
76) 1,2,3-Trichloropropane	11.28	75	2483m	0.290	ug/l	
77) Bromobenzene	11.24	156	3517	0.425	ug/l	87
78) n-propylbenzene	11.34	91	11199	0.343	ug/l	100
79) 2-Chlorotoluene	11.40	91	7171	0.357	ug/l	93
80) 1,3,5-Trimethylbenzene	11.49	105	7599	0.308	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.05	75	991m	0.294	ug/l	
82) 4-Chlorotoluene	11.49	91	8579	0.360	ug/l	98
83) tert-Butylbenzene	11.76	119	7107	0.298	ug/l	93
84) 1,2,4-Trimethylbenzene	11.79	105	7281	0.292	ug/l	99
85) sec-Butylbenzene	11.93	105	7969	0.286	ug/l	98
86) p-Isopropyltoluene	12.05	119	8252	0.313	ug/l #	81
87) 1,3-Dichlorobenzene	12.01	146	5648	0.382	ug/l	94
88) 1,4-Dichlorobenzene	12.08	146	6667m	0.446	ug/l	
89) n-Butylbenzene	12.37	91	7558	0.336	ug/l	100
90) Hexachloroethane	12.58	117	1844	0.368	ug/l	98
91) 1,2-Dichlorobenzene	12.38	146	5073	0.365	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	12.99	75	804	0.345	ug/l	87

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	3234	0.335	ug/l	97
94) Hexachlorobutadiene	13.76	225	1648	0.419	ug/l	98
95) Naphthalene	13.82	128	7694	0.271	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	3105	0.333	ug/l	96

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

