

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX071420\
 Data File : VX017368.D
 Acq On : 14 Jul 2020 11:03
 Operator : JC/SP
 Sample : L3216-09 .5PPB MDL
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

MMDadoda
 7/15/2020 11:43:40 AM

Quant Time: Jul 15 02:55:57 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	5.63	168	289734	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	453403	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	420563	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	208923	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	184559	50.75	ug/l	0.00
Spiked Amount			Recovery	=	101.50%	
35) Dibromofluoromethane	5.46	113	148796	48.72	ug/l	0.00
Spiked Amount			Recovery	=	97.44%	
50) Toluene-d8	8.70	98	510184	46.31	ug/l	0.00
Spiked Amount			Recovery	=	92.62%	
62) 4-Bromofluorobenzene	11.12	95	185664	42.43	ug/l	0.00
Spiked Amount			Recovery	=	84.86%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.18	85	1144	0.467	ug/l	100
3) Chloromethane	1.31	50	1543	0.559	ug/l	96
4) Vinyl Chloride	1.40	62	1231	0.451	ug/l	90
5) Bromomethane	1.64	94	1643	0.924	ug/l #	78
6) Chloroethane	1.72	64	1061	0.616	ug/l #	78
7) Trichlorofluoromethane	1.92	101	2365	0.513	ug/l	92
8) Diethyl Ether	2.17	74	984m	0.604	ug/l	
9) 1,1,2-Trichlorotrifluoroet	2.36	101	1399	0.533	ug/l	95
10) Methyl Iodide	2.49	142	1381	0.434	ug/l #	85
11) Tert butyl alcohol	3.01	59	1749	2.855	ug/l	99
12) 1,1-Dichloroethene	2.36	96	1348	0.511	ug/l #	76
13) Acrolein	2.28	56	1027	3.058	ug/l #	61
14) Allyl chloride	2.71	41	2465	0.540	ug/l	96
15) Acrylonitrile	3.12	53	4216	2.839	ug/l	89
16) Acetone	2.42	43	4060	3.130	ug/l	99
17) Carbon Disulfide	2.55	76	4548	0.591	ug/l #	85
18) Methyl Acetate	2.75	43	1914	0.597	ug/l #	81
19) Methyl tert-butyl Ether	3.18	73	4071	0.455	ug/l #	83
20) Methylene Chloride	2.84	84	2551	0.806	ug/l	86
21) trans-1,2-Dichloroethene	3.14	96	1717	0.569	ug/l	86
22) Diisopropyl ether	3.82	45	3953	0.454	ug/l #	67
23) Vinyl Acetate	3.79	43	15795	2.064	ug/l #	90
24) 1,1-Dichloroethane	3.68	63	2577	0.504	ug/l #	92
25) 2-Butanone	4.64	43	5195	2.521	ug/l #	88
26) 2,2-Dichloropropane	4.56	77	2826	0.594	ug/l	100
27) cis-1,2-Dichloroethene	4.55	96	1719m	0.520	ug/l	
28) Bromochloromethane	4.98	49	1647	0.697	ug/l #	82
29) Tetrahydrofuran	5.12	42	3494m	2.620	ug/l	
30) Chloroform	5.18	83	2622	0.476	ug/l	94
31) Cyclohexane	5.54	56	1834	0.438	ug/l	93
32) 1,1,1-Trichloroethane	5.46	97	2597	0.511	ug/l #	40
36) 1,1-Dichloropropene	5.76	75	2153	0.516	ug/l #	69
37) Ethyl Acetate	4.81	43	2167	0.502	ug/l #	90
38) Carbon Tetrachloride	5.76	117	2441	0.500	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	2279	0.503	ug/l #	67
40) Benzene	6.11	78	5673	0.473	ug/l	96
41) Methacrylonitrile	5.01	41	1475m	0.637	ug/l	
42) 1,2-Dichloroethane	6.17	62	2846	0.611	ug/l	96
43) Isopropyl Acetate	6.41	43	3122	0.453	ug/l #	93
44) Trichloroethene	7.18	130	2039	0.557	ug/l	87
45) 1,2-Dichloropropane	7.49	63	1378	0.449	ug/l	94
46) Dibromomethane	7.64	93	1153	0.521	ug/l	93
47) Bromodichloromethane	7.87	83	1916	0.414	ug/l #	86
48) Methyl methacrylate	7.74	41	1703	0.515	ug/l #	83
49) 1,4-Dioxane	7.73	88	815	12.042	ug/l #	53
51) 4-Methyl-2-Pentanone	8.62	43	7961	1.894	ug/l	99
52) Toluene	8.77	92	3673	0.478	ug/l	97
53) t-1,3-Dichloropropene	9.02	75	2441	0.490	ug/l	91
54) cis-1,3-Dichloropropene	8.42	75	2226	0.419	ug/l #	78
55) 1,1,2-Trichloroethane	9.20	97	1560	0.486	ug/l	92
56) Ethyl methacrylate	9.16	69	1555	0.342	ug/l #	73
57) 1,3-Dichloropropane	9.35	76	2337	0.438	ug/l #	76
58) 2-Chloroethyl Vinyl ether	8.29	63	4008	1.734	ug/l	99
59) 2-Hexanone	9.48	43	6159	1.942	ug/l	90
60) Dibromochloromethane	9.56	129	1471	0.375	ug/l	83
61) 1,2-Dibromoethane	9.65	107	1579	0.453	ug/l	90
64) Tetrachloroethene	9.32	164	1896	0.521	ug/l	96
65) Chlorobenzene	10.12	112	4149	0.485	ug/l	93
66) 1,1,1,2-Tetrachloroethane	10.21	131	1497	0.440	ug/l #	65
67) Ethyl Benzene	10.23	91	5614	0.395	ug/l	99
68) m/p-Xylenes	10.34	106	4259	0.787	ug/l	95
69) o-Xylene	10.68	106	1874	0.362	ug/l	85
70) Styrene	10.70	104	3435	0.387	ug/l	93
71) Bromoform	10.84	173	1160	0.404	ug/l #	99
73) Isopropylbenzene	11.00	105	4578	0.350	ug/l	96
74) N-amyl acetate	10.88	43	2143	0.409	ug/l	93
75) 1,1,2,2-Tetrachloroethane	11.26	83	2240	0.563	ug/l	99
76) 1,2,3-Trichloropropane	11.28	75	2034m	0.527	ug/l	
77) Bromobenzene	11.24	156	1804	0.484	ug/l	96
78) n-propylbenzene	11.35	91	6270	0.426	ug/l	97
79) 2-Chlorotoluene	11.40	91	4046	0.446	ug/l	98
80) 1,3,5-Trimethylbenzene	11.49	105	4214	0.379	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.06	75	665m	0.437	ug/l	
82) 4-Chlorotoluene	11.49	91	4601	0.428	ug/l	98
83) tert-Butylbenzene	11.76	119	4103	0.382	ug/l	99
84) 1,2,4-Trimethylbenzene	11.79	105	3852	0.343	ug/l	81
85) sec-Butylbenzene	11.93	105	4522	0.359	ug/l #	76
86) p-Isopropyltoluene	12.05	119	4334	0.364	ug/l #	82
87) 1,3-Dichlorobenzene	12.01	146	2963	0.444	ug/l	87
88) 1,4-Dichlorobenzene	12.08	146	3975m	0.590	ug/l	
89) n-Butylbenzene	12.37	91	4366	0.430	ug/l	98
90) Hexachloroethane	12.59	117	853	0.377	ug/l	84
91) 1,2-Dichlorobenzene	12.38	146	3233	0.516	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	12.98	75	513	0.489	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	2093	0.481	ug/l	94
94) Hexachlorobutadiene	13.77	225	1167	0.657	ug/l	84
95) Naphthalene	13.82	128	4490	0.351	ug/l	97
96) 1,2,3-Trichlorobenzene	14.01	180	1891	0.450	ug/l	97

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

