

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX050620\
 Data File : VX016078.D
 Acq On : 06 May 2020 13:05
 Operator : JC/SP
 Sample : L2182-09 .5PPB MDL
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT2-2020DL

Manual Integrations
 APPROVED

MMDadoda
 5/8/2020 11:54:53 AM

Quant Time: May 07 07:54:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X050420W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 07 07:43:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	302317	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	476750	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	430404	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	206075	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	194542	48.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.80%	
35) Dibromofluoromethane	5.47	113	146313	48.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.88%	
50) Toluene-d8	8.70	98	586059	50.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.72%	
62) 4-Bromofluorobenzene	11.12	95	211535	47.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.58%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.18	85	1328	0.415	ug/l	78
3) Chloromethane	1.32	50	1903	0.512	ug/l #	88
4) Vinyl Chloride	1.39	62	1579	0.398	ug/l #	83
5) Bromomethane	1.64	94	1342	0.671	ug/l #	71
6) Chloroethane	1.72	64	1091	0.452	ug/l #	76
7) Trichlorofluoromethane	1.92	101	2343	0.450	ug/l	95
8) Diethyl Ether	2.17	74	1281	0.584	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	2.37	101	1436	0.478	ug/l	95
10) Methyl Iodide	2.49	142	1564	0.388	ug/l	95
11) Tert butyl alcohol	3.00	59	2082	2.070	ug/l	97
12) 1,1-Dichloroethene	2.36	96	1858	0.591	ug/l #	88
13) Acrolein	2.27	56	1885	2.994	ug/l	90
14) Allyl chloride	2.71	41	2256	0.392	ug/l #	85
15) Acrylonitrile	3.12	53	4577	2.193	ug/l	97
16) Acetone	2.42	43	4211	2.372	ug/l	97
17) Carbon Disulfide	2.56	76	6334	0.592	ug/l	96
18) Methyl Acetate	2.75	43	2028	0.465	ug/l #	83
19) Methyl tert-butyl Ether	3.17	73	4500	0.415	ug/l #	90
20) Methylene Chloride	2.84	84	1966	0.537	ug/l #	89
21) trans-1,2-Dichloroethene	3.14	96	1797	0.513	ug/l	91
22) Diisopropyl ether	3.82	45	4447	0.409	ug/l #	65
23) Vinyl Acetate	3.79	43	16637	1.740	ug/l	99
24) 1,1-Dichloroethane	3.67	63	2483	0.408	ug/l #	82
25) 2-Butanone	4.64	43	6003	2.099	ug/l #	83
26) 2,2-Dichloropropane	4.54	77	2287	0.412	ug/l #	53
27) cis-1,2-Dichloroethene	4.56	96	2321	0.606	ug/l	67
28) Bromochloromethane	4.99	49	1434	0.517	ug/l #	87
29) Tetrahydrofuran	5.10	42	3633	1.917	ug/l	95
30) Chloroform	5.17	83	2591	0.428	ug/l #	83
31) Cyclohexane	5.56	56	2214	0.401	ug/l #	83
32) 1,1,1-Trichloroethane	5.46	97	2379	0.432	ug/l #	50
36) 1,1-Dichloropropene	5.78	75	2522	0.537	ug/l	95
37) Ethyl Acetate	4.80	43	2432	0.447	ug/l #	84
38) Carbon Tetrachloride	5.76	117	2153	0.451	ug/l #	88

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	2444	0.432	ug/l	95
40) Benzene	6.11	78	6188	0.451	ug/l	92
41) Methacrylonitrile	5.01	41	1507	0.513	ug/l #	49
42) 1,2-Dichloroethane	6.17	62	2513	0.508	ug/l	90
43) Isopropyl Acetate	6.42	43	3659	0.422	ug/l	99
44) Trichloroethene	7.20	130	2197	0.450	ug/l	95
45) 1,2-Dichloropropane	7.49	63	1509	0.434	ug/l #	85
46) Dibromomethane	7.65	93	1009	0.427	ug/l	94
47) Bromodichloromethane	7.88	83	1714	0.356	ug/l #	93
48) Methyl methacrylate	7.76	41	1806	0.439	ug/l #	84
49) 1,4-Dioxane	7.72	88	846	8.578	ug/l #	69
51) 4-Methyl-2-Pentanone	8.62	43	9624	1.812	ug/l	98
52) Toluene	8.77	92	3667	0.428	ug/l	98
53) t-1,3-Dichloropropene	9.02	75	2277	0.397	ug/l	92
54) cis-1,3-Dichloropropene	8.42	75	2373	0.396	ug/l #	92
55) 1,1,2-Trichloroethane	9.20	97	1387	0.412	ug/l #	91
56) Ethyl methacrylate	9.16	69	2146	0.390	ug/l #	88
57) 1,3-Dichloropropane	9.35	76	2396	0.408	ug/l #	82
58) 2-Chloroethyl Vinyl ether	8.29	63	5830	1.992	ug/l	98
59) 2-Hexanone	9.47	43	6963	1.670	ug/l	95
60) Dibromochloromethane	9.57	129	1456	0.393	ug/l	93
61) 1,2-Dibromoethane	9.65	107	1538	0.422	ug/l	96
64) Tetrachloroethene	9.32	164	2474	0.468	ug/l #	90
65) Chlorobenzene	10.12	112	4030	0.447	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.21	131	1251	0.376	ug/l #	61
67) Ethyl Benzene	10.24	91	6893	0.429	ug/l	96
68) m/p-Xylenes	10.34	106	4950	0.822	ug/l	95
69) o-Xylene	10.68	106	2174	0.375	ug/l	94
70) Styrene	10.70	104	3800	0.387	ug/l	94
71) Bromoform	10.84	173	936	0.345	ug/l #	99
73) Isopropylbenzene	11.00	105	6273	0.419	ug/l	96
74) N-amyl acetate	10.88	43	2539	0.363	ug/l #	94
75) 1,1,2,2-Tetrachloroethane	11.25	83	1023	0.387	ug/l	98
76) 1,2,3-Trichloropropane	11.28	75	2051m	0.439	ug/l	
77) Bromobenzene	11.24	156	1779	0.460	ug/l	94
78) n-propylbenzene	11.34	91	7415	0.425	ug/l	100
79) 2-Chlorotoluene	11.40	91	4573	0.444	ug/l	97
80) 1,3,5-Trimethylbenzene	11.49	105	4966	0.392	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.06	75	824m	0.420	ug/l	
82) 4-Chlorotoluene	11.49	91	5439	0.447	ug/l	99
83) tert-Butylbenzene	11.76	119	4562	0.418	ug/l	95
84) 1,2,4-Trimethylbenzene	11.79	105	5120	0.400	ug/l	97
85) sec-Butylbenzene	11.93	105	5860	0.398	ug/l	100
86) p-Isopropyltoluene	12.05	119	5667	0.414	ug/l	88
87) 1,3-Dichlorobenzene	12.01	146	3330	0.479	ug/l	97
88) 1,4-Dichlorobenzene	12.08	146	3555m	0.504	ug/l	
89) n-Butylbenzene	12.37	91	5805	0.465	ug/l	97
90) Hexachloroethane	12.59	117	805	0.343	ug/l	95
91) 1,2-Dichlorobenzene	12.38	146	2946	0.440	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	12.98	75	496	0.402	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	2588	0.523	ug/l	99
94) Hexachlorobutadiene	13.76	225	1112	0.486	ug/l	92
95) Naphthalene	13.82	128	6968	0.435	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	2550	0.527	ug/l	90

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

