

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX030520\
 Data File : VX015102.D
 Acq On : 05 Mar 2020 11:25
 Operator : JC/SP
 Sample : L1161-07 .75PPB MDL
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT1-2020DL

Manual Integrations
 APPROVED

MMDadoda
 3/10/2020 4:19:10 PM

Quant Time: Mar 06 04:19:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X030420W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 06 03:01:48 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	359212	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	555609	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	498689	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	246180	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	211951	49.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.48%	
35) Dibromofluoromethane	5.49	113	167212	47.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.40%	
50) Toluene-d8	8.71	98	635795	47.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.38%	
62) 4-Bromofluorobenzene	11.13	95	215650	45.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.68%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	2867	0.911	ug/l	98
3) Chloromethane	1.32	50	4316	0.969	ug/l	92
4) Vinyl Chloride	1.40	62	3712	0.822	ug/l	99
5) Bromomethane	1.64	94	3309	1.191	ug/l	94
6) Chloroethane	1.72	64	2897	1.069	ug/l	100
7) Trichlorofluoromethane	1.92	101	4790	0.891	ug/l #	81
8) Diethyl Ether	2.18	74	2777	1.140	ug/l	72
9) 1,1,2-Trichlorotrifluoroet	2.37	101	2906	0.859	ug/l	89
10) Methyl Iodide	2.50	142	3420	0.895	ug/l	92
11) Tert butyl alcohol	3.03	59	6559m	8.871	ug/l	
12) 1,1-Dichloroethene	2.37	96	3554	1.018	ug/l	95
13) Acrolein	2.29	56	2699	3.884	ug/l #	76
14) Allyl chloride	2.72	41	4523	0.743	ug/l #	73
15) Acrylonitrile	3.14	53	8335	4.527	ug/l	89
16) Acetone	2.44	43	7949	4.606	ug/l	95
17) Carbon Disulfide	2.56	76	8605	0.888	ug/l	100
18) Methyl Acetate	2.76	43	4423	1.048	ug/l #	80
19) Methyl tert-butyl Ether	3.18	73	8817	0.808	ug/l	95
20) Methylene Chloride	2.85	84	3954	0.979	ug/l	89
21) trans-1,2-Dichloroethene	3.16	96	3381	0.907	ug/l	87
22) Diisopropyl ether	3.85	45	8672	0.715	ug/l #	75
23) Vinyl Acetate	3.81	43	33396	3.350	ug/l	98
24) 1,1-Dichloroethane	3.69	63	6038	0.897	ug/l #	82
25) 2-Butanone	4.68	43	8995	3.560	ug/l	91
26) 2,2-Dichloropropane	4.58	77	4309	0.806	ug/l	92
27) cis-1,2-Dichloroethene	4.59	96	3657	0.875	ug/l	94
28) Bromochloromethane	5.01	49	2585	0.843	ug/l #	89
29) Tetrahydrofuran	5.14	42	5786m	3.552	ug/l	
30) Chloroform	5.20	83	6420	0.979	ug/l	91
31) Cyclohexane	5.58	56	4954	0.825	ug/l #	73
32) 1,1,1-Trichloroethane	5.48	97	4642	0.854	ug/l #	31
36) 1,1-Dichloropropene	5.79	75	4326	0.842	ug/l #	76
37) Ethyl Acetate	4.84	43	3325	0.698	ug/l #	77
38) Carbon Tetrachloride	5.78	117	3472	0.716	ug/l #	81

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	5554	0.926	ug/l #	86
40) Benzene	6.14	78	12305	0.807	ug/l	95
41) Methacrylonitrile	5.04	41	1494	0.522	ug/l #	66
42) 1,2-Dichloroethane	6.18	62	4950	0.946	ug/l	99
43) Isopropyl Acetate	6.43	43	6280	0.749	ug/l #	91
44) Trichloroethene	7.21	130	4269	1.006	ug/l	77
45) 1,2-Dichloropropane	7.51	63	2734	0.693	ug/l #	69
46) Dibromomethane	7.66	93	1799	0.700	ug/l #	74
47) Bromodichloromethane	7.89	83	3380	0.665	ug/l #	96
48) Methyl methacrylate	7.77	41	2136	0.501	ug/l #	71
49) 1,4-Dioxane	7.76	88	1068	11.579	ug/l #	56
51) 4-Methyl-2-Pentanone	8.64	43	17151	3.461	ug/l	100
52) Toluene	8.78	92	7536	0.809	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	3442	0.636	ug/l	97
54) cis-1,3-Dichloropropene	8.43	75	4012	0.656	ug/l #	88
55) 1,1,2-Trichloroethane	9.21	97	2760	0.720	ug/l	96
56) Ethyl methacrylate	9.18	69	3551	0.649	ug/l #	84
57) 1,3-Dichloropropane	9.37	76	5276	0.818	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	9073	3.045	ug/l	100
59) 2-Hexanone	9.49	43	11126	3.029	ug/l	97
60) Dibromochloromethane	9.58	129	3197	0.794	ug/l	95
61) 1,2-Dibromoethane	9.67	107	3328	0.826	ug/l	83
64) Tetrachloroethene	9.33	164	3804	0.923	ug/l	95
65) Chlorobenzene	10.13	112	8108	0.810	ug/l	93
66) 1,1,1,2-Tetrachloroethane	10.21	131	3029	0.802	ug/l #	65
67) Ethyl Benzene	10.25	91	12948	0.762	ug/l	91
68) m/p-Xylenes	10.35	106	9207	1.423	ug/l	99
69) o-Xylene	10.70	106	4667	0.754	ug/l	100
70) Styrene	10.71	104	7414	0.698	ug/l	96
71) Bromoform	10.85	173	1944	0.664	ug/l #	95
73) Isopropylbenzene	11.01	105	11582	0.736	ug/l	91
74) N-amyl acetate	10.89	43	3671	0.554	ug/l #	70
75) 1,1,2,2-Tetrachloroethane	11.26	83	4478	0.854	ug/l #	86
76) 1,2,3-Trichloropropane	11.29	75	4080m	0.831	ug/l	
77) Bromobenzene	11.25	156	4524	1.032	ug/l	83
78) n-propylbenzene	11.35	91	13159	0.732	ug/l	95
79) 2-Chlorotoluene	11.42	91	8137	0.758	ug/l	95
80) 1,3,5-Trimethylbenzene	11.50	105	8991	0.687	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.06	75	1522m	0.880	ug/l	
82) 4-Chlorotoluene	11.51	91	8933	0.705	ug/l	93
83) tert-Butylbenzene	11.76	119	9298	0.735	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	8525	0.648	ug/l	96
85) sec-Butylbenzene	11.94	105	10553	0.691	ug/l	94
86) p-Isopropyltoluene	12.06	119	9810	0.697	ug/l	87
87) 1,3-Dichlorobenzene	12.02	146	6361	0.826	ug/l	96
88) 1,4-Dichlorobenzene	12.09	146	7189m	0.904	ug/l	
89) n-Butylbenzene	12.38	91	8229	0.657	ug/l	98
90) Hexachloroethane	12.59	117	1989	0.747	ug/l	97
91) 1,2-Dichlorobenzene	12.38	146	6170	0.805	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	12.99	75	1181	1.125	ug/l	81

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	4482	0.843	ug/l	94
94) Hexachlorobutadiene	13.77	225	2241	0.821	ug/l	91
95) Naphthalene	13.83	128	9137	0.629	ug/l #	95
96) 1,2,3-Trichlorobenzene	14.01	180	4563	0.860	ug/l	89

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

