

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX030520\
 Data File : VX015103.D
 Acq On : 05 Mar 2020 11:56
 Operator : JC/SP
 Sample : L1161-07 2.5PPB LOD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

MMDadoda
 3/6/2020 4:49:53 PM

Quant Time: Mar 06 04:21:15 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	412127	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	618843	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	567795	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	289218	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	250482	51.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.46%	
35) Dibromofluoromethane	5.48	113	200700	51.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.82%	
50) Toluene-d8	8.71	98	776511	52.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.58%	
62) 4-Bromofluorobenzene	11.13	95	268630	50.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	9054	2.509	ug/l	91
3) Chloromethane	1.32	50	14376	2.812	ug/l	99
4) Vinyl Chloride	1.40	62	14393	2.777	ug/l	99
5) Bromomethane	1.64	94	10415	3.268	ug/l	95
6) Chloroethane	1.72	64	8693	2.796	ug/l	91
7) Trichlorofluoromethane	1.92	101	16952	2.748	ug/l	98
8) Diethyl Ether	2.18	74	8178	2.927	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.37	101	11574	2.983	ug/l	98
10) Methyl Iodide	2.50	142	7975	1.819	ug/l #	88
11) Tert butyl alcohol	3.03	59	17013	20.055	ug/l	95
12) 1,1-Dichloroethene	2.37	96	11456	2.860	ug/l	98
13) Acrolein	2.28	56	10195	12.788	ug/l	94
14) Allyl chloride	2.72	41	16578	2.374	ug/l	95
15) Acrylonitrile	3.14	53	24531	11.612	ug/l	93
16) Acetone	2.44	43	27489	13.883	ug/l	98
17) Carbon Disulfide	2.56	76	28673	2.578	ug/l	100
18) Methyl Acetate	2.76	43	13198	2.726	ug/l #	90
19) Methyl tert-butyl Ether	3.18	73	32909	2.630	ug/l	97
20) Methylene Chloride	2.85	84	12860	2.775	ug/l #	95
21) trans-1,2-Dichloroethene	3.16	96	12144	2.840	ug/l	84
22) Diisopropyl ether	3.84	45	37822	2.718	ug/l	92
23) Vinyl Acetate	3.80	43	143953	12.587	ug/l	98
24) 1,1-Dichloroethane	3.69	63	20314	2.631	ug/l	93
25) 2-Butanone	4.67	43	34684	11.965	ug/l	98
26) 2,2-Dichloropropane	4.57	77	17260	2.816	ug/l	98
27) cis-1,2-Dichloroethene	4.59	96	12543	2.614	ug/l	96
28) Bromochloromethane	5.01	49	10197	2.900	ug/l	94
29) Tetrahydrofuran	5.12	42	22564	12.075	ug/l	97
30) Chloroform	5.19	83	20814	2.766	ug/l	92
31) Cyclohexane	5.57	56	18585	2.698	ug/l	91
32) 1,1,1-Trichloroethane	5.48	97	17312	2.775	ug/l	93
36) 1,1-Dichloropropene	5.79	75	15398	2.692	ug/l	97
37) Ethyl Acetate	4.82	43	13583	2.560	ug/l #	93
38) Carbon Tetrachloride	5.78	117	14335	2.655	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	17700	2.650	ug/l	99
40) Benzene	6.14	78	46141	2.718	ug/l	95
41) Methacrylonitrile	5.03	41	7741	2.429	ug/l	97
42) 1,2-Dichloroethane	6.18	62	18340	3.146	ug/l	90
43) Isopropyl Acetate	6.43	43	23574	2.525	ug/l	98
44) Trichloroethene	7.20	130	13467	2.849	ug/l	91
45) 1,2-Dichloropropane	7.51	63	11199	2.549	ug/l #	86
46) Dibromomethane	7.65	93	8215	2.870	ug/l	96
47) Bromodichloromethane	7.89	83	14886	2.630	ug/l #	98
48) Methyl methacrylate	7.76	41	10383	2.185	ug/l	94
49) 1,4-Dioxane	7.75	88	4972	48.397	ug/l	94
51) 4-Methyl-2-Pentanone	8.64	43	66992	12.137	ug/l	99
52) Toluene	8.78	92	29218	2.815	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	14409	2.391	ug/l	93
54) cis-1,3-Dichloropropene	8.43	75	16650	2.444	ug/l	93
55) 1,1,2-Trichloroethane	9.21	97	10936	2.560	ug/l	95
56) Ethyl methacrylate	9.17	69	14006	2.299	ug/l	99
57) 1,3-Dichloropropane	9.37	76	18922	2.633	ug/l	95
58) 2-Chloroethyl Vinyl ether	8.31	63	42053	12.670	ug/l	98
59) 2-Hexanone	9.48	43	49712	12.151	ug/l	98
60) Dibromochloromethane	9.57	129	10941	2.438	ug/l	93
61) 1,2-Dibromoethane	9.67	107	11970	2.668	ug/l	97
64) Tetrachloroethene	9.33	164	13460	2.867	ug/l	95
65) Chlorobenzene	10.14	112	31800	2.790	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.21	131	10195	2.372	ug/l	94
67) Ethyl Benzene	10.25	91	51695	2.671	ug/l	100
68) m/p-Xylenes	10.36	106	38566	5.237	ug/l	99
69) o-Xylene	10.70	106	18105	2.568	ug/l	99
70) Styrene	10.71	104	28169	2.330	ug/l	98
71) Bromoform	10.85	173	7546	2.264	ug/l #	98
73) Isopropylbenzene	11.01	105	47858	2.590	ug/l	99
74) N-amyl acetate	10.89	43	18290	2.349	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.26	83	16084	2.612	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	12970m	2.248	ug/l	
77) Bromobenzene	11.25	156	14104	2.739	ug/l	97
78) n-propylbenzene	11.35	91	57071	2.704	ug/l	99
79) 2-Chlorotoluene	11.42	91	34058	2.702	ug/l	98
80) 1,3,5-Trimethylbenzene	11.50	105	39594	2.574	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	4107m	2.020	ug/l	
82) 4-Chlorotoluene	11.51	91	38806	2.606	ug/l	99
83) tert-Butylbenzene	11.76	119	39600	2.663	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	40118	2.596	ug/l	100
85) sec-Butylbenzene	11.94	105	46299	2.579	ug/l	98
86) p-Isopropyltoluene	12.06	119	42928	2.595	ug/l	95
87) 1,3-Dichlorobenzene	12.02	146	25368	2.803	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	26735	2.861	ug/l	94
89) n-Butylbenzene	12.39	91	36532	2.483	ug/l	99
90) Hexachloroethane	12.59	117	7421	2.373	ug/l	95
91) 1,2-Dichlorobenzene	12.39	146	24586	2.732	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	12.99	75	3505	2.843	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	16857	2.699	ug/l	97
94) Hexachlorobutadiene	13.78	225	8697	2.713	ug/l	96
95) Naphthalene	13.83	128	37846	2.217	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	16098	2.583	ug/l	95

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

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