

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX030520\
 Data File : VX015104.D
 Acq On : 05 Mar 2020 12:18
 Operator : JC/SP
 Sample : L1161-07 2.5PPB MDL
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

MMDadoda
 3/6/2020 4:49:58 PM

Quant Time: Mar 06 04:22:44 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	279957	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	463892	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	435372	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	212102	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	204762	61.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	123.30%	
35) Dibromofluoromethane	5.49	113	160592	54.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.74%	
50) Toluene-d8	8.71	98	586578	52.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.38%	
62) 4-Bromofluorobenzene	11.13	95	203615	51.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	5634	2.298	ug/l	89
3) Chloromethane	1.32	50	10675	3.074	ug/l	99
4) Vinyl Chloride	1.40	62	9349	2.655	ug/l	97
5) Bromomethane	1.64	94	8484	3.919	ug/l	94
6) Chloroethane	1.72	64	6147	2.910	ug/l	100
7) Trichlorofluoromethane	1.92	101	10491	2.504	ug/l	99
8) Diethyl Ether	2.18	74	6175	3.254	ug/l	82
9) 1,1,2-Trichlorotrifluoroet	2.37	101	6979	2.648	ug/l	99
10) Methyl Iodide	2.50	142	6606	2.218	ug/l #	85
11) Tert butyl alcohol	3.02	59	14289	24.797	ug/l	98
12) 1,1-Dichloroethene	2.37	96	7868	2.892	ug/l	96
13) Acrolein	2.28	56	9052	16.715	ug/l	93
14) Allyl chloride	2.72	41	13487	2.843	ug/l	97
15) Acrylonitrile	3.13	53	23419	16.319	ug/l	97
16) Acetone	2.44	43	24345	18.099	ug/l	96
17) Carbon Disulfide	2.56	76	19623	2.597	ug/l	97
18) Methyl Acetate	2.76	43	11355	3.452	ug/l	94
19) Methyl tert-butyl Ether	3.19	73	25360	2.983	ug/l	100
20) Methylene Chloride	2.85	84	10291	3.269	ug/l	99
21) trans-1,2-Dichloroethene	3.16	96	7963	2.741	ug/l	92
22) Diisopropyl ether	3.84	45	27525	2.912	ug/l #	82
23) Vinyl Acetate	3.81	43	112301	14.455	ug/l	100
24) 1,1-Dichloroethane	3.69	63	15860	3.024	ug/l	94
25) 2-Butanone	4.67	43	31993	16.247	ug/l	95
26) 2,2-Dichloropropane	4.58	77	10448	2.509	ug/l	99
27) cis-1,2-Dichloroethene	4.58	96	9740	2.989	ug/l	96
28) Bromochloromethane	5.00	49	7722	3.233	ug/l	92
29) Tetrahydrofuran	5.12	42	19830	15.622	ug/l	97
30) Chloroform	5.20	83	16016	3.133	ug/l	96
31) Cyclohexane	5.58	56	9912	2.119	ug/l #	90
32) 1,1,1-Trichloroethane	5.48	97	11605	2.738	ug/l #	90
36) 1,1-Dichloropropene	5.80	75	9859	2.299	ug/l	92
37) Ethyl Acetate	4.83	43	11965	3.008	ug/l #	90
38) Carbon Tetrachloride	5.78	117	10092	2.493	ug/l	86

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	9906	1.978	ug/l	96
40) Benzene	6.14	78	34765	2.732	ug/l	95
41) Methacrylonitrile	5.04	41	7402	3.098	ug/l #	88
42) 1,2-Dichloroethane	6.19	62	14693	3.363	ug/l	86
43) Isopropyl Acetate	6.43	43	19085	2.727	ug/l #	89
44) Trichloroethene	7.21	130	9625	2.716	ug/l	99
45) 1,2-Dichloropropane	7.51	63	8587	2.607	ug/l	93
46) Dibromomethane	7.65	93	6037	2.813	ug/l	95
47) Bromodichloromethane	7.89	83	11651	2.746	ug/l	96
48) Methyl methacrylate	7.76	41	8727	2.450	ug/l	94
49) 1,4-Dioxane	7.74	88	4594	59.655	ug/l #	82
51) 4-Methyl-2-Pentanone	8.64	43	56961	13.766	ug/l	99
52) Toluene	8.78	92	22495	2.892	ug/l	89
53) t-1,3-Dichloropropene	9.04	75	11060	2.449	ug/l #	84
54) cis-1,3-Dichloropropene	8.43	75	12486	2.445	ug/l	90
55) 1,1,2-Trichloroethane	9.21	97	9880	3.086	ug/l	94
56) Ethyl methacrylate	9.17	69	12625	2.764	ug/l #	91
57) 1,3-Dichloropropane	9.37	76	16186	3.005	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	29002	11.656	ug/l	98
59) 2-Hexanone	9.48	43	41981	13.689	ug/l	98
60) Dibromochloromethane	9.57	129	9082	2.700	ug/l	97
61) 1,2-Dibromoethane	9.67	107	9078	2.699	ug/l	96
64) Tetrachloroethene	9.33	164	8733	2.426	ug/l	90
65) Chlorobenzene	10.14	112	23354	2.672	ug/l	92
66) 1,1,1,2-Tetrachloroethane	10.21	131	8570	2.600	ug/l	96
67) Ethyl Benzene	10.25	91	36264	2.443	ug/l	100
68) m/p-Xylenes	10.36	106	26599	4.710	ug/l	98
69) o-Xylene	10.69	106	13407	2.480	ug/l	99
70) Styrene	10.71	104	21011	2.266	ug/l	96
71) Bromoform	10.85	173	6180	2.418	ug/l #	100
73) Isopropylbenzene	11.01	105	32832	2.423	ug/l	97
74) N-amyl acetate	10.89	43	14580	2.553	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.26	83	12760	2.826	ug/l	95
76) 1,2,3-Trichloropropane	11.29	75	12971m	3.066	ug/l	
77) Bromobenzene	11.25	156	10203	2.702	ug/l	97
78) n-propylbenzene	11.35	91	36604	2.365	ug/l	97
79) 2-Chlorotoluene	11.42	91	23521	2.544	ug/l	95
80) 1,3,5-Trimethylbenzene	11.50	105	26824	2.378	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	3237m	2.171	ug/l	
82) 4-Chlorotoluene	11.51	91	27569	2.524	ug/l	100
83) tert-Butylbenzene	11.76	119	26431	2.423	ug/l	96
84) 1,2,4-Trimethylbenzene	11.80	105	28507	2.516	ug/l	100
85) sec-Butylbenzene	11.94	105	29708	2.256	ug/l	98
86) p-Isopropyltoluene	12.06	119	26903	2.218	ug/l	97
87) 1,3-Dichlorobenzene	12.02	146	17083	2.574	ug/l	97
88) 1,4-Dichlorobenzene	12.09	146	18526	2.703	ug/l	87
89) n-Butylbenzene	12.39	91	22028	2.042	ug/l	100
90) Hexachloroethane	12.59	117	5152	2.247	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	18162	2.752	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	2979	3.295	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	11278	2.462	ug/l	97
94) Hexachlorobutadiene	13.78	225	4911	2.089	ug/l	95
95) Naphthalene	13.83	128	27981	2.235	ug/l	96
96) 1,2,3-Trichlorobenzene	14.01	180	11651	2.549	ug/l	99

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

