

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX101519\
 Data File : VX013077.D
 Acq On : 15 Oct 2019 14:54
 Operator : JC/SP
 Sample : K5111-09 2.5PPB MDL
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-MDL-WATER-03-QT4-2019DL

Manual Integrations
 APPROVED

MMDadoda
 10/16/2019 9:57:27 AM

Quant Time: Oct 16 07:20:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X100819W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 16 07:02:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	163911	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	273419	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	241807	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	107092	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	103602	50.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.14%	
35) Dibromofluoromethane	5.49	113	80522	51.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.62%	
50) Toluene-d8	8.71	98	306986	50.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.32%	
62) 4-Bromofluorobenzene	11.14	95	112805	47.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.86%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.19	85	4543	2.719	ug/l 92
3) Chloromethane	1.32	50	4882	2.685	ug/l 98
4) Vinyl Chloride	1.40	62	4747	2.529	ug/l 98
5) Bromomethane	1.63	94	2780	3.563	ug/l 89
6) Chloroethane	1.71	64	3965	3.589	ug/l 94
7) Trichlorofluoromethane	1.92	101	7439	2.937	ug/l 98
8) Diethyl Ether	2.18	74	2817	2.755	ug/l 91
9) 1,1,2-Trichlorotrifluoroet	2.37	101	4512	2.752	ug/l 99
10) Methyl Iodide	2.50	142	3699	2.293	ug/l 95
11) Tert butyl alcohol	3.03	59	10432	19.209	ug/l # 92
12) 1,1-Dichloroethene	2.36	96	4508	2.722	ug/l 86
13) Acrolein	2.28	56	3964	10.271	ug/l 88
14) Allyl chloride	2.72	41	7504	2.544	ug/l 99
15) Acrylonitrile	3.14	53	13420	13.039	ug/l 99
16) Acetone	2.43	43	13064	12.098	ug/l 97
17) Carbon Disulfide	2.56	76	10573	2.239	ug/l # 87
18) Methyl Acetate	2.76	43	6848	2.675	ug/l 99
19) Methyl tert-butyl Ether	3.18	73	15451	2.701	ug/l # 89
20) Methylene Chloride	2.85	84	5591	2.817	ug/l 92
21) trans-1,2-Dichloroethene	3.16	96	4825	2.718	ug/l 90
22) Diisopropyl ether	3.84	45	14838	2.625	ug/l # 77
23) Vinyl Acetate	3.80	43	58482	11.985	ug/l 100
24) 1,1-Dichloroethane	3.69	63	8955	2.816	ug/l 98
25) 2-Butanone	4.67	43	18870	12.596	ug/l # 89
26) 2,2-Dichloropropane	4.58	77	6747	2.523	ug/l 97
27) cis-1,2-Dichloroethene	4.59	96	5634	2.753	ug/l 97
28) Bromochloromethane	5.00	49	2633	2.891	ug/l # 96
29) Tetrahydrofuran	5.12	42	12932	14.027	ug/l 98
30) Chloroform	5.20	83	9157	2.806	ug/l 92
31) Cyclohexane	5.58	56	7644	2.571	ug/l # 88
32) 1,1,1-Trichloroethane	5.48	97	7638	2.763	ug/l 95
36) 1,1-Dichloropropene	5.79	75	6310	2.625	ug/l 96
37) Ethyl Acetate	4.83	43	6907	2.570	ug/l # 87
38) Carbon Tetrachloride	5.78	117	6061	2.590	ug/l 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	7816	2.681	ug/l	93
40) Benzene	6.13	78	19547	2.753	ug/l	100
41) Methacrylonitrile	5.03	41	3836	2.597	ug/l	98
42) 1,2-Dichloroethane	6.18	62	7144	2.804	ug/l	97
43) Isopropyl Acetate	6.43	43	10561	2.448	ug/l #	93
44) Trichloroethene	7.21	130	5257	2.670	ug/l	91
45) 1,2-Dichloropropane	7.51	63	4881	2.697	ug/l	92
46) Dibromomethane	7.65	93	3326	2.759	ug/l	98
47) Bromodichloromethane	7.89	83	6015	2.557	ug/l #	92
48) Methyl methacrylate	7.76	41	5135	2.442	ug/l	98
49) 1,4-Dioxane	7.73	88	2851	56.089	ug/l	92
51) 4-Methyl-2-Pentanone	8.64	43	34547	12.843	ug/l	100
52) Toluene	8.78	92	12492	2.750	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	5768	2.215	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	6656	2.300	ug/l	92
55) 1,1,2-Trichloroethane	9.21	97	4734	2.634	ug/l	97
56) Ethyl methacrylate	9.17	69	6982	2.398	ug/l	97
57) 1,3-Dichloropropane	9.37	76	8654	2.783	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.31	63	14478	10.964	ug/l	98
59) 2-Hexanone	9.49	43	26144	12.486	ug/l	97
60) Dibromochloromethane	9.58	129	4033	2.290	ug/l	99
61) 1,2-Dibromoethane	9.67	107	4725	2.499	ug/l	96
64) Tetrachloroethene	9.34	164	5241	3.125	ug/l	95
65) Chlorobenzene	10.14	112	13494	2.810	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	4270	2.565	ug/l	99
67) Ethyl Benzene	10.25	91	23158	2.715	ug/l	97
68) m/p-Xylenes	10.35	106	17407	5.463	ug/l	98
69) o-Xylene	10.70	106	8036	2.586	ug/l	92
70) Styrene	10.71	104	12938	2.449	ug/l	97
71) Bromoform	10.85	173	2554	2.128	ug/l #	97
73) Isopropylbenzene	11.01	105	20936	2.659	ug/l	97
74) N-amyl acetate	10.89	43	7517	2.217	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	7306	2.790	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	6738m	2.837	ug/l	
77) Bromobenzene	11.25	156	5782	3.116	ug/l	93
78) n-propylbenzene	11.35	91	22669	2.616	ug/l	99
79) 2-Chlorotoluene	11.42	91	15747	2.892	ug/l	100
80) 1,3,5-Trimethylbenzene	11.50	105	18140	2.759	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.07	75	1494m	1.780	ug/l	
82) 4-Chlorotoluene	11.51	91	16420	2.631	ug/l	94
83) tert-Butylbenzene	11.77	119	16752	2.612	ug/l	95
84) 1,2,4-Trimethylbenzene	11.80	105	17674	2.654	ug/l	96
85) sec-Butylbenzene	11.94	105	19797	2.664	ug/l	98
86) p-Isopropyltoluene	12.06	119	17388	2.523	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	9286	2.695	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	9335	2.675	ug/l	84
89) n-Butylbenzene	12.39	91	13830	2.388	ug/l	97
90) Hexachloroethane	12.59	117	2617	2.344	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	9489	2.809	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	12.99	75	1535	2.501	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	5237	2.475	ug/l	91
94) Hexachlorobutadiene	13.78	225	2542	2.603	ug/l	98
95) Naphthalene	13.83	128	16251	2.216	ug/l	98
96) 1,2,3-Trichlorobenzene	14.02	180	5158	2.359	ug/l	97

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

