

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX101519\
 Data File : VX013082.D
 Acq On : 15 Oct 2019 16:50
 Operator : JC/SP
 Sample : K5111-07 2.5PPB LOD-MDL
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2019DL

Manual Integrations
 APPROVED

MMDadoda
 10/16/2019 9:57:17 AM

Quant Time: Oct 16 07:25:28 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	159918	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	272390	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	240328	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	106035	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	95166	47.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.22%	
35) Dibromofluoromethane	5.49	113	73610	47.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.16%	
50) Toluene-d8	8.71	98	277957	45.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.18%	
62) 4-Bromofluorobenzene	11.14	95	103725	43.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.56%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.19	85	4109	2.521	ug/l 98
3) Chloromethane	1.32	50	4602	2.594	ug/l 99
4) Vinyl Chloride	1.40	62	4344	2.372	ug/l 98
5) Bromomethane	1.63	94	2353	3.091	ug/l 91
6) Chloroethane	1.72	64	3501	3.248	ug/l 97
7) Trichlorofluoromethane	1.92	101	6567	2.657	ug/l 93
8) Diethyl Ether	2.18	74	2580	2.586	ug/l 92
9) 1,1,2-Trichlorotrifluoroet	2.37	101	4443	2.778	ug/l 95
10) Methyl Iodide	2.50	142	3408	2.166	ug/l 97
11) Tert butyl alcohol	3.03	59	9310	17.571	ug/l # 91
12) 1,1-Dichloroethene	2.36	96	4033	2.496	ug/l 96
13) Acrolein	2.28	56	4051	10.758	ug/l 98
14) Allyl chloride	2.72	41	6776	2.354	ug/l 97
15) Acrylonitrile	3.13	53	12931	12.878	ug/l 98
16) Acetone	2.44	43	13093	12.427	ug/l 99
17) Carbon Disulfide	2.56	76	9950	2.159	ug/l 99
18) Methyl Acetate	2.76	43	7124	2.853	ug/l 99
19) Methyl tert-butyl Ether	3.19	73	14587	2.614	ug/l 100
20) Methylene Chloride	2.84	84	5775	2.983	ug/l # 92
21) trans-1,2-Dichloroethene	3.16	96	4705	2.716	ug/l 96
22) Diisopropyl ether	3.84	45	14251	2.584	ug/l # 78
23) Vinyl Acetate	3.81	43	55460	11.650	ug/l 99
24) 1,1-Dichloroethane	3.69	63	8356	2.693	ug/l 97
25) 2-Butanone	4.67	43	18790	12.855	ug/l 98
26) 2,2-Dichloropropane	4.56	77	6339	2.430	ug/l 98
27) cis-1,2-Dichloroethene	4.59	96	5610	2.810	ug/l 96
28) Bromochloromethane	5.00	49	2811	3.164	ug/l # 98
29) Tetrahydrofuran	5.13	42	11409	12.684	ug/l 97
30) Chloroform	5.20	83	8630	2.711	ug/l 92
31) Cyclohexane	5.57	56	7258	2.502	ug/l # 83
32) 1,1,1-Trichloroethane	5.49	97	6701	2.484	ug/l 95
36) 1,1-Dichloropropene	5.79	75	6088	2.542	ug/l 97
37) Ethyl Acetate	4.83	43	5925	2.213	ug/l # 95
38) Carbon Tetrachloride	5.78	117	5948	2.552	ug/l 91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	7.46	83	7429	2.558	ug/l #	84
40) Benzene	6.14	78	19257	2.722	ug/l	91
41) Methacrylonitrile	5.03	41	3729	2.534	ug/l #	78
42) 1,2-Dichloroethane	6.18	62	7304	2.878	ug/l	100
43) Isopropyl Acetate	6.44	43	10419	2.424	ug/l	98
44) Trichloroethene	7.20	130	5093	2.597	ug/l	85
45) 1,2-Dichloropropane	7.51	63	4698	2.606	ug/l	97
46) Dibromomethane	7.66	93	3055	2.544	ug/l	98
47) Bromodichloromethane	7.89	83	5630	2.402	ug/l	95
48) Methyl methacrylate	7.77	41	4952	2.364	ug/l	97
49) 1,4-Dioxane	7.74	88	2588	51.107	ug/l	88
51) 4-Methyl-2-Pentanone	8.64	43	33230	12.400	ug/l	100
52) Toluene	8.78	92	11981	2.648	ug/l	97
53) t-1,3-Dichloropropene	9.04	75	5189	2.000	ug/l	97
54) cis-1,3-Dichloropropene	8.43	75	6384	2.214	ug/l	93
55) 1,1,2-Trichloroethane	9.21	97	4329	2.417	ug/l	94
56) Ethyl methacrylate	9.18	69	6666	2.299	ug/l	98
57) 1,3-Dichloropropane	9.37	76	8286	2.675	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	14529	11.044	ug/l	99
59) 2-Hexanone	9.49	43	25123	12.043	ug/l	99
60) Dibromochloromethane	9.58	129	3933	2.241	ug/l	98
61) 1,2-Dibromoethane	9.67	107	4695	2.492	ug/l	98
64) Tetrachloroethene	9.33	164	4675	2.805	ug/l #	85
65) Chlorobenzene	10.14	112	12591	2.638	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.22	131	4225	2.553	ug/l	98
67) Ethyl Benzene	10.25	91	21332	2.516	ug/l #	86
68) m/p-Xylenes	10.35	106	16712	5.277	ug/l	94
69) o-Xylene	10.70	106	7883	2.552	ug/l	99
70) Styrene	10.71	104	11649	2.219	ug/l	95
71) Bromoform	10.85	173	2438	2.044	ug/l #	97
73) Isopropylbenzene	11.01	105	19678	2.524	ug/l	97
74) N-amyl acetate	10.89	43	7591	2.261	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.26	83	6841	2.638	ug/l	98
76) 1,2,3-Trichloropropane	11.29	75	6285m	2.672	ug/l	
77) Bromobenzene	11.25	156	4995	2.719	ug/l	98
78) n-propylbenzene	11.35	91	22015	2.566	ug/l	97
79) 2-Chlorotoluene	11.42	91	14851	2.755	ug/l	96
80) 1,3,5-Trimethylbenzene	11.50	105	16673	2.561	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	1489m	1.792	ug/l	
82) 4-Chlorotoluene	11.51	91	16129	2.610	ug/l	100
83) tert-Butylbenzene	11.77	119	16193	2.550	ug/l	97
84) 1,2,4-Trimethylbenzene	11.80	105	16677	2.530	ug/l	99
85) sec-Butylbenzene	11.94	105	18871	2.565	ug/l	98
86) p-Isopropyltoluene	12.06	119	16132	2.364	ug/l	96
87) 1,3-Dichlorobenzene	12.02	146	8513	2.495	ug/l	95
88) 1,4-Dichlorobenzene	12.09	146	9117	2.639	ug/l	87
89) n-Butylbenzene	12.38	91	12713	2.217	ug/l	99
90) Hexachloroethane	12.59	117	2563	2.319	ug/l	97
91) 1,2-Dichlorobenzene	12.38	146	9055	2.707	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	12.99	75	1423	2.341	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	4761	2.272	ug/l	98
94) Hexachlorobutadiene	13.77	225	2483	2.568	ug/l	96
95) Naphthalene	13.83	128	14959	2.060	ug/l	98
96) 1,2,3-Trichlorobenzene	14.01	180	5017	2.317	ug/l	98

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

