

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX101019\
 Data File : VX013001.D
 Acq On : 10 Oct 2019 17:17
 Operator : JC/SP
 Sample : K5111-07 0.5PPB
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

MMDadoda
 10/14/2019 2:47:45 PM

Quant Time: Oct 11 09:44:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X100819W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 11 09:36:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	156324	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	272855	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	239948	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	102650	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	105779	54.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.28%	
35) Dibromofluoromethane	5.49	113	79646	50.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.72%	
50) Toluene-d8	8.71	98	301390	49.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.68%	
62) 4-Bromofluorobenzene	11.14	95	106551	44.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.80%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.19	85	771	0.484	ug/l	88
3) Chloromethane	1.32	50	1013	0.584	ug/l #	83
4) Vinyl Chloride	1.40	62	859	0.480	ug/l #	61
5) Bromomethane	1.64	94	636	0.855	ug/l #	78
6) Chloroethane	1.72	64	300	0.285	ug/l	95
7) Trichlorofluoromethane	1.93	101	1302	0.539	ug/l	99
8) Diethyl Ether	2.18	74	546	0.560	ug/l	56
9) 1,1,2-Trichlorotrifluoroet	2.37	101	883	0.565	ug/l	91
10) Methyl Iodide	2.51	142	522	0.339	ug/l #	84
11) Tert butyl alcohol	3.01	59	4365	8.427	ug/l #	72
12) 1,1-Dichloroethene	2.36	96	893	0.565	ug/l #	85
13) Acrolein	2.28	56	746	2.027	ug/l #	81
14) Allyl chloride	2.72	41	1463	0.520	ug/l	95
15) Acrylonitrile	3.14	53	2401	2.446	ug/l	98
16) Acetone	2.44	43	2902	2.818	ug/l	91
17) Carbon Disulfide	2.56	76	1983	0.440	ug/l #	83
18) Methyl Acetate	2.76	43	1360	0.557	ug/l	99
19) Methyl tert-butyl Ether	3.19	73	2812	0.515	ug/l	97
20) Methylene Chloride	2.85	84	1412	0.746	ug/l #	82
21) trans-1,2-Dichloroethene	3.15	96	872	0.515	ug/l #	79
22) Diisopropyl ether	3.86	45	2901	0.538	ug/l #	96
23) Vinyl Acetate	3.81	43	9656	2.075	ug/l #	91
24) 1,1-Dichloroethane	3.69	63	1708	0.563	ug/l #	88
25) 2-Butanone	4.69	43	3436m	2.405	ug/l	
26) 2,2-Dichloropropane	4.58	77	1112	0.436	ug/l #	68
27) cis-1,2-Dichloroethene	4.59	96	1238	0.634	ug/l #	3
28) Bromochloromethane	5.02	49	471	0.542	ug/l #	13
29) Tetrahydrofuran	5.14	42	2137	2.431	ug/l #	84
30) Chloroform	5.20	83	2043	0.657	ug/l	84
31) Cyclohexane	5.57	56	1328	0.468	ug/l #	80
32) 1,1,1-Trichloroethane	5.48	97	1216	0.461	ug/l #	48
36) 1,1-Dichloropropene	5.79	75	696	0.290	ug/l #	76
37) Ethyl Acetate	4.84	43	1666	0.621	ug/l #	77
38) Carbon Tetrachloride	5.78	117	1077	0.461	ug/l #	72

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

39) Methylcyclohexane	7.45	83	1445	0.497	ug/l #	87
40) Benzene	6.14	78	3666	0.517	ug/l	93
41) Methacrylonitrile	5.04	41	420m	0.285	ug/l	
42) 1,2-Dichloroethane	6.19	62	1493	0.587	ug/l #	73
43) Isopropyl Acetate	6.45	43	1937	0.450	ug/l #	94
44) Trichloroethene	7.21	130	1226	0.624	ug/l	79
45) 1,2-Dichloropropane	7.51	63	981	0.543	ug/l #	60
46) Dibromomethane	7.66	93	650	0.540	ug/l	96
47) Bromodichloromethane	7.89	83	1096	0.467	ug/l #	98
48) Methyl methacrylate	7.77	41	987	0.470	ug/l #	68
49) 1,4-Dioxane	7.74	88	247	4.869	ug/l #	58
51) 4-Methyl-2-Pentanone	8.64	43	5859	2.183	ug/l	100
52) Toluene	8.78	92	2161	0.477	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	903	0.347	ug/l #	84
54) cis-1,3-Dichloropropene	8.44	75	995	0.345	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	896	0.499	ug/l #	86
56) Ethyl methacrylate	9.18	69	1130	0.389	ug/l	92
57) 1,3-Dichloropropane	9.37	76	1593	0.513	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.31	63	2451	1.860	ug/l	97
59) 2-Hexanone	9.49	43	3848	1.841	ug/l	99
60) Dibromochloromethane	9.57	129	673	0.383	ug/l	96
61) 1,2-Dibromoethane	9.67	107	893	0.473	ug/l	94
64) Tetrachloroethene	9.34	164	1093	0.657	ug/l #	76
65) Chlorobenzene	10.14	112	2320	0.487	ug/l #	81
66) 1,1,1,2-Tetrachloroethane	10.21	131	772	0.467	ug/l #	65
67) Ethyl Benzene	10.25	91	3801	0.449	ug/l	96
68) m/p-Xylenes	10.35	106	2739	0.866	ug/l	96
69) o-Xylene	10.70	106	1468	0.476	ug/l	99
70) Styrene	10.71	104	2243	0.428	ug/l	92
71) Bromoform	10.85	173	447	0.375	ug/l #	92
73) Isopropylbenzene	11.01	105	3410	0.452	ug/l	97
74) N-amyl acetate	10.90	43	1352	0.416	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	11.26	83	1159	0.462	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	951m	0.418	ug/l	
77) Bromobenzene	11.25	156	1034	0.581	ug/l	92
78) n-propylbenzene	11.35	91	3941	0.475	ug/l	95
79) 2-Chlorotoluene	11.42	91	2568	0.492	ug/l	96
80) 1,3,5-Trimethylbenzene	11.50	105	2662	0.422	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.07	75	266m	0.331	ug/l	
82) 4-Chlorotoluene	11.51	91	3028	0.506	ug/l	92
83) tert-Butylbenzene	11.77	119	2542	0.414	ug/l	93
84) 1,2,4-Trimethylbenzene	11.81	105	2888	0.453	ug/l	92
85) sec-Butylbenzene	11.95	105	3102	0.436	ug/l	93
86) p-Isopropyltoluene	12.06	119	2880	0.436	ug/l	89
87) 1,3-Dichlorobenzene	12.03	146	1462	0.443	ug/l	87
88) 1,4-Dichlorobenzene	12.09	146	1799m	0.538	ug/l	
89) n-Butylbenzene	12.38	91	2032	0.366	ug/l	98
90) Hexachloroethane	12.59	117	408	0.381	ug/l	80
91) 1,2-Dichlorobenzene	12.39	146	1656	0.511	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	290	0.493	ug/l #	54

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	784	0.387	ug/l	78
94) Hexachlorobutadiene	13.78	225	491	0.525	ug/l	78
95) Naphthalene	13.83	128	2682	0.381	ug/l	95
96) 1,2,3-Trichlorobenzene	14.02	180	741	0.354	ug/l	87

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

