

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX100819\
 Data File : VX012925.D
 Acq On : 09 Oct 2019 06:15
 Operator : JC/SP
 Sample : K5190-08MS
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FC-MW10S-20191002MS

Manual Integrations
 APPROVED

MMDadoda
 10/9/2019 10:39:16 AM

Quant Time: Oct 09 08:11:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X100819W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 09 01:51:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	171783	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	299595	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	269883	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	124223	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	111769	52.06	ug/l	0.00
Spiked Amount			Recovery	=	104.12%	
35) Dibromofluoromethane	5.49	113	87010	50.60	ug/l	0.00
Spiked Amount			Recovery	=	101.20%	
50) Toluene-d8	8.71	98	331799	49.47	ug/l	0.00
Spiked Amount			Recovery	=	98.94%	
62) 4-Bromofluorobenzene	11.13	95	127634	48.98	ug/l	0.00
Spiked Amount			Recovery	=	97.96%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	89856	51.316	ug/l	95
3) Chloromethane	1.32	50	98778	51.834	ug/l	96
4) Vinyl Chloride	1.40	62	99894	50.787	ug/l	100
5) Bromomethane	1.63	94	33783	41.318	ug/l	95
6) Chloroethane	1.71	64	62257	51.804	ug/l	99
7) Trichlorofluoromethane	1.92	101	137464	51.780	ug/l	99
8) Diethyl Ether	2.18	74	55760	52.036	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.37	101	84119	48.959	ug/l	100
10) Methyl Iodide	2.50	142	93718	48.336	ug/l	99
11) Tert butyl alcohol	3.03	59	140196	246.317	ug/l	99
12) 1,1-Dichloroethene	2.36	96	88455	50.955	ug/l	94
13) Acrolein	2.28	56	92227	228.012	ug/l	100
14) Allyl chloride	2.72	41	153614	49.689	ug/l	99
15) Acrylonitrile	3.13	53	282813	262.200	ug/l	99
16) Acetone	2.44	43	248883	219.916	ug/l	99
17) Carbon Disulfide	2.56	76	235294	47.535	ug/l	99
18) Methyl Acetate	2.76	43	122019	45.487	ug/l	99
19) Methyl tert-butyl Ether	3.19	73	319902	53.363	ug/l	98
20) Methylene Chloride	2.85	84	102332	49.201	ug/l	96
21) trans-1,2-Dichloroethene	3.15	96	96421	51.822	ug/l	99
22) Diisopropyl ether	3.84	45	315555	53.268	ug/l	95
23) Vinyl Acetate	3.80	43	1222592	239.071	ug/l	99
24) 1,1-Dichloroethane	3.69	63	176775	53.044	ug/l	99
25) 2-Butanone	4.66	43	387815	247.000	ug/l	99
26) 2,2-Dichloropropane	4.57	77	97285	34.714	ug/l	96
27) cis-1,2-Dichloroethene	4.59	96	110605	51.571	ug/l	97
28) Bromochloromethane	5.01	49	54123	54.382	ug/l	100
29) Tetrahydrofuran	5.11	42	255306	264.240	ug/l	99
30) Chloroform	5.20	83	176809	51.705	ug/l	98
31) Cyclohexane	5.57	56	155398	49.867	ug/l	98
32) 1,1,1-Trichloroethane	5.48	97	155381	53.628	ug/l	98
36) 1,1-Dichloropropene	5.79	75	132483	50.296	ug/l	100
37) Ethyl Acetate	4.82	43	137481	46.677	ug/l	99
38) Carbon Tetrachloride	5.78	117	129930	50.678	ug/l	99

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39) Methylcyclohexane	7.46	83	153714	48.120	ug/l	98
40) Benzene	6.13	78	402481	51.735	ug/l	98
41) Methacrylonitrile	5.03	41	82139	50.752	ug/l	99
42) 1,2-Dichloroethane	6.18	62	143235	51.309	ug/l	100
43) Isopropyl Acetate	6.43	43	227239	48.068	ug/l	100
44) Trichloroethene	7.20	130	103009	47.748	ug/l	93
45) 1,2-Dichloropropane	7.51	63	102067	51.476	ug/l	96
46) Dibromomethane	7.65	93	67569	51.148	ug/l	99
47) Bromodichloromethane	7.89	83	134341	52.109	ug/l	98
48) Methyl methacrylate	7.76	41	116234	50.455	ug/l	99
49) 1,4-Dioxane	7.73	88	59418	962.481	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	757780	257.097	ug/l	100
52) Toluene	8.78	92	254436	51.121	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	138453	43.336	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	153666	48.463	ug/l	100
55) 1,1,2-Trichloroethane	9.21	97	100908	51.231	ug/l	99
56) Ethyl methacrylate	9.17	69	166089	47.197	ug/l	99
57) 1,3-Dichloropropane	9.37	76	174832	51.313	ug/l	99
59) 2-Hexanone	9.49	43	582427	253.847	ug/l	100
60) Dibromochloromethane	9.58	129	103223	47.201	ug/l	98
61) 1,2-Dibromoethane	9.67	107	107082	51.681	ug/l	98
64) Tetrachloroethene	9.33	164	94001	50.217	ug/l	98
65) Chlorobenzene	10.14	112	264955	49.437	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	96513	51.938	ug/l	100
67) Ethyl Benzene	10.25	91	484581	50.902	ug/l	100
68) m/p-Xylenes	10.35	106	363419	102.185	ug/l	100
69) o-Xylene	10.70	106	175383	50.569	ug/l	100
70) Stvrene	10.71	104	303088	51.406	ug/l	100
71) Bromoform	10.85	173	69670	44.386	ug/l #	100
73) Isopropylbenzene	11.01	105	470631	51.530	ug/l	100
74) N-amyl acetate	10.89	43	186216	47.342	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	155348	51.140	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	146423m	53.143	ug/l	
77) Bromobenzene	11.25	156	108445	50.388	ug/l	97
78) n-propylbenzene	11.35	91	517350	51.479	ug/l	99
79) 2-Chlorotoluene	11.42	91	317901	50.333	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	399237	52.351	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	43216	41.123	ug/l	97
82) 4-Chlorotoluene	11.51	91	372314	51.429	ug/l	99
83) tert-Butylbenzene	11.76	119	380798	51.188	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	401314	51.960	ug/l	99
85) sec-Butylbenzene	11.94	105	443223	51.426	ug/l	99
86) p-Isopropyltoluene	12.06	119	401961	50.287	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	195518	48.921	ug/l	98
88) 1,4-Dichlorobenzene	12.09	146	194400	48.028	ug/l	100
89) n-Butylbenzene	12.39	91	335197	49.895	ug/l	100
90) Hexachloroethane	12.59	117	68655	46.527	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	198477	50.656	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.99	75	36666	51.499	ug/l	100
93) 1,2,4-Trichlorobenzene	13.64	180	119293	48.603	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.78	225	53154	46.926	ug/l	99
95) Naphthalene	13.83	128	431471	50.712	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	122518	48.304	ug/l	99

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

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