

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070119\
 Data File : VX010601.D
 Acq On : 01 Jul 2019 19:14
 Operator : JC/SP
 Sample : K3521-39MS
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PK-10IMS

Manual Integrations
 APPROVED

MMDadoda
 7/2/2019 9:55:28 AM

Quant Time: Jul 02 07:18:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	223180	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	340339	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	311844	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	159851	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	110416	52.77	ug/l	0.00
Spiked Amount			Recovery	=	105.54%	
35) Dibromofluoromethane	5.50	113	106211	51.01	ug/l	0.00
Spiked Amount			Recovery	=	102.02%	
50) Toluene-d8	8.71	98	395306	49.62	ug/l	0.00
Spiked Amount			Recovery	=	99.24%	
62) 4-Bromofluorobenzene	11.13	95	142483	49.54	ug/l	0.00
Spiked Amount			Recovery	=	99.08%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	67036	43.204	ug/l	99
3) Chloromethane	1.32	50	77419	42.850	ug/l	96
4) Vinyl Chloride	1.41	62	87982	44.459	ug/l	98
5) Bromomethane	1.64	94	39105	40.561	ug/l	98
6) Chloroethane	1.71	64	57251	49.036	ug/l	96
7) Trichlorofluoromethane	1.93	101	157094	50.076	ug/l	99
8) Diethyl Ether	2.19	74	59719	53.083	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.38	101	88853	46.738	ug/l	99
10) Methyl Iodide	2.51	142	98655	36.362	ug/l	98
11) Tert butyl alcohol	3.04	59	120657	220.359	ug/l	98
12) 1,1-Dichloroethene	2.37	96	92088	47.604	ug/l	97
13) Acrolein	2.29	56	96988	267.016	ug/l	99
14) Allyl chloride	2.73	41	133915	48.760	ug/l	98
15) Acrylonitrile	3.14	53	281984	260.113	ug/l	100
16) Acetone	2.45	43	223630	213.242	ug/l	98
17) Carbon Disulfide	2.57	76	207766	40.033	ug/l	99
18) Methyl Acetate	2.77	43	97881	46.830	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	316297	51.974	ug/l	96
20) Methylene Chloride	2.85	84	108342	50.200	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	99912	48.022	ug/l	98
22) Diisopropyl ether	3.85	45	298314	51.952	ug/l	95
23) Vinyl Acetate	3.81	43	1157919	233.425	ug/l	99
24) 1,1-Dichloroethane	3.70	63	170656	51.416	ug/l	99
25) 2-Butanone	4.67	43	378627	246.128	ug/l	100
26) 2,2-Dichloropropane	4.59	77	113208	39.263	ug/l	98
27) cis-1,2-Dichloroethene	4.59	96	122510	50.956	ug/l	98
28) Bromochloromethane	5.01	49	79249	49.938	ug/l	97
29) Tetrahydrofuran	5.13	42	247191	259.422	ug/l	99
30) Chloroform	5.21	83	184018	51.528	ug/l	99
31) Cyclohexane	5.58	56	142146	47.029	ug/l	95
32) 1,1,1-Trichloroethane	5.49	97	158409	50.235	ug/l	99
36) 1,1-Dichloropropene	5.80	75	127653	47.200	ug/l	99
37) Ethyl Acetate	4.83	43	127341	45.768	ug/l	99
38) Carbon Tetrachloride	5.79	117	138048	47.137	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	152512	42.900	ug/l	99
40) Benzene	6.14	78	411625	48.853	ug/l	99
41) Methacrylonitrile	5.04	41	77098	50.503	ug/l	99
42) 1,2-Dichloroethane	6.19	62	132812	51.782	ug/l	99
43) Isopropyl Acetate	6.45	43	221512	48.121	ug/l	98
44) Trichloroethene	7.21	130	120437	47.769	ug/l	97
45) 1,2-Dichloropropane	7.51	63	105670	49.662	ug/l	99
46) Dibromomethane	7.66	93	77172	50.551	ug/l	96
47) Bromodichloromethane	7.90	83	138611	49.544	ug/l	99
48) Methyl methacrylate	7.77	41	110537	51.661	ug/l	99
49) 1,4-Dioxane	7.74	88	54931	891.184	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	768442	261.013	ug/l	99
52) Toluene	8.79	92	270173	48.691	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	146406	46.676	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	162700	47.732	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	115602	50.516	ug/l	99
56) Ethyl methacrylate	9.18	69	176757	50.988	ug/l	98
57) 1,3-Dichloropropane	9.37	76	181454	51.081	ug/l	100
59) 2-Hexanone	9.49	43	589978	254.620	ug/l	97
60) Dibromochloromethane	9.58	129	124288	48.507	ug/l	99
61) 1,2-Dibromoethane	9.67	107	124881	50.557	ug/l	99
64) Tetrachloroethene	9.34	164	111352	44.147	ug/l	98
65) Chlorobenzene	10.13	112	334267	52.798	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	115714	50.178	ug/l	100
67) Ethyl Benzene	10.25	91	523999	49.026	ug/l	100
68) m/p-Xylenes	10.36	106	400306	96.660	ug/l	98
69) o-Xylene	10.69	106	196688	48.294	ug/l	97
70) Styrene	10.71	104	338841	49.610	ug/l	99
71) Bromoform	10.86	173	95301	47.521	ug/l #	100
73) Isopropylbenzene	11.02	105	526633	48.601	ug/l	99
74) N-amyl acetate	10.90	43	189246	46.212	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	181779	50.655	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	144828m	49.719	ug/l	
77) Bromobenzene	11.26	156	146544	48.433	ug/l	99
78) n-propylbenzene	11.36	91	585178	49.137	ug/l	100
79) 2-Chlorotoluene	11.42	91	344701	48.607	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	435625	48.766	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	51318	41.100	ug/l	93
82) 4-Chlorotoluene	11.51	91	398601	49.396	ug/l	100
83) tert-Butylbenzene	11.77	119	440479	49.129	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	441019	49.140	ug/l	100
85) sec-Butylbenzene	11.94	105	513683	48.796	ug/l	99
86) p-Isopropyltoluene	12.06	119	475889	48.873	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	252340	47.778	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	257465	47.884	ug/l	99
89) n-Butylbenzene	12.38	91	401338	48.504	ug/l	99
90) Hexachloroethane	12.60	117	78591	46.678	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	253228	48.241	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	36382	47.023	ug/l	93
93) 1,2,4-Trichlorobenzene	13.65	180	172391	47.357	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.78	225	81593	45.862	ug/l	100
95) Naphthalene	13.83	128	541952	48.446	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	174247	48.143	ug/l	100

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

