

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX032319\
 Data File : VX008371.D
 Acq On : 23 Mar 2019 23:36
 Operator : JC/SP
 Sample : K1937-13MS
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-TT-SW4002-20190314MS

Manual Integrations
 APPROVED

MMDadoda
 3/25/2019 11:08:18 AM

Quant Time: Mar 25 09:15:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 23 15:27:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	199332	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	347433	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	312049	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	147048	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	149748	49.26	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.52%	
35) Dibromofluoromethane	5.50	113	109124	48.48	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.96%	
50) Toluene-d8	8.71	98	439253	49.34	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.68%	
62) 4-Bromofluorobenzene	11.13	95	161361	49.36	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.72%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.20	85	108519	48.091	ug/l	100
3) Chloromethane	1.32	50	159671	47.733	ug/l	98
4) Vinyl Chloride	1.40	62	157590	48.268	ug/l	100
5) Bromomethane	1.64	94	95243	46.326	ug/l	100
6) Chloroethane	1.71	64	93593	48.947	ug/l	99
7) Trichlorofluoromethane	1.92	101	176098	47.430	ug/l	99
8) Diethyl Ether	2.18	74	83661	47.060	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	2.38	101	102130	46.435	ug/l	89
10) Methyl Iodide	2.51	142	131444	47.106	ug/l	98
11) Tert butyl alcohol	3.05	59	165139	243.864	ug/l	99
12) 1,1-Dichloroethene	2.37	96	107710	47.442	ug/l	90
13) Acrolein	2.29	56	129417	223.648	ug/l	98
14) Allyl chloride	2.73	41	234593	46.708	ug/l	94
15) Acrylonitrile	3.14	53	418970	241.601	ug/l	99
16) Acetone	2.44	43	358500	235.914	ug/l	97
17) Carbon Disulfide	2.57	76	323435	44.552	ug/l	100
18) Methyl Acetate	2.77	43	165296	43.456	ug/l	97
19) Methyl tert-butyl Ether	3.19	73	392368	47.984	ug/l	96
20) Methylene Chloride	2.85	84	127289	46.530	ug/l	90
21) trans-1,2-Dichloroethene	3.17	96	112516	45.769	ug/l	93
22) Diisopropyl ether	3.85	45	473549	48.424	ug/l #	88
23) Vinyl Acetate	3.81	43	1975987	228.857	ug/l	97
24) 1,1-Dichloroethane	3.70	63	237077	47.549	ug/l	98
25) 2-Butanone	4.67	43	608082	243.017	ug/l	97
26) 2,2-Dichloropropane	4.58	77	128283	39.935	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	131198	46.596	ug/l	91
28) Bromochloromethane	5.01	49	120188	48.287	ug/l #	77
29) Tetrahydrofuran	5.13	42	403704	242.983	ug/l	95
30) Chloroform	5.21	83	213741	47.548	ug/l	100
31) Cyclohexane	5.58	56	226619	47.399	ug/l	93
32) 1,1,1-Trichloroethane	5.49	97	171049	48.095	ug/l	96
36) 1,1-Dichloropropene	5.80	75	166053	46.772	ug/l	96
37) Ethyl Acetate	4.84	43	217569	45.281	ug/l	98
38) Carbon Tetrachloride	5.79	117	141928	46.636	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	203046	46.659	ug/l	92
40) Benzene	6.14	78	509819	47.153	ug/l	100
41) Methacrylonitrile	5.04	41	130669	49.893	ug/l	96
42) 1,2-Dichloroethane	6.19	62	181388	46.229	ug/l	96
43) Isopropyl Acetate	6.45	43	348951	46.638	ug/l	97
44) Trichloroethene	7.21	130	114487	45.598	ug/l	88
45) 1,2-Dichloropropane	7.51	63	145522	47.543	ug/l	100
46) Dibromomethane	7.66	93	83316	45.867	ug/l #	84
47) Bromodichloromethane	7.90	83	165091	47.648	ug/l	98
48) Methyl methacrylate	7.77	41	185510	49.136	ug/l	93
49) 1,4-Dioxane	7.74	88	74356	976.147	ug/l	92
51) 4-Methyl-2-Pentanone	8.64	43	1207414	245.955	ug/l	97
52) Toluene	8.79	92	304245	47.989	ug/l	97
53) t-1,3-Dichloropropene	9.04	75	178614	47.947	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	201158	47.628	ug/l	92
55) 1,1,2-Trichloroethane	9.21	97	124836	47.404	ug/l	98
56) Ethyl methacrylate	9.18	69	232712	49.916	ug/l	91
57) 1,3-Dichloropropane	9.37	76	221925	47.305	ug/l	99
59) 2-Hexanone	9.49	43	958285	254.289	ug/l	96
60) Dibromochloromethane	9.58	129	118675	48.550	ug/l	98
61) 1,2-Dibromoethane	9.67	107	128839	48.207	ug/l	98
64) Tetrachloroethene	9.34	164	92207	45.186	ug/l	94
65) Chlorobenzene	10.14	112	308052	47.071	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	107954	47.567	ug/l	98
67) Ethyl Benzene	10.25	91	590628	48.198	ug/l	96
68) m/p-Xylenes	10.36	106	426258	96.813	ug/l	92
69) o-Xylene	10.70	106	208238	48.368	ug/l	93
70) Styrene	10.71	104	363641	48.703	ug/l	96
71) Bromoform	10.85	173	86276	49.349	ug/l #	100
73) Isopropylbenzene	11.02	105	548147	47.235	ug/l	98
74) N-amyl acetate	10.90	43	319818	47.071	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.27	83	217318	47.014	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	178888m	46.477	ug/l	
77) Bromobenzene	11.26	156	128242	46.704	ug/l	80
78) n-propylbenzene	11.36	91	647567	47.611	ug/l	95
79) 2-Chlorotoluene	11.42	91	383467	46.284	ug/l	94
80) 1,3,5-Trimethylbenzene	11.51	105	467592	47.366	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.07	75	63110	46.726	ug/l	90
82) 4-Chlorotoluene	11.51	91	447618	46.888	ug/l	93
83) tert-Butylbenzene	11.77	119	452257	48.109	ug/l	95
84) 1,2,4-Trimethylbenzene	11.80	105	474268	48.141	ug/l	96
85) sec-Butylbenzene	11.94	105	532490	47.262	ug/l	95
86) p-Isopropyltoluene	12.06	119	472566	47.586	ug/l	96
87) 1,3-Dichlorobenzene	12.02	146	230766	46.793	ug/l	97
88) 1,4-Dichlorobenzene	12.10	146	231278	46.090	ug/l	97
89) n-Butylbenzene	12.38	91	448799	47.339	ug/l	96
90) Hexachloroethane	12.60	117	77495	47.242	ug/l	80
91) 1,2-Dichlorobenzene	12.39	146	235072	47.064	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.00	75	50268	51.024	ug/l	74
93) 1,2,4-Trichlorobenzene	13.65	180	159798	47.445	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.78	225	71019	44.618	ug/l	97
95) Naphthalene	13.83	128	573300	48.471	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	162411	47.787	ug/l	99

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

