

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX032319\
 Data File : VX008372.D
 Acq On : 23 Mar 2019 23:59
 Operator : JC/SP
 Sample : K1937-14MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 30 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

MMDadoda
 3/25/2019 11:08:29 AM

Quant Time: Mar 25 09:17:18 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	5.66	168	194182	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	338716	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	304934	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	145598	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	146073	49.32	ug/l	0.00
Spiked Amount						
			Recovery	=	98.64%	
35) Dibromofluoromethane	5.49	113	108087	49.25	ug/l	0.00
Spiked Amount						
			Recovery	=	98.50%	
50) Toluene-d8	8.71	98	431849	49.75	ug/l	0.00
Spiked Amount						
			Recovery	=	99.50%	
62) 4-Bromofluorobenzene	11.13	95	159103	49.92	ug/l	0.00
Spiked Amount						
			Recovery	=	99.84%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	109600	49.858	ug/l	99
3) Chloromethane	1.32	50	159322	48.892	ug/l	99
4) Vinyl Chloride	1.40	62	159216	50.060	ug/l	100
5) Bromomethane	1.64	94	97692	48.777	ug/l	100
6) Chloroethane	1.71	64	93249	50.060	ug/l	99
7) Trichlorofluoromethane	1.92	101	178325	49.303	ug/l	98
8) Diethyl Ether	2.18	74	85925	49.615	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	2.38	101	104969	48.991	ug/l	89
10) Methyl Iodide	2.51	142	138823	51.070	ug/l	98
11) Tert butyl alcohol	3.06	59	172452	261.417	ug/l	99
12) 1,1-Dichloroethene	2.37	96	109257	49.400	ug/l	89
13) Acrolein	2.29	56	130900	232.210	ug/l	99
14) Allyl chloride	2.73	41	240167	49.086	ug/l	95
15) Acrylonitrile	3.14	53	429532	254.261	ug/l	99
16) Acetone	2.45	43	363734	245.706	ug/l	97
17) Carbon Disulfide	2.57	76	334909	47.356	ug/l	100
18) Methyl Acetate	2.77	43	168364	45.437	ug/l	97
19) Methyl tert-butyl Ether	3.20	73	400861	50.323	ug/l	97
20) Methylene Chloride	2.85	84	130235	48.869	ug/l	92
21) trans-1,2-Dichloroethene	3.16	96	115535	48.243	ug/l	90
22) Diisopropyl ether	3.85	45	482804	50.680	ug/l #	88
23) Vinyl Acetate	3.81	43	2005068	238.384	ug/l	96
24) 1,1-Dichloroethane	3.70	63	241386	49.698	ug/l	98
25) 2-Butanone	4.67	43	618981	253.933	ug/l	97
26) 2,2-Dichloropropane	4.58	77	130771	41.789	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	134398	48.998	ug/l	91
28) Bromochloromethane	5.01	49	122067	50.343	ug/l #	78
29) Tetrahydrofuran	5.13	42	406208	250.975	ug/l	96
30) Chloroform	5.21	83	219397	50.101	ug/l	98
31) Cyclohexane	5.58	56	231923	49.795	ug/l	93
32) 1,1,1-Trichloroethane	5.49	97	176244	50.870	ug/l	96
36) 1,1-Dichloropropene	5.80	75	170612	49.293	ug/l	96
37) Ethyl Acetate	4.83	43	219751	46.912	ug/l	98
38) Carbon Tetrachloride	5.78	117	145973	49.200	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	206943	48.779	ug/l	91
40) Benzene	6.14	78	523381	49.653	ug/l	99
41) Methacrylonitrile	5.04	41	133518	52.293	ug/l	96
42) 1,2-Dichloroethane	6.19	62	187651	49.056	ug/l	96
43) Isopropyl Acetate	6.45	43	357524	49.014	ug/l	97
44) Trichloroethene	7.21	130	116920	47.765	ug/l	85
45) 1,2-Dichloropropane	7.51	63	148705	49.833	ug/l	99
46) Dibromomethane	7.66	93	85690	48.388	ug/l #	85
47) Bromodichloromethane	7.90	83	169417	50.155	ug/l	97
48) Methyl methacrylate	7.77	41	189359	51.446	ug/l	94
49) 1,4-Dioxane	7.74	88	75660	1018.828	ug/l	92
51) 4-Methyl-2-Pentanone	8.64	43	1244517	260.038	ug/l	97
52) Toluene	8.79	92	311884	50.460	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	185374	51.043	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	205106	49.812	ug/l	92
55) 1,1,2-Trichloroethane	9.21	97	128563	50.076	ug/l	97
56) Ethyl methacrylate	9.18	69	237525	52.259	ug/l	91
57) 1,3-Dichloropropane	9.37	76	226846	49.598	ug/l	99
59) 2-Hexanone	9.49	43	985192	268.157	ug/l	96
60) Dibromochloromethane	9.58	129	122984	51.608	ug/l	98
61) 1,2-Dibromoethane	9.67	107	131361	50.415	ug/l	100
64) Tetrachloroethene	9.34	164	95037	47.659	ug/l	95
65) Chlorobenzene	10.13	112	317044	49.576	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	110990	50.046	ug/l	98
67) Ethyl Benzene	10.25	91	600963	50.186	ug/l	97
68) m/p-Xylenes	10.36	106	435050	101.115	ug/l	92
69) o-Xylene	10.69	106	212256	50.451	ug/l	93
70) Styrene	10.71	104	373448	51.184	ug/l	96
71) Bromoform	10.85	173	89557	52.421	ug/l #	100
73) Isopropylbenzene	11.02	105	561756	48.890	ug/l	98
74) N-amyl acetate	10.90	43	327613	48.699	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.27	83	224526	49.057	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	186010m	48.809	ug/l	
77) Bromobenzene	11.26	156	133362	49.052	ug/l	81
78) n-propylbenzene	11.36	91	664075	49.311	ug/l	95
79) 2-Chlorotoluene	11.42	91	399448	48.693	ug/l	93
80) 1,3,5-Trimethylbenzene	11.51	105	480774	49.186	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.07	75	65323	48.846	ug/l	91
82) 4-Chlorotoluene	11.51	91	461052	48.776	ug/l	94
83) tert-Butylbenzene	11.77	119	457644	49.167	ug/l	94
84) 1,2,4-Trimethylbenzene	11.80	105	485711	49.794	ug/l	97
85) sec-Butylbenzene	11.94	105	545411	48.891	ug/l	96
86) p-Isopropyltoluene	12.06	119	493887	50.229	ug/l	96
87) 1,3-Dichlorobenzene	12.02	146	239642	49.077	ug/l	97
88) 1,4-Dichlorobenzene	12.10	146	240683	48.442	ug/l	97
89) n-Butylbenzene	12.38	91	465753	49.617	ug/l	97
90) Hexachloroethane	12.60	117	80443	49.528	ug/l	80
91) 1,2-Dichlorobenzene	12.39	146	244669	49.474	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.00	75	50842	52.120	ug/l	76
93) 1,2,4-Trichlorobenzene	13.65	180	164369	49.288	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.78	225	76064	48.263	ug/l	99
95) Naphthalene	13.83	128	584021	49.869	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	165917	49.304	ug/l	99

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

