

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX040219\
 Data File : VX008602.D
 Acq On : 02 Apr 2019 19:48
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 4/3/2019 11:33:03 AM

Quant Time: Apr 03 04:36:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 26 07:57:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	180196	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	305406	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	277220	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	133079	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	135929	49.76	ug/l	0.00
Spiked Amount			Recovery	=	99.52%	
35) Dibromofluoromethane	5.49	113	101304	50.87	ug/l	0.00
Spiked Amount			Recovery	=	101.74%	
50) Toluene-d8	8.71	98	403881	50.72	ug/l	0.00
Spiked Amount			Recovery	=	101.44%	
62) 4-Bromofluorobenzene	11.13	95	151833	51.46	ug/l	0.00
Spiked Amount			Recovery	=	102.92%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	88046	41.452	ug/l	99
3) Chloromethane	1.32	50	126223	47.052	ug/l	99
4) Vinyl Chloride	1.40	62	125491	42.314	ug/l	100
5) Bromomethane	1.64	94	63540	41.153	ug/l	100
6) Chloroethane	1.71	64	76618	43.610	ug/l	99
7) Trichlorofluoromethane	1.92	101	147097	43.794	ug/l	99
8) Diethyl Ether	2.18	74	70270	44.207	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	96305	47.443	ug/l	99
10) Methyl Iodide	2.51	142	86188	44.163	ug/l	99
11) Tert butyl alcohol	3.06	59	163668	270.412	ug/l	99
12) 1,1-Dichloroethene	2.37	96	97284	46.406	ug/l	95
13) Acrolein	2.29	56	136759	311.147	ug/l	99
14) Allyl chloride	2.72	41	228926	49.567	ug/l	97
15) Acrylonitrile	3.14	53	410530	258.669	ug/l	100
16) Acetone	2.45	43	363231	254.400	ug/l	100
17) Carbon Disulfide	2.56	76	265486	44.094	ug/l	100
18) Methyl Acetate	2.78	43	186876	54.496	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	387840	51.339	ug/l	100
20) Methylene Chloride	2.85	84	120580	51.768	ug/l	98
21) trans-1,2-Dichloroethene	3.16	96	103679	49.631	ug/l	97
22) Diisopropyl ether	3.85	45	461522	50.749	ug/l	98
23) Vinyl Acetate	3.81	43	2045919	257.864	ug/l	100
24) 1,1-Dichloroethane	3.70	63	225931	49.210	ug/l	99
25) 2-Butanone	4.68	43	614958	268.656	ug/l	98
26) 2,2-Dichloropropane	4.58	77	156551	51.266	ug/l	98
27) cis-1,2-Dichloroethene	4.59	96	125755	49.056	ug/l	99
28) Bromochloromethane	5.01	49	114109	50.307	ug/l	99
29) Tetrahydrofuran	5.13	42	391127	259.260	ug/l	99
30) Chloroform	5.21	83	206351	49.802	ug/l	98
31) Cyclohexane	5.58	56	208820	47.689	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	165414	49.945	ug/l	99
36) 1,1-Dichloropropene	5.80	75	154363	47.404	ug/l	99
37) Ethyl Acetate	4.84	43	225785	53.523	ug/l	99
38) Carbon Tetrachloride	5.78	117	135532	49.874	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	190228	48.882	ug/l	99
40) Benzene	6.14	78	482580	49.503	ug/l	100
41) Methacrylonitrile	5.04	41	128316	54.126	ug/l	99
42) 1,2-Dichloroethane	6.19	62	174019	48.755	ug/l	100
43) Isopropyl Acetate	6.45	43	364283	53.988	ug/l	100
44) Trichloroethene	7.21	130	111021	48.503	ug/l	99
45) 1,2-Dichloropropane	7.51	63	141581	51.095	ug/l	98
46) Dibromomethane	7.66	93	80008	49.446	ug/l	98
47) Bromodichloromethane	7.90	83	161226	52.057	ug/l	100
48) Methyl methacrylate	7.77	41	186131	55.131	ug/l	97
49) 1,4-Dioxane	7.74	88	61701	919.130	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	1223947	279.278	ug/l	100
52) Toluene	8.78	92	293289	50.316	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	185909	54.803	ug/l	97
54) cis-1,3-Dichloropropene	8.43	75	204409	52.990	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	123215	51.929	ug/l	98
56) Ethyl methacrylate	9.18	69	232540	54.293	ug/l	99
57) 1,3-Dichloropropane	9.37	76	216768	50.954	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	615001	277.780	ug/l	100
59) 2-Hexanone	9.49	43	922678	271.708	ug/l	99
60) Dibromochloromethane	9.58	129	121048	53.643	ug/l	99
61) 1,2-Dibromoethane	9.67	107	123917	51.174	ug/l	99
64) Tetrachloroethene	9.34	164	93189	49.654	ug/l	99
65) Chlorobenzene	10.14	112	306243	50.798	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	109426	52.610	ug/l	99
67) Ethyl Benzene	10.25	91	571621	50.240	ug/l	100
68) m/p-Xylenes	10.36	106	415223	100.314	ug/l	98
69) o-Xylene	10.69	106	203738	50.721	ug/l	100
70) Styrene	10.71	104	359816	51.858	ug/l	100
71) Bromoform	10.86	173	89468	54.467	ug/l #	99
73) Isopropylbenzene	11.02	105	546056	50.436	ug/l	100
74) N-amyl acetate	10.90	43	329991	52.659	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	206140	49.073	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	173235m	43.787	ug/l	
77) Bromobenzene	11.26	156	129872	49.426	ug/l	98
78) n-propylbenzene	11.36	91	635499	50.108	ug/l	100
79) 2-Chlorotoluene	11.42	91	376850	48.852	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	454961	49.706	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	68942	55.812	ug/l	100
82) 4-Chlorotoluene	11.51	91	433573	48.726	ug/l	99
83) tert-Butylbenzene	11.77	119	439394	49.757	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	458240	49.497	ug/l	100
85) sec-Butylbenzene	11.94	105	530522	50.447	ug/l	99
86) p-Isopropyltoluene	12.06	119	475537	51.246	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	231788	49.371	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	228094	48.140	ug/l	100
89) n-Butylbenzene	12.38	91	446309	50.772	ug/l	99
90) Hexachloroethane	12.60	117	80701	52.202	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	231444	49.228	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	46435	50.697	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	161342	50.972	ug/l	100
94) Hexachlorobutadiene	13.78	225	78862	52.470	ug/l	100
95) Naphthalene	13.83	128	552893	50.948	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	161366	50.733	ug/l	100

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

