

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX010719\
 Data File : VX006945.D
 Acq On : 07 Jan 2019 19:28
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 1/8/2019 9:33:45 AM

Quant Time: Jan 08 07:34:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 19 15:20:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	504761	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	762086	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	685344	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	353634	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	276904	50.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.80%	
35) Dibromofluoromethane	5.51	113	253859	52.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.36%	
50) Toluene-d8	8.71	98	913225	50.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.52%	
62) 4-Bromofluorobenzene	11.13	95	329801	49.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.12%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	173514	37.576	ug/l	100
3) Chloromethane	1.32	50	232186	46.672	ug/l	99
4) Vinyl Chloride	1.41	62	219377	42.222	ug/l	98
5) Bromomethane	1.64	94	192371	39.263	ug/l	100
6) Chloroethane	1.71	64	148576	41.298	ug/l	99
7) Trichlorofluoromethane	1.92	101	369939	45.668	ug/l	96
8) Diethyl Ether	2.19	74	154199	47.925	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.38	101	223218	46.931	ug/l	99
10) Methyl Iodide	2.51	142	290288	42.637	ug/l	99
11) Tert butyl alcohol	3.08	59	313804	258.471	ug/l	99
12) 1,1-Dichloroethene	2.37	96	201919	44.773	ug/l	98
13) Acrolein	2.29	56	190338	232.395	ug/l	99
14) Allyl chloride	2.73	41	366678	48.303	ug/l	99
15) Acrylonitrile	3.15	53	721174	267.534	ug/l	100
16) Acetone	2.45	43	594320	237.790	ug/l	99
17) Carbon Disulfide	2.57	76	402254	33.704	ug/l	99
18) Methyl Acetate	2.78	43	455422	61.968	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	795458	53.142	ug/l	100
20) Methylene Chloride	2.85	84	335072	64.833	ug/l	97
21) trans-1,2-Dichloroethene	3.16	96	217707	43.568	ug/l	98
22) Diisopropyl ether	3.87	45	736352	53.022	ug/l	94
23) Vinyl Acetate	3.82	43	2959510	260.528	ug/l	99
24) 1,1-Dichloroethane	3.70	63	401045	48.375	ug/l	100
25) 2-Butanone	4.70	43	891725	253.645	ug/l	97
26) 2,2-Dichloropropane	4.59	77	283678	44.297	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	265222	48.106	ug/l	99
28) Bromochloromethane	5.01	49	189432	54.367	ug/l	97
29) Tetrahydrofuran	5.15	42	604181	260.927	ug/l	97
30) Chloroform	5.21	83	431148	50.221	ug/l	100
31) Cyclohexane	5.57	56	315447	41.883	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	361630	49.886	ug/l	99
36) 1,1-Dichloropropene	5.79	75	291400	46.167	ug/l	99
37) Ethyl Acetate	4.85	43	346070	52.679	ug/l	99
38) Carbon Tetrachloride	5.78	117	307377	50.110	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	346067	41.646	ug/l	98
40) Benzene	6.14	78	917457	47.819	ug/l	99
41) Methacrylonitrile	5.06	41	195885	56.162	ug/l	98
42) 1,2-Dichloroethane	6.20	62	323678	49.510	ug/l	99
43) Isopropyl Acetate	6.46	43	570238	57.048	ug/l	98
44) Trichloroethene	7.21	130	268765	46.283	ug/l	98
45) 1,2-Dichloropropane	7.52	63	241085	51.637	ug/l	99
46) Dibromomethane	7.66	93	169650	49.400	ug/l	98
47) Bromodichloromethane	7.90	83	301443	52.870	ug/l	99
48) Methyl methacrylate	7.77	41	288392	56.735	ug/l	97
49) 1,4-Dioxane	7.75	88	128688	966.942	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	1774180	278.960	ug/l	99
52) Toluene	8.79	92	598135	48.257	ug/l	97
53) t-1,3-Dichloropropene	9.04	75	337151	55.136	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	366365	54.604	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	268214	52.866	ug/l	96
56) Ethyl methacrylate	9.18	69	388107	54.124	ug/l	95
57) 1,3-Dichloropropane	9.37	76	419031	51.335	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	1027718	269.623	ug/l	100
59) 2-Hexanone	9.49	43	1323902	272.064	ug/l	99
60) Dibromochloromethane	9.59	129	271082	51.037	ug/l	98
61) 1,2-Dibromoethane	9.67	107	286936	53.203	ug/l	99
64) Tetrachloroethene	9.34	164	252758	46.575	ug/l	96
65) Chlorobenzene	10.14	112	716957	49.449	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	264179	58.399	ug/l	99
67) Ethyl Benzene	10.25	91	1167618	49.282	ug/l	99
68) m/p-Xylenes	10.36	106	922221	98.644	ug/l	99
69) o-Xylene	10.70	106	457225	49.527	ug/l	99
70) Styrene	10.71	104	738492	50.563	ug/l	99
71) Bromoform	10.86	173	199967	49.095	ug/l #	99
73) Isopropylbenzene	11.02	105	1199142	49.566	ug/l	99
74) N-amyl acetate	10.90	43	506686	58.511	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.27	83	399792	55.565	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	364054m	55.395	ug/l	
77) Bromobenzene	11.26	156	328307	50.195	ug/l	98
78) n-propylbenzene	11.36	91	1326461	49.790	ug/l	99
79) 2-Chlorotoluene	11.42	91	779857	48.304	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	995068	49.936	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	104122	48.367	ug/l	99
82) 4-Chlorotoluene	11.51	91	918349	49.589	ug/l	99
83) tert-Butylbenzene	11.77	119	1038581	52.076	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	1013186	48.340	ug/l	99
85) sec-Butylbenzene	11.94	105	1197277	48.964	ug/l	100
86) p-Isopropyltoluene	12.06	119	1078228	50.164	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	578497	49.076	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	588887	48.732	ug/l	100
89) n-Butylbenzene	12.39	91	907934	49.634	ug/l	98
90) Hexachloroethane	12.60	117	162502	48.418	ug/l	96
91) 1,2-Dichlorobenzene	12.39	146	582721	49.417	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	80521	54.087	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	410565	50.475	ug/l	100
94) Hexachlorobutadiene	13.78	225	178154	46.468	ug/l	99
95) Naphthalene	13.83	128	1279395	49.282	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	406998	48.462	ug/l	98

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

