

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060418\
 Data File : VX002294.D
 Acq On : 05 Jun 2018 07:11
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 6/5/2018 5:56:14 PM

Quant Time: Jun 05 08:01:36 2018
 Quant Method : Y:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 05 03:22:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	268017	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	391620	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	372807	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	238260	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	181599	47.19	ug/l	0.00
Spiked Amount						
			Recovery	=	94.38%	
35) Dibromofluoromethane	5.51	113	141275	45.87	ug/l	0.00
Spiked Amount						
			Recovery	=	91.74%	
50) Toluene-d8	8.72	98	543970	46.08	ug/l	0.00
Spiked Amount						
			Recovery	=	92.16%	
62) 4-Bromofluorobenzene	11.14	95	208403	45.78	ug/l	0.00
Spiked Amount						
			Recovery	=	91.56%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	148832	53.419	ug/l	100
3) Chloromethane	1.32	50	168952	53.102	ug/l	98
4) Vinyl Chloride	1.41	62	182198	51.888	ug/l	99
5) Bromomethane	1.64	94	112764	57.230	ug/l	99
6) Chloroethane	1.72	64	114018	50.197	ug/l	100
7) Trichlorofluoromethane	1.93	101	293176	54.799	ug/l	96
8) Diethyl Ether	2.19	74	104796	55.378	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.39	101	158665	54.956	ug/l	99
10) Methyl Iodide	2.51	142	218349	53.769	ug/l	100
11) Tert butyl alcohol	3.08	59	210824	269.980	ug/l	99
12) 1,1-Dichloroethene	2.37	96	146585	51.375	ug/l	99
13) Acrolein	2.30	56	100387	264.355	ug/l	98
14) Allyl chloride	2.73	41	285380	46.089	ug/l	99
15) Acrylonitrile	3.15	53	444541	273.436	ug/l	100
16) Acetone	2.45	43	417485	253.548	ug/l	100
17) Carbon Disulfide	2.57	76	367242	48.835	ug/l	99
18) Methyl Acetate	2.78	43	211241	55.302	ug/l	100
19) Methyl tert-butyl Ether	3.21	73	543085	54.893	ug/l	100
20) Methylene Chloride	2.86	84	166116	55.097	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	157141	49.943	ug/l	99
22) Diisopropyl ether	3.88	45	532400	51.512	ug/l	99
23) Vinyl Acetate	3.83	43	2276940	226.836	ug/l	99
24) 1,1-Dichloroethane	3.70	63	302276	49.393	ug/l	99
25) 2-Butanone	4.71	43	595301	226.531	ug/l	99
26) 2,2-Dichloropropane	4.59	77	150467	31.453	ug/l	97
27) cis-1,2-Dichloroethene	4.60	96	162521	47.495	ug/l	93
28) Bromochloromethane	5.03	49	137919	53.218	ug/l	97
29) Tetrahydrofuran	5.17	42	393356	232.163	ug/l	99
30) Chloroform	5.22	83	286736	48.555	ug/l	98
31) Cyclohexane	5.58	56	253096	52.300	ug/l	99
32) 1,1,1-Trichloroethane	5.50	97	252260	50.369	ug/l	100
36) 1,1-Dichloropropene	5.81	75	207066	50.295	ug/l	100
37) Ethyl Acetate	4.87	43	240160	48.506	ug/l	100
38) Carbon Tetrachloride	5.79	117	221311	51.383	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	250282	49.210	ug/l	98
40) Benzene	6.15	78	627802	49.733	ug/l	99
41) Methacrylonitrile	5.07	41	134085	47.307	ug/l	98
42) 1,2-Dichloroethane	6.20	62	244062	48.662	ug/l	100
43) Isopropyl Acetate	6.47	43	399586	47.515	ug/l	100
44) Trichloroethene	7.22	130	180318	51.468	ug/l	98
45) 1,2-Dichloropropane	7.52	63	167618	49.185	ug/l	99
46) Dibromomethane	7.67	93	110905	48.006	ug/l	99
47) Bromodichloromethane	7.90	83	206843	49.504	ug/l	98
48) Methyl methacrylate	7.78	41	206304	48.838	ug/l	99
49) 1,4-Dioxane	7.76	88	78512	994.029	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	1285481	245.457	ug/l	100
52) Toluene	8.79	92	408699	50.904	ug/l	100
53) t-1,3-Dichloropropene	8.44	75	239023	47.703	ug/l	97
54) cis-1,3-Dichloropropene	9.05	75	222561	47.080	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	164019	49.670	ug/l	98
56) Ethyl methacrylate	9.18	69	257930	48.924	ug/l	99
57) 1,3-Dichloropropane	9.38	76	271379	48.987	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	601949	246.692	ug/l	100
59) 2-Hexanone	9.50	43	980274	242.333	ug/l	99
60) Dibromochloromethane	9.59	129	171737	51.705	ug/l	99
61) 1,2-Dibromoethane	9.68	107	175432	50.952	ug/l	99
64) Tetrachloroethene	9.34	164	202906	52.773	ug/l	98
65) Chlorobenzene	10.14	112	466926	50.334	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	170574	50.782	ug/l	100
67) Ethyl Benzene	10.26	91	805487	51.885	ug/l	99
68) m/p-Xylenes	10.37	106	631843	104.701	ug/l	100
69) o-Xylene	10.70	106	309805	51.587	ug/l	99
70) Styrene	10.71	104	516841	52.644	ug/l	100
71) Bromoform	10.86	173	132090	44.331	ug/l	99
73) Isopropylbenzene	11.02	105	834950	50.376	ug/l	100
74) N-amyl acetate	6.47	43	399586	44.742	ug/l	# 100
75) 1,1,2,2-Tetrachloroethane	11.27	83	242178	46.457	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	241183m	46.132	ug/l	
77) Bromobenzene	11.26	156	227432	48.877	ug/l	98
78) n-propylbenzene	11.37	91	953739	51.771	ug/l	100
79) 2-Chlorotoluene	11.43	91	560839	48.214	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	714273	50.243	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	60145	40.327	ug/l	96
82) 4-Chlorotoluene	11.52	91	670421	49.932	ug/l	100
83) tert-Butylbenzene	11.77	119	692041	49.990	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	740465	50.599	ug/l	100
85) sec-Butylbenzene	11.95	105	858905	52.923	ug/l	100
86) p-Isopropyltoluene	12.07	119	768528	51.988	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	414973	49.877	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	416969	48.622	ug/l	99
89) n-Butylbenzene	12.39	91	655130	52.841	ug/l	100
90) Hexachloroethane	12.60	117	117878	49.953	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	420043	48.796	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.01	75	55974	49.102	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	300340	49.759	ug/l	99
94) Hexachlorobutadiene	13.79	225	158768	53.230	ug/l	98
95) Naphthalene	13.84	128	870867	50.216	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	313992	51.008	ug/l	99

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

