

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX032018\
 Data File : VX000372.D
 Acq On : 20 Mar 2018 20:35
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

sam
 3/21/2018 11:44:30 AM

Quant Time: Mar 21 05:19:25 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X032018W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 20 14:01:51 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.68	168	120086	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	194305	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	194199	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	115560	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.08	65	80628	51.44	ug/l	0.00
Spiked Amount						
			Recovery	=	102.88%	
35) Dibromofluoromethane	5.52	113	63252	51.66	ug/l	0.00
Spiked Amount						
			Recovery	=	103.32%	
50) Toluene-d8	8.73	98	247333	48.78	ug/l	0.00
Spiked Amount						
			Recovery	=	97.56%	
62) 4-Bromofluorobenzene	11.15	95	95442	45.21	ug/l	0.00
Spiked Amount						
			Recovery	=	90.42%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	62308	47.08	ug/l	96
3) Chloromethane	1.32	50	63690	45.68	ug/l	95
4) Vinyl Chloride	1.41	62	74335	50.46	ug/l	97
5) Bromomethane	1.64	94	102912	58.34	ug/l	94
6) Chloroethane	1.73	64	47628	54.02	ug/l	99
7) Trichlorofluoromethane	1.93	101	129221	48.60	ug/l	99
8) Diethyl Ether	2.20	74	46811	49.26	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.39	101	72289	48.75	ug/l	99
10) Methyl Iodide	2.52	142	62992	43.49	ug/l	99
11) Tert butyl alcohol	3.07	59	134752	249.91	ug/l	100
12) 1,1-Dichloroethene	2.38	96	64504	49.56	ug/l	99
13) Acrolein	2.30	56	39420	230.20	ug/l	99
14) Allyl chloride	2.73	41	118453	51.53	ug/l	99
15) Acrylonitrile	3.15	53	272692	249.70	ug/l	99
16) Acetone	2.45	43	304751	233.70	ug/l	97
17) Carbon Disulfide	2.57	76	171458	49.52	ug/l	98
18) Methyl Acetate	2.79	43	137296	50.22	ug/l	100
19) Methyl tert-butyl Ether	3.21	73	235476	48.92	ug/l	96
20) Methylene Chloride	2.87	84	72101	47.87	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	69051	47.56	ug/l	96
22) Diisopropyl ether	3.89	45	186053	45.73	ug/l	95
23) Vinyl Acetate	3.84	43	879231	227.94	ug/l	100
24) 1,1-Dichloroethane	3.70	63	126113	49.30	ug/l	99
25) 2-Butanone	4.72	43	355699	242.68	ug/l	98
26) 2,2-Dichloropropane	4.60	77	86180	48.06	ug/l	100
27) cis-1,2-Dichloroethene	4.61	96	64786	47.74	ug/l	99
28) Bromochloromethane	5.03	49	52546	49.81	ug/l	99
29) Tetrahydrofuran	5.18	42	227825	252.63	ug/l	99
30) Chloroform	5.23	83	123553	51.53	ug/l	97
31) Cyclohexane	5.59	56	95417	48.25	ug/l	98
32) 1,1,1-Trichloroethane	5.51	97	107897	49.89	ug/l	99
36) 1,1-Dichloropropene	5.81	75	88413	48.58	ug/l	98
37) Ethyl Acetate	4.87	43	122877	49.42	ug/l	99
38) Carbon Tetrachloride	5.79	117	94825	49.66	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.47	83	105479	47.65	ug/l	96
40) Benzene	6.15	78	262225	49.61	ug/l	99
41) Methacrylonitrile	5.07	41	63851	48.71	ug/l	98
42) 1,2-Dichloroethane	6.21	62	102802	49.57	ug/l	98
43) Isopropyl Acetate	6.48	43	189478	51.20	ug/l	99
44) Trichloroethene	7.22	130	73523	48.55	ug/l	97
45) 1,2-Dichloropropane	7.52	63	68152	50.37	ug/l	98
46) Dibromomethane	7.67	93	51026	48.05	ug/l	97
47) Bromodichloromethane	7.91	83	97581	52.23	ug/l	99
48) Methyl methacrylate	7.79	41	92685	51.59	ug/l	98
49) 1,4-Dioxane	7.77	88	37440	991.37	ug/l	96
51) 4-Methyl-2-Pentanone	8.66	43	722858	252.35	ug/l	99
52) Toluene	8.79	92	177045	47.91	ug/l	98
53) t-1,3-Dichloropropene	8.45	75	110772	51.16	ug/l	99
54) cis-1,3-Dichloropropene	9.05	75	109434	52.11	ug/l	98
55) 1,1,2-Trichloroethane	9.23	97	75492	49.68	ug/l	98
56) Ethyl methacrylate	9.19	69	115344	50.09	ug/l	99
57) 1,3-Dichloropropane	9.38	76	121387	49.94	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	284438	257.38	ug/l	99
59) 2-Hexanone	9.51	43	607009	249.56	ug/l	100
60) Dibromochloromethane	9.59	129	79453	44.66	ug/l	97
61) 1,2-Dibromoethane	9.68	107	81248	49.86	ug/l	99
64) Tetrachloroethene	9.34	164	72037	47.80	ug/l	96
65) Chlorobenzene	10.15	112	205684	47.59	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	73930	50.37	ug/l	98
67) Ethyl Benzene	10.26	91	360541	49.21	ug/l	100
68) m/p-Xylenes	10.37	106	282091	97.85	ug/l	99
69) o-Xylene	10.71	106	136726	48.98	ug/l	99
70) Styrene	10.72	104	231968	50.22	ug/l	99
71) Bromoform	10.87	173	63358	42.24	ug/l #	98
73) Isopropylbenzene	11.02	105	381739	49.86	ug/l	98
74) N-amyl acetate	6.48	43	189478	57.25	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.28	83	133958	49.46	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	120662m	48.59	ug/l	
77) Bromobenzene	11.26	156	95032	46.59	ug/l	99
78) n-propylbenzene	11.37	91	444940	48.74	ug/l	100
79) 2-Chlorotoluene	11.43	91	253481	48.06	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	324215	50.36	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.09	75	38316	49.95	ug/l	96
82) 4-Chlorotoluene	11.52	91	311879	49.53	ug/l	100
83) tert-Butylbenzene	11.78	119	318828	49.10	ug/l	99
84) 1,2,4-Trimethylbenzene	11.82	105	340657	50.47	ug/l	100
85) sec-Butylbenzene	11.96	105	402578	50.11	ug/l	99
86) p-Isopropyltoluene	12.07	119	360990	50.59	ug/l	100
87) 1,3-Dichlorobenzene	12.04	146	184750	47.90	ug/l	99
88) 1,4-Dichlorobenzene	12.11	146	192398	47.52	ug/l	98
89) n-Butylbenzene	12.40	91	331290	49.87	ug/l	99
90) Hexachloroethane	12.60	117	58737	52.30	ug/l	98
91) 1,2-Dichlorobenzene	12.40	146	187101	49.48	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	38386	50.82	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	126422	46.64	ug/l	99
94) Hexachlorobutadiene	13.79	225	53090	47.30	ug/l	99
95) Naphthalene	13.84	128	470533	49.83	ug/l	100
96) 1,2,3-Trichlorobenzene	14.03	180	125951	47.02	ug/l	99

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

