

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX032918\
 Data File : VX000531.D
 Acq On : 29 Mar 2018 23:38
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

sam
 3/30/2018 4:11:09 PM

Quant Time: Mar 30 08:00:51 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X032018W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 21 04:52:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	114105	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	191485	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	201477	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	134156	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	75076	50.40	ug/l	0.00
Spiked Amount			Recovery	=	100.80%	
35) Dibromofluoromethane	5.52	113	59281	49.13	ug/l	0.00
Spiked Amount			Recovery	=	98.26%	
50) Toluene-d8	8.73	98	232558	46.54	ug/l	0.00
Spiked Amount			Recovery	=	93.08%	
62) 4-Bromofluorobenzene	11.15	95	100102	47.72	ug/l	0.00
Spiked Amount			Recovery	=	95.44%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	52201	41.51	ug/l	95
3) Chloromethane	1.32	50	52441	39.58	ug/l	97
4) Vinyl Chloride	1.40	62	70027	50.02	ug/l	100
5) Bromomethane	1.64	94	106257	63.39	ug/l	99
6) Chloroethane	1.72	64	52774	61.51	ug/l	99
7) Trichlorofluoromethane	1.93	101	133345	52.78	ug/l	97
8) Diethyl Ether	2.19	74	47903	53.05	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.39	101	71947	51.07	ug/l	97
10) Methyl Iodide	2.51	142	62153	44.99	ug/l	99
11) Tert butyl alcohol	3.09	59	148149	289.16	ug/l	100
12) 1,1-Dichloroethene	2.37	96	65050	52.60	ug/l	94
13) Acrolein	2.30	56	36624	225.41	ug/l	97
14) Allyl chloride	2.73	41	122980	56.31	ug/l	99
15) Acrylonitrile	3.16	53	297556	286.75	ug/l	100
16) Acetone	2.45	43	282134	227.70	ug/l	99
17) Carbon Disulfide	2.57	76	157610	47.91	ug/l	99
18) Methyl Acetate	2.79	43	155285	59.78	ug/l	98
19) Methyl tert-butyl Ether	3.21	73	250352	54.73	ug/l	99
20) Methylene Chloride	2.86	84	75334	52.64	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	75233	54.53	ug/l	93
22) Diisopropyl ether	3.89	45	175661	45.43	ug/l	96
23) Vinyl Acetate	3.84	43	810771	221.21	ug/l	100
24) 1,1-Dichloroethane	3.70	63	106646	43.87	ug/l	100
25) 2-Butanone	4.72	43	330646	237.41	ug/l	98
26) 2,2-Dichloropropane	4.59	77	73360	43.06	ug/l	98
27) cis-1,2-Dichloroethene	4.61	96	63915	49.57	ug/l	95
28) Bromochloromethane	5.03	49	48590	48.47	ug/l	95
29) Tetrahydrofuran	5.18	42	220053	256.80	ug/l	99
30) Chloroform	5.23	83	118577	52.05	ug/l	96
31) Cyclohexane	5.59	56	86624	46.10	ug/l	97
32) 1,1,1-Trichloroethane	5.50	97	103830	50.52	ug/l	98
36) 1,1-Dichloropropene	5.81	75	84236	46.96	ug/l	99
37) Ethyl Acetate	4.88	43	117193	47.83	ug/l	99
38) Carbon Tetrachloride	5.79	117	89987	47.82	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.47	83	98733	45.26	ug/l	98
40) Benzene	6.15	78	255085	48.97	ug/l	99
41) Methacrylonitrile	5.07	41	60749	47.03	ug/l	97
42) 1,2-Dichloroethane	6.21	62	102033	49.93	ug/l	100
43) Isopropyl Acetate	6.48	43	179524	49.22	ug/l	98
44) Trichloroethene	7.22	130	72526	48.60	ug/l	95
45) 1,2-Dichloropropane	7.52	63	66801	50.10	ug/l	99
46) Dibromomethane	7.67	93	51498	49.21	ug/l	97
47) Bromodichloromethane	7.91	83	94443	51.29	ug/l	99
48) Methyl methacrylate	7.79	41	89416	50.50	ug/l	99
49) 1,4-Dioxane	7.77	88	40628	1091.63	ug/l	99
51) 4-Methyl-2-Pentanone	8.66	43	724365	256.60	ug/l	99
52) Toluene	8.79	92	178396	48.99	ug/l	98
53) t-1,3-Dichloropropene	8.45	75	106866	50.09	ug/l	98
54) cis-1,3-Dichloropropene	9.05	75	107181	51.79	ug/l	96
55) 1,1,2-Trichloroethane	9.23	97	76332	50.97	ug/l	98
56) Ethyl methacrylate	9.19	69	115952	51.10	ug/l	99
57) 1,3-Dichloropropane	9.38	76	123610	51.61	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.32	63	200211	183.84	ug/l	97
59) 2-Hexanone	9.51	43	615829	256.91	ug/l	100
60) Dibromochloromethane	9.59	129	82421	46.80	ug/l	98
61) 1,2-Dibromoethane	9.68	107	83788	52.18	ug/l	99
64) Tetrachloroethene	9.34	164	73097	46.75	ug/l	97
65) Chlorobenzene	10.15	112	216354	48.25	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	76626	50.32	ug/l	99
67) Ethyl Benzene	10.26	91	368791	48.52	ug/l	96
68) m/p-Xylenes	10.37	106	299682	100.20	ug/l	98
69) o-Xylene	10.71	106	141822	48.97	ug/l	97
70) Styrene	10.72	104	253390	52.88	ug/l	98
71) Bromoform	10.87	173	67628	43.32	ug/l #	96
73) Isopropylbenzene	11.02	105	403703	45.42	ug/l	98
74) N-amyl acetate	6.48	43	179524	46.08	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	148417	47.21	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	130874m	45.39	ug/l	
77) Bromobenzene	11.26	156	101864	43.02	ug/l	98
78) n-propylbenzene	11.37	91	478462	45.14	ug/l	100
79) 2-Chlorotoluene	11.43	91	275112	44.93	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	355500	47.57	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.09	75	39603	44.47	ug/l	98
82) 4-Chlorotoluene	11.52	91	344005	47.05	ug/l	98
83) tert-Butylbenzene	11.78	119	346368	45.95	ug/l	99
84) 1,2,4-Trimethylbenzene	11.82	105	371843	47.45	ug/l	99
85) sec-Butylbenzene	11.96	105	444072	47.61	ug/l	99
86) p-Isopropyltoluene	12.07	119	394912	47.68	ug/l	100
87) 1,3-Dichlorobenzene	12.04	146	207826	46.42	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	218208	46.42	ug/l	97
89) n-Butylbenzene	12.40	91	370517	48.04	ug/l	99
90) Hexachloroethane	12.60	117	61272	47.00	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	213346	48.60	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.01	75	40994	46.75	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	144001	45.76	ug/l	99
94) Hexachlorobutadiene	13.79	225	59254	45.48	ug/l	98
95) Naphthalene	13.84	128	537153	49.00	ug/l	100
96) 1,2,3-Trichlorobenzene	14.03	180	148091	47.63	ug/l	99

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

