

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX052218\
 Data File : VX001912.D
 Acq On : 22 May 2018 23:38
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 5/24/2018 11:47:46 AM

Quant Time: May 23 03:11:48 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X051518W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 15 01:36:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	248879	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	330247	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	282222	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	190171	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	174871	52.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.84%	
35) Dibromofluoromethane	5.51	113	150922	54.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.30%	
50) Toluene-d8	8.72	98	542960	54.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.80%	
62) 4-Bromofluorobenzene	11.14	95	180591	50.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	109452	43.82	ug/l	99
3) Chloromethane	1.32	50	135757	50.32	ug/l	98
4) Vinyl Chloride	1.40	62	139582	47.85	ug/l	98
5) Bromomethane	1.64	94	57098	46.28	ug/l	99
6) Chloroethane	1.72	64	93032	50.64	ug/l	99
7) Trichlorofluoromethane	1.93	101	207849	49.04	ug/l	99
8) Diethyl Ether	2.19	74	90111	51.65	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	121960	47.80	ug/l	99
10) Methyl Iodide	2.51	142	149233	63.57	ug/l	99
11) Tert butyl alcohol	3.09	59	182790	308.63	ug/l	99
12) 1,1-Dichloroethene	2.37	96	116178	47.23	ug/l	98
13) Acrolein	2.30	56	59087	140.67	ug/l	99
14) Allyl chloride	2.73	41	238421	52.44	ug/l	98
15) Acrylonitrile	3.15	53	431998	290.41	ug/l	99
16) Acetone	2.45	43	378062	288.54	ug/l	97
17) Carbon Disulfide	2.57	76	252582	39.36	ug/l	99
18) Methyl Acetate	2.78	43	252371	65.89	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	445501	53.73	ug/l	100
20) Methylene Chloride	2.86	84	141142	50.33	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	125404	46.28	ug/l	97
22) Diisopropyl ether	3.88	45	493753	56.61	ug/l	99
23) Vinyl Acetate	3.83	43	1667973	265.41	ug/l	99
24) 1,1-Dichloroethane	3.70	63	252443	52.77	ug/l	100
25) 2-Butanone	4.72	43	637260	317.68	ug/l	100
26) 2,2-Dichloropropane	4.59	77	146238	37.97	ug/l	97
27) cis-1,2-Dichloroethene	4.60	96	160951	52.20	ug/l	99
28) Bromochloromethane	5.03	49	134745	63.41	ug/l	99
29) Tetrahydrofuran	5.18	42	412747	315.66	ug/l	98
30) Chloroform	5.22	83	276817	55.09	ug/l	100
31) Cyclohexane	5.58	56	207075	49.38	ug/l	98
32) 1,1,1-Trichloroethane	5.50	97	234523	54.01	ug/l	99
36) 1,1-Dichloropropene	5.80	75	187391	49.29	ug/l	100
37) Ethyl Acetate	4.87	43	237371	59.91	ug/l	99
38) Carbon Tetrachloride	5.79	117	208634	52.39	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	210048	47.29	ug/l	98
40) Benzene	6.15	78	592174	52.87	ug/l	99
41) Methacrylonitrile	5.07	41	137659	60.08	ug/l	97
42) 1,2-Dichloroethane	6.20	62	220338	54.39	ug/l	100
43) Isopropyl Acetate	6.48	43	364459	58.78	ug/l	99
44) Trichloroethene	7.22	130	175473	50.47	ug/l	98
45) 1,2-Dichloropropane	7.52	63	155773	56.68	ug/l	99
46) Dibromomethane	7.67	93	104814	54.31	ug/l	100
47) Bromodichloromethane	7.90	83	207370	57.90	ug/l	98
48) Methyl methacrylate	7.79	41	199713	61.19	ug/l	99
49) 1,4-Dioxane	7.76	88	84440	1343.65	ug/l	99
51) 4-Methyl-2-Pentanone	8.66	43	1272995	323.94	ug/l	99
52) Toluene	8.79	92	382272	53.11	ug/l	100
53) t-1,3-Dichloropropene	8.44	75	229583	54.48	ug/l	100
54) cis-1,3-Dichloropropene	9.05	75	203894	54.89	ug/l	98
55) 1,1,2-Trichloroethane	9.22	97	148916	54.13	ug/l	98
56) Ethyl methacrylate	9.19	69	225247	57.73	ug/l	99
57) 1,3-Dichloropropane	9.38	76	239489	51.99	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	602175	300.05	ug/l	100
59) 2-Hexanone	9.51	43	859413	305.51	ug/l	99
60) Dibromochloromethane	9.59	129	157274	55.83	ug/l	99
61) 1,2-Dibromoethane	9.68	107	153753	53.38	ug/l	99
64) Tetrachloroethene	9.34	164	180137	49.03	ug/l	99
65) Chlorobenzene	10.15	112	395598	50.96	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	152741	55.71	ug/l	99
67) Ethyl Benzene	10.26	91	644508	51.95	ug/l	100
68) m/p-Xylenes	10.37	106	510959	104.38	ug/l	99
69) o-Xylene	10.71	106	250875	53.52	ug/l	99
70) Styrene	10.72	104	420943	54.45	ug/l	100
71) Bromoform	10.87	173	132961	51.98	ug/l	100
73) Isopropylbenzene	11.02	105	675831	53.96	ug/l	100
74) N-amyl acetate	6.48	43	364459	60.70	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	216731	57.69	ug/l	98
76) 1,2,3-Trichloropropane	11.30	75	207257m	57.31	ug/l	
77) Bromobenzene	11.26	156	194343	52.81	ug/l	100
78) n-propylbenzene	11.37	91	747891	53.01	ug/l	99
79) 2-Chlorotoluene	11.43	91	447442	53.02	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	557358	54.25	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	53386	44.39	ug/l	95
82) 4-Chlorotoluene	11.52	91	522801	52.59	ug/l	99
83) tert-Butylbenzene	11.77	119	557000	54.48	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	581012	54.61	ug/l	100
85) sec-Butylbenzene	11.95	105	679984	53.88	ug/l	100
86) p-Isopropyltoluene	12.07	119	624854	53.50	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	349013	51.28	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	352242	50.05	ug/l	99
89) n-Butylbenzene	12.40	91	507190	50.21	ug/l	100
90) Hexachloroethane	12.60	117	104427	57.57	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	354614	52.30	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.01	75	49851	62.17	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	270338	50.01	ug/l	100
94) Hexachlorobutadiene	13.79	225	144077	49.65	ug/l	99
95) Naphthalene	13.84	128	799440	56.90	ug/l	100
96) 1,2,3-Trichlorobenzene	14.03	180	283435	52.08	ug/l	100

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

