

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX053018\
 Data File : VX002142.D
 Acq On : 30 May 2018 16:18
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 5/31/2018 3:07:46 PM

Quant Time: May 31 03:58:30 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X052418W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 24 13:09:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	254722	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	348570	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	325962	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	226338	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	186444	40.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.90%	
35) Dibromofluoromethane	5.51	113	142082	40.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.52%	
50) Toluene-d8	8.72	98	525277	41.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.24%	
62) 4-Bromofluorobenzene	11.14	95	215390	43.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	131021	40.72	ug/l	99
3) Chloromethane	1.32	50	169620	43.28	ug/l	100
4) Vinyl Chloride	1.40	62	170084	44.95	ug/l	99
5) Bromomethane	1.64	94	95659	55.01	ug/l	98
6) Chloroethane	1.72	64	109927	49.28	ug/l	99
7) Trichlorofluoromethane	1.93	101	284686	50.10	ug/l	100
8) Diethyl Ether	2.19	74	108166	52.46	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.39	101	163918	51.69	ug/l	97
10) Methyl Iodide	2.51	142	192683	44.91	ug/l	98
11) Tert butyl alcohol	3.07	59	226437	253.36	ug/l	98
12) 1,1-Dichloroethene	2.37	96	143996	48.50	ug/l	97
13) Acrolein	2.29	56	72464	187.52	ug/l	98
14) Allyl chloride	2.73	41	311014	49.90	ug/l	97
15) Acrylonitrile	3.15	53	479418	260.85	ug/l	99
16) Acetone	2.45	43	448983	255.51	ug/l	100
17) Carbon Disulfide	2.57	76	377312	44.16	ug/l	99
18) Methyl Acetate	2.78	43	237759	56.31	ug/l	100
19) Methyl tert-butyl Ether	3.21	73	581305	52.06	ug/l	98
20) Methylene Chloride	2.86	84	169511	55.91	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	157014	54.46	ug/l	98
22) Diisopropyl ether	3.87	45	576794	45.50	ug/l	97
23) Vinyl Acetate	3.82	43	2670161	254.05	ug/l	98
24) 1,1-Dichloroethane	3.70	63	311569	51.74	ug/l	99
25) 2-Butanone	4.71	43	676191	209.96	ug/l	99
26) 2,2-Dichloropropane	4.59	77	236383	38.78	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	168669	43.57	ug/l	96
28) Bromochloromethane	5.02	49	151021	60.10	ug/l	99
29) Tetrahydrofuran	5.17	42	442680	211.26	ug/l	99
30) Chloroform	5.22	83	296028	43.63	ug/l	98
31) Cyclohexane	5.57	56	270148	43.06	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	263446	41.65	ug/l	99
36) 1,1-Dichloropropene	5.80	75	217716	44.90	ug/l	99
37) Ethyl Acetate	4.87	43	271890	43.01	ug/l	99
38) Carbon Tetrachloride	5.78	117	235375	41.63	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	280455	47.08	ug/l	97
40) Benzene	6.15	78	651294	45.85	ug/l	99
41) Methacrylonitrile	5.07	41	154035	46.07	ug/l	99
42) 1,2-Dichloroethane	6.20	62	259078	45.66	ug/l	99
43) Isopropyl Acetate	6.47	43	467749	44.41	ug/l	99
44) Trichloroethene	7.21	130	188858	45.63	ug/l	99
45) 1,2-Dichloropropane	7.52	63	173815	45.06	ug/l	99
46) Dibromomethane	7.67	93	118554	46.42	ug/l	99
47) Bromodichloromethane	7.90	83	227167	41.72	ug/l	99
48) Methyl methacrylate	7.78	41	238785	44.55	ug/l	99
49) 1,4-Dioxane	7.76	88	84773	897.44	ug/l	100
51) 4-Methyl-2-Pentanone	8.65	43	1468870	231.36	ug/l	100
52) Toluene	8.79	92	424436	46.95	ug/l	100
53) t-1,3-Dichloropropene	8.44	75	275289	43.89	ug/l	100
54) cis-1,3-Dichloropropene	9.04	75	267121	43.71	ug/l	98
55) 1,1,2-Trichloroethane	9.22	97	174175	46.12	ug/l	99
56) Ethyl methacrylate	9.18	69	290747	44.76	ug/l	99
57) 1,3-Dichloropropane	9.38	76	292693	47.05	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	655506	227.69	ug/l	100
59) 2-Hexanone	9.50	43	1129590	230.74	ug/l	99
60) Dibromochloromethane	9.59	129	191780	42.88	ug/l	99
61) 1,2-Dibromoethane	9.68	107	186122	46.97	ug/l	100
64) Tetrachloroethene	9.34	164	216590	46.34	ug/l	98
65) Chlorobenzene	10.14	112	480946	46.57	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	180903	43.38	ug/l	99
67) Ethyl Benzene	10.26	91	841039	46.87	ug/l	100
68) m/p-Xylenes	10.37	106	654435	95.41	ug/l	100
69) o-Xylene	10.70	106	318666	46.53	ug/l	100
70) Styrene	10.72	104	534304	47.04	ug/l	99
71) Bromoform	10.86	173	154605	39.10	ug/l #	100
73) Isopropylbenzene	11.02	105	874310	45.62	ug/l	99
74) N-amyl acetate	6.47	43	467749	46.84	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	257035	49.01	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	235132m	43.25	ug/l	
77) Bromobenzene	11.26	156	231655	45.56	ug/l	97
78) n-propylbenzene	11.37	91	1002131	46.68	ug/l	100
79) 2-Chlorotoluene	11.43	91	591164	50.21	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	747720	45.65	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	84606	37.40	ug/l	92
82) 4-Chlorotoluene	11.51	91	696491	46.00	ug/l	100
83) tert-Butylbenzene	11.77	119	717336	44.63	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	767310	45.33	ug/l	99
85) sec-Butylbenzene	11.95	105	903071	46.74	ug/l	99
86) p-Isopropyltoluene	12.07	119	816099	47.20	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	423142	46.46	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	430133	47.24	ug/l	100
89) n-Butylbenzene	12.39	91	717969	49.01	ug/l	100
90) Hexachloroethane	12.60	117	130706	38.33	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	432443	46.60	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.01	75	64766	38.01	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	317034	47.78	ug/l	99
94) Hexachlorobutadiene	13.79	225	171248	47.98	ug/l	99
95) Naphthalene	13.84	128	920755	45.04	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	322777	47.01	ug/l	100

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

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