

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX051818\
 Data File : VX001821.D
 Acq On : 18 May 2018 12:30
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 5/21/2018 2:40:36 PM

Quant Time: May 19 03:26:34 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	313672	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	391260	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	311289	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	206612	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	179087	42.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.18%	
35) Dibromofluoromethane	5.51	113	162350	49.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.34%	
50) Toluene-d8	8.72	98	611925	51.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.50%	
62) 4-Bromofluorobenzene	11.14	95	188469	44.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	140210	44.54	ug/l	100
3) Chloromethane	1.32	50	160995	47.35	ug/l	99
4) Vinyl Chloride	1.40	62	167880	45.67	ug/l	100
5) Bromomethane	1.64	94	63596	40.50	ug/l	96
6) Chloroethane	1.71	64	106556	46.02	ug/l	98
7) Trichlorofluoromethane	1.93	101	241413	45.19	ug/l	99
8) Diethyl Ether	2.19	74	100529	45.72	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	154819	48.14	ug/l	98
10) Methyl Iodide	2.51	142	184474	62.35	ug/l	98
11) Tert butyl alcohol	3.08	59	183671	246.06	ug/l	99
12) 1,1-Dichloroethene	2.37	96	139018	44.84	ug/l	98
13) Acrolein	2.29	56	105940	200.11	ug/l	99
14) Allyl chloride	2.73	41	270108	47.13	ug/l	97
15) Acrylonitrile	3.15	53	441232	235.34	ug/l	100
16) Acetone	2.45	43	400118	242.30	ug/l	99
17) Carbon Disulfide	2.57	76	328420	40.61	ug/l	99
18) Methyl Acetate	2.78	43	243590	50.46	ug/l	100
19) Methyl tert-butyl Ether	3.21	73	481382	46.07	ug/l	99
20) Methylene Chloride	2.85	84	159021	44.99	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	147977	43.33	ug/l	99
22) Diisopropyl ether	3.87	45	516465	46.98	ug/l	97
23) Vinyl Acetate	3.83	43	1735866	219.16	ug/l	100
24) 1,1-Dichloroethane	3.70	63	280962	46.60	ug/l	99
25) 2-Butanone	4.71	43	636697	251.83	ug/l	96
26) 2,2-Dichloropropane	4.59	77	226279	46.62	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	181698	46.75	ug/l	98
28) Bromochloromethane	5.02	49	139821	52.21	ug/l	99
29) Tetrahydrofuran	5.17	42	399805	242.60	ug/l	99
30) Chloroform	5.22	83	295427	46.65	ug/l	100
31) Cyclohexane	5.57	56	259313	49.07	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	257449	47.04	ug/l	100
36) 1,1-Dichloropropene	5.80	75	218905	48.60	ug/l	99
37) Ethyl Acetate	4.87	43	234166	49.89	ug/l	99
38) Carbon Tetrachloride	5.78	117	232096	49.19	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	281844	53.56	ug/l	99
40) Benzene	6.15	78	672504	50.68	ug/l	100
41) Methacrylonitrile	5.07	41	135823	50.04	ug/l	99
42) 1,2-Dichloroethane	6.20	62	223080	46.48	ug/l	98
43) Isopropyl Acetate	6.48	43	363178	49.44	ug/l	99
44) Trichloroethene	7.21	130	202564	49.18	ug/l	98
45) 1,2-Dichloropropane	7.52	63	166821	51.23	ug/l	99
46) Dibromomethane	7.66	93	111210	48.64	ug/l	97
47) Bromodichloromethane	7.90	83	215914	50.89	ug/l	96
48) Methyl methacrylate	7.78	41	197038	50.95	ug/l	97
49) 1,4-Dioxane	7.76	88	87815	1179.46	ug/l	96
51) 4-Methyl-2-Pentanone	8.66	43	1230520	264.31	ug/l	99
52) Toluene	8.79	92	441076	51.73	ug/l	100
53) t-1,3-Dichloropropene	8.44	75	262680	52.62	ug/l	99
54) cis-1,3-Dichloropropene	9.05	75	230879	52.47	ug/l	98
55) 1,1,2-Trichloroethane	9.22	97	175485	53.84	ug/l	98
56) Ethyl methacrylate	9.19	69	252188	54.56	ug/l	98
57) 1,3-Dichloropropane	9.38	76	252876	46.34	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	646350	271.84	ug/l	99
59) 2-Hexanone	9.51	43	798763	239.67	ug/l	99
60) Dibromochloromethane	9.59	129	160588	48.11	ug/l	100
61) 1,2-Dibromoethane	9.68	107	155491	45.57	ug/l	99
64) Tetrachloroethene	9.34	164	226546	55.91	ug/l	98
65) Chlorobenzene	10.15	112	421838	49.27	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	158913	52.55	ug/l	98
67) Ethyl Benzene	10.26	91	701815	51.29	ug/l	100
68) m/p-Xylenes	10.37	106	558689	103.48	ug/l	100
69) o-Xylene	10.71	106	272124	52.63	ug/l	99
70) Styrene	10.72	104	448070	52.54	ug/l	100
71) Bromoform	10.86	173	132900	47.38	ug/l	99
73) Isopropylbenzene	11.02	105	731225	53.74	ug/l	100
74) N-amyl acetate	6.48	43	363178	55.67	ug/l #	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	205167	50.27	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	226302m	57.60	ug/l	
77) Bromobenzene	11.26	156	203876	50.99	ug/l	100
78) n-propylbenzene	11.37	91	818290	53.38	ug/l	99
79) 2-Chlorotoluene	11.43	91	481042	52.47	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	614020	55.01	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	60222	45.96	ug/l	98
82) 4-Chlorotoluene	11.52	91	556905	51.56	ug/l	100
83) tert-Butylbenzene	11.77	119	603338	54.31	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	634539	54.89	ug/l	100
85) sec-Butylbenzene	11.95	105	749112	54.63	ug/l	100
86) p-Isopropyltoluene	12.07	119	694892	54.77	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	374157	50.60	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	375079	49.06	ug/l	100
89) n-Butylbenzene	12.40	91	565963	51.57	ug/l	100
90) Hexachloroethane	12.60	117	109721	55.68	ug/l	98
91) 1,2-Dichlorobenzene	12.40	146	376226	51.07	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	45893	52.68	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	295098	50.25	ug/l	100
94) Hexachlorobutadiene	13.79	225	166251	52.73	ug/l	100
95) Naphthalene	13.84	128	801807	52.53	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	302021	51.07	ug/l	99

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

