

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX041618\
 Data File : VX000938.D
 Acq On : 16 Apr 2018 23:29
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 4/18/2018 2:45:10 PM

Quant Time: Apr 17 07:10:24 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X041018W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 10 15:49:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	237614	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	324140	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	312613	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	214969	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.08	65	152675	50.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.92%	
35) Dibromofluoromethane	5.51	113	127273	50.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.92%	
50) Toluene-d8	8.72	98	472996	50.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.74%	
62) 4-Bromofluorobenzene	11.14	95	195340	50.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	129596	48.32	ug/l	100
3) Chloromethane	1.32	50	116828	50.80	ug/l	99
4) Vinyl Chloride	1.40	62	131193	50.72	ug/l	99
5) Bromomethane	1.64	94	64964	60.98	ug/l	98
6) Chloroethane	1.72	64	80318	51.23	ug/l	100
7) Trichlorofluoromethane	1.93	101	201877	51.73	ug/l	98
8) Diethyl Ether	2.19	74	76688	52.60	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	119577	51.96	ug/l	99
10) Methyl Iodide	2.51	142	92232	51.25	ug/l	99
11) Tert butyl alcohol	3.08	59	123302	231.80	ug/l	100
12) 1,1-Dichloroethene	2.38	96	110724	50.77	ug/l	99
13) Acrolein	2.30	56	65143	252.18	ug/l	99
14) Allyl chloride	2.73	41	203595	50.49	ug/l	99
15) Acrylonitrile	3.15	53	313952	276.84	ug/l	100
16) Acetone	2.45	43	254384	246.21	ug/l	100
17) Carbon Disulfide	2.57	76	271017	41.04	ug/l	99
18) Methyl Acetate	2.78	43	161913	60.56	ug/l	100
19) Methyl tert-butyl Ether	3.21	73	393366	54.15	ug/l	98
20) Methylene Chloride	2.86	84	123315	51.32	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	120589	50.14	ug/l	97
22) Diisopropyl ether	3.88	45	418599	56.48	ug/l	99
23) Vinyl Acetate	3.83	43	1753564	269.50	ug/l	99
24) 1,1-Dichloroethane	3.70	63	225674	54.27	ug/l	99
25) 2-Butanone	4.71	43	449189	263.27	ug/l	99
26) 2,2-Dichloropropane	4.59	77	174490	42.27	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	143884	52.72	ug/l	98
28) Bromochloromethane	5.03	49	85060	50.80	ug/l	98
29) Tetrahydrofuran	5.17	42	289269	267.02	ug/l	99
30) Chloroform	5.22	83	237205	53.88	ug/l	99
31) Cyclohexane	5.59	56	194955	49.37	ug/l	96
32) 1,1,1-Trichloroethane	5.51	97	214752	51.20	ug/l	100
36) 1,1-Dichloropropene	5.81	75	178064	49.88	ug/l	98
37) Ethyl Acetate	4.87	43	179378	51.47	ug/l	99
38) Carbon Tetrachloride	5.79	117	187588	46.95	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.47	83	199730	46.59	ug/l	99
40) Benzene	6.15	78	516545	52.08	ug/l	100
41) Methacrylonitrile	5.07	41	106427	52.86	ug/l	100
42) 1,2-Dichloroethane	6.21	62	194997	52.64	ug/l	99
43) Isopropyl Acetate	6.48	43	306161	51.24	ug/l	100
44) Trichloroethene	7.22	130	157422	51.03	ug/l	97
45) 1,2-Dichloropropane	7.53	63	134824	53.38	ug/l	98
46) Dibromomethane	7.67	93	91274	51.83	ug/l	100
47) Bromodichloromethane	7.91	83	177249	49.87	ug/l	100
48) Methyl methacrylate	7.79	41	162376	52.43	ug/l	99
49) 1,4-Dioxane	7.76	88	52340	840.97	ug/l	97
51) 4-Methyl-2-Pentanone	8.66	43	948671	270.30	ug/l	99
52) Toluene	8.79	92	339861	51.65	ug/l	100
53) t-1,3-Dichloropropene	8.45	75	211452	49.60	ug/l	99
54) cis-1,3-Dichloropropene	9.05	75	201761	48.60	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	138099	52.86	ug/l	100
56) Ethyl methacrylate	9.19	69	210573	52.25	ug/l	100
57) 1,3-Dichloropropane	9.38	76	225267	54.24	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	506814	269.17	ug/l	99
59) 2-Hexanone	9.51	43	710094	262.08	ug/l	100
60) Dibromochloromethane	9.59	129	153265	49.03	ug/l	99
61) 1,2-Dibromoethane	9.68	107	146724	52.94	ug/l	99
64) Tetrachloroethene	9.34	164	161678	52.89	ug/l	98
65) Chlorobenzene	10.15	112	405620	51.58	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	148553	50.19	ug/l	100
67) Ethyl Benzene	10.26	91	669263	51.04	ug/l	100
68) m/p-Xylenes	10.37	106	530824	102.57	ug/l	100
69) o-Xylene	10.71	106	258289	51.78	ug/l	99
70) Styrene	10.72	104	437992	52.09	ug/l	100
71) Bromoform	10.87	173	125884	45.93	ug/l	100
73) Isopropylbenzene	11.02	105	696477	51.07	ug/l	100
74) N-amyl acetate	6.48	43	306161	49.85	ug/l	# 100
75) 1,1,2,2-Tetrachloroethane	11.27	83	205419	51.90	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	190270m	51.32	ug/l	
77) Bromobenzene	11.26	156	203453	50.91	ug/l	100
78) n-propylbenzene	11.37	91	787428	50.48	ug/l	100
79) 2-Chlorotoluene	11.43	91	468441	50.81	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	591747	50.45	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	56110	41.63	ug/l	93
82) 4-Chlorotoluene	11.52	91	560770	50.39	ug/l	100
83) tert-Butylbenzene	11.77	119	601593	50.14	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	606644	50.10	ug/l	100
85) sec-Butylbenzene	11.95	105	698598	49.35	ug/l	100
86) p-Isopropyltoluene	12.07	119	650607	49.29	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	376367	50.88	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	384098	50.66	ug/l	99
89) n-Butylbenzene	12.40	91	560685	48.12	ug/l	100
90) Hexachloroethane	12.60	117	97394	43.60	ug/l	100
91) 1,2-Dichlorobenzene	12.40	146	369968	51.81	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.01	75	44702	45.08	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	301036	49.40	ug/l	99
94) Hexachlorobutadiene	13.79	225	125564	41.90	ug/l	99
95) Naphthalene	13.84	128	799397	51.11	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	294687	49.79	ug/l	100

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

