

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX052518\
 Data File : VX001967.D
 Acq On : 25 May 2018 10:07
 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
 5/29/2018 4:39:19 PM

Quant Time: May 26 00:59:32 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	324360	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	439758	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	406995	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	289081	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	262226	45.23	ug/l	0.00
Spiked Amount			Recovery	=	90.46%	
35) Dibromofluoromethane	5.51	113	208103	47.32	ug/l	0.00
Spiked Amount			Recovery	=	94.64%	
50) Toluene-d8	8.72	98	770207	48.38	ug/l	0.00
Spiked Amount			Recovery	=	96.76%	
62) 4-Bromofluorobenzene	11.14	95	310416	49.83	ug/l	0.00
Spiked Amount			Recovery	=	99.66%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	193226	47.499	ug/l	99
3) Chloromethane	1.32	50	227621	45.610	ug/l	100
4) Vinyl Chloride	1.41	62	221549	45.977	ug/l	99
5) Bromomethane	1.64	94	129772	58.674	ug/l	99
6) Chloroethane	1.72	64	134423	47.321	ug/l	100
7) Trichlorofluoromethane	1.93	101	354847	49.035	ug/l	99
8) Diethyl Ether	2.19	74	127774	48.664	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.39	101	205277	50.835	ug/l	99
10) Methyl Iodide	2.51	142	286036	52.351	ug/l	100
11) Tert butyl alcohol	3.08	59	261754	229.993	ug/l	98
12) 1,1-Dichloroethene	2.37	96	181448	47.993	ug/l	99
13) Acrolein	2.30	56	102885	209.085	ug/l	100
14) Allyl chloride	2.73	41	383258	48.294	ug/l	98
15) Acrylonitrile	3.15	53	535681	228.889	ug/l	99
16) Acetone	2.45	43	560716	250.587	ug/l	99
17) Carbon Disulfide	2.57	76	516602	47.478	ug/l	99
18) Methyl Acetate	2.78	43	265464	49.230	ug/l	98
19) Methyl tert-butyl Ether	3.21	73	681039	47.894	ug/l	100
20) Methylene Chloride	2.86	84	200374	51.778	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	192954	52.502	ug/l	99
22) Diisopropyl ether	3.88	45	702070	43.492	ug/l	98
23) Vinyl Acetate	3.83	43	3111900	232.512	ug/l	100
24) 1,1-Dichloroethane	3.70	63	371546	48.454	ug/l	100
25) 2-Butanone	4.71	43	873415	212.970	ug/l	99
26) 2,2-Dichloropropane	4.59	77	354331	45.653	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	221925	45.015	ug/l	95
28) Bromochloromethane	5.03	49	164581	51.125	ug/l	98
29) Tetrahydrofuran	5.17	42	557847	209.068	ug/l	100
30) Chloroform	5.22	83	384838	44.547	ug/l	99
31) Cyclohexane	5.57	56	360652	45.143	ug/l	98
32) 1,1,1-Trichloroethane	5.50	97	358691	44.536	ug/l	100
36) 1,1-Dichloropropene	5.80	75	286539	46.844	ug/l	99
37) Ethyl Acetate	4.87	43	342872	42.995	ug/l	100
38) Carbon Tetrachloride	5.79	117	331653	46.496	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	369803	49.210	ug/l	98
40) Benzene	6.15	78	844318	47.115	ug/l	99
41) Methacrylonitrile	5.07	41	195159	46.274	ug/l	99
42) 1,2-Dichloroethane	6.20	62	323897	45.248	ug/l	100
43) Isopropyl Acetate	6.47	43	598864	45.070	ug/l	99
44) Trichloroethene	7.21	130	246346	47.173	ug/l	99
45) 1,2-Dichloropropane	7.52	63	230638	47.391	ug/l	99
46) Dibromomethane	7.67	93	150280	46.640	ug/l	99
47) Bromodichloromethane	7.90	83	316411	46.055	ug/l	99
48) Methyl methacrylate	7.78	41	301504	44.583	ug/l	99
49) 1,4-Dioxane	7.76	88	106025	889.680	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	1789918	223.464	ug/l	100
52) Toluene	8.79	92	538041	47.177	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	377218	47.671	ug/l	98
54) cis-1,3-Dichloropropene	9.05	75	365526	47.406	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	219099	45.988	ug/l	99
56) Ethyl methacrylate	9.18	69	369801	45.126	ug/l	100
57) 1,3-Dichloropropane	9.38	76	367004	46.760	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	875191	240.957	ug/l	100
59) 2-Hexanone	9.50	43	1394777	225.833	ug/l	100
60) Dibromochloromethane	9.59	129	268927	47.656	ug/l	100
61) 1,2-Dibromoethane	9.68	107	235606	47.129	ug/l	99
64) Tetrachloroethene	9.34	164	282819	48.466	ug/l	98
65) Chlorobenzene	10.14	112	617799	47.911	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	243327	46.732	ug/l	100
67) Ethyl Benzene	10.26	91	1081896	48.291	ug/l	100
68) m/p-Xylenes	10.37	106	837416	97.782	ug/l	99
69) o-Xylene	10.70	106	410738	48.033	ug/l	99
70) Styrene	10.72	104	685830	48.362	ug/l	100
71) Bromoform	10.86	173	234687	47.534	ug/l #	100
73) Isopropylbenzene	11.02	105	1119331	45.725	ug/l	99
74) N-amyl acetate	6.47	43	598864	46.967	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	314090	46.833	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	347727m	50.079	ug/l	
77) Bromobenzene	11.26	156	296471	45.647	ug/l	97
78) n-propylbenzene	11.37	91	1280479	46.704	ug/l	100
79) 2-Chlorotoluene	11.43	91	756780	50.332	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	965195	46.137	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	122311	42.336	ug/l	97
82) 4-Chlorotoluene	11.52	91	898800	46.480	ug/l	100
83) tert-Butylbenzene	11.77	119	933479	45.471	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	988393	45.719	ug/l	99
85) sec-Butylbenzene	11.95	105	1155588	46.827	ug/l	100
86) p-Isopropyltoluene	12.07	119	1058153	47.918	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	548104	47.123	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	550436	47.334	ug/l	99
89) n-Butylbenzene	12.39	91	926987	49.541	ug/l	99
90) Hexachloroethane	12.60	117	199292	45.753	ug/l	98
91) 1,2-Dichlorobenzene	12.40	146	548368	46.272	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.01	75	89214	40.991	ug/l	98

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	417621	49.281	ug/l	100
94) Hexachlorobutadiene	13.79	225	224727	49.298	ug/l	100
95) Naphthalene	13.84	128	1181518	45.254	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	418915	47.774	ug/l	99

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

