

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX052118\
 Data File : VX001889.D
 Acq On : 21 May 2018 22:18
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 5/22/2018 12:47:26 PM

Quant Time: May 22 03:35:12 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	216846	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	276831	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	199679	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	120454	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	144594	49.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.50%	
35) Dibromofluoromethane	5.50	113	131060	56.10	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	112.20%	
50) Toluene-d8	8.72	98	435045	52.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.00%	
62) 4-Bromofluorobenzene	11.14	95	120161	39.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	79.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	103918	47.755	ug/l	100
3) Chloromethane	1.32	50	132248	56.258	ug/l	99
4) Vinyl Chloride	1.40	62	126710	49.859	ug/l	99
5) Bromomethane	1.64	94	52649	49.171	ug/l	96
6) Chloroethane	1.71	64	95987	59.963	ug/l	100
7) Trichlorofluoromethane	1.92	101	195755	53.008	ug/l	97
8) Diethyl Ether	2.19	74	88486	58.210	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	121068	54.458	ug/l	99
10) Methyl Iodide	2.51	142	152160	74.391	ug/l	98
11) Tert butyl alcohol	3.08	59	206776	400.704	ug/l	99
12) 1,1-Dichloroethene	2.37	96	99472	46.412	ug/l	99
13) Acrolein	2.29	56	55764	152.366	ug/l	99
14) Allyl chloride	2.73	41	207551	52.389	ug/l	94
15) Acrylonitrile	3.15	53	436499	336.779	ug/l	99
16) Acetone	2.45	43	386419	338.488	ug/l	99
17) Carbon Disulfide	2.57	76	208833	37.352	ug/l	98
18) Methyl Acetate	2.78	43	236649	70.908	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	434893	60.202	ug/l	100
20) Methylene Chloride	2.86	84	125575	51.389	ug/l	99
21) trans-1,2-Dichloroethene	3.16	96	104692	44.341	ug/l	99
22) Diisopropyl ether	3.87	45	447566	58.891	ug/l	98
23) Vinyl Acetate	3.82	43	1336069	244.002	ug/l	99
24) 1,1-Dichloroethane	3.70	63	237018	56.867	ug/l	99
25) 2-Butanone	4.71	43	650155	371.984	ug/l	97
26) 2,2-Dichloropropane	4.58	77	135442	40.365	ug/l	95
27) cis-1,2-Dichloroethene	4.60	96	144063	53.620	ug/l	96
28) Bromochloromethane	5.02	49	111630	60.294	ug/l	99
29) Tetrahydrofuran	5.17	42	428168	375.822	ug/l	100
30) Chloroform	5.21	83	243631	55.648	ug/l	100
31) Cyclohexane	5.57	56	200234	54.808	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	220541	58.295	ug/l	99
36) 1,1-Dichloropropene	5.80	75	145560	45.676	ug/l	99
37) Ethyl Acetate	4.87	43	216967	65.330	ug/l	99
38) Carbon Tetrachloride	5.78	117	193467	57.952	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	196107	52.669	ug/l	99
40) Benzene	6.15	78	532877	56.753	ug/l	100
41) Methacrylonitrile	5.07	41	129895	67.634	ug/l	98
42) 1,2-Dichloroethane	6.20	62	176670	52.027	ug/l	97
43) Isopropyl Acetate	6.47	43	333858	64.230	ug/l	98
44) Trichloroethene	7.21	130	149565	51.322	ug/l	99
45) 1,2-Dichloropropane	7.52	63	145835	63.298	ug/l	97
46) Dibromomethane	7.67	93	84804	52.419	ug/l	96
47) Bromodichloromethane	7.90	83	176872	58.917	ug/l	97
48) Methyl methacrylate	7.78	41	180976	66.147	ug/l	95
49) 1,4-Dioxane	7.76	88	99097	1881.153	ug/l	96
51) 4-Methyl-2-Pentanone	8.65	43	1238823	376.078	ug/l	98
52) Toluene	8.79	92	285908	47.389	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	173762	49.194	ug/l	99
54) cis-1,3-Dichloropropene	9.04	75	122364	39.301	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	123313	53.470	ug/l	99
56) Ethyl methacrylate	9.19	69	182405	55.774	ug/l	97
57) 1,3-Dichloropropane	9.38	76	193955	50.233	ug/l	100
59) 2-Hexanone	9.50	43	761132	322.781	ug/l	98
60) Dibromochloromethane	9.59	129	127957	54.183	ug/l	99
61) 1,2-Dibromoethane	9.68	107	115868	47.992	ug/l	98
64) Tetrachloroethene	9.34	164	186407	71.712	ug/l	99
65) Chlorobenzene	10.14	112	281856	51.317	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	134137	69.146	ug/l	99
67) Ethyl Benzene	10.26	91	480749	54.769	ug/l	99
68) m/p-Xylenes	10.36	106	384135	110.916	ug/l	100
69) o-Xylene	10.70	106	202463	61.043	ug/l	100
70) Styrene	10.72	104	260659	47.651	ug/l	97
71) Bromoform	10.86	173	108884	59.705	ug/l	99
73) Isopropylbenzene	11.02	105	542386	68.373	ug/l	99
74) N-amyl acetate	6.47	43	333858	87.787	ug/l #	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	183050	76.926	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	178644m	77.994	ug/l	
77) Bromobenzene	11.26	156	134705	57.789	ug/l	98
78) n-propylbenzene	11.37	91	530317	59.339	ug/l	99
79) 2-Chlorotoluene	11.43	91	334866	62.651	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	439599	67.550	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	41850	54.155	ug/l	99
82) 4-Chlorotoluene	11.51	91	354165	56.247	ug/l	99
83) tert-Butylbenzene	11.77	119	468196	72.295	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	450628	66.868	ug/l	100
85) sec-Butylbenzene	11.95	105	522045	65.301	ug/l	100
86) p-Isopropyltoluene	12.07	119	468209	63.295	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	226437	52.529	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	224920	50.460	ug/l	100
89) n-Butylbenzene	12.40	91	329712	51.534	ug/l	100
90) Hexachloroethane	12.60	117	86927	75.665	ug/l	95
91) 1,2-Dichlorobenzene	12.40	146	253410	59.001	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.01	75	44902	88.410	ug/l	98
93) 1,2,4-Trichlorobenzene	13.65	180	167010	48.781	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.79	225	102657	55.851	ug/l	99
95) Naphthalene	13.84	128	592715	66.605	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	192626	55.875	ug/l	100

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

