

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX052618\
 Data File : VX002015.D
 Acq On : 26 May 2018 12:58
 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
 5/30/2018 1:50:05 PM

Quant Time: May 28 01:20:48 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	323096	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	439266	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	409977	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	290870	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	257925	44.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.32%	
35) Dibromofluoromethane	5.51	113	200365	45.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.22%	
50) Toluene-d8	8.72	98	766114	48.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.34%	
62) 4-Bromofluorobenzene	11.14	95	308203	49.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.06%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	192026	47.38	ug/l	100
3) Chloromethane	1.32	50	226079	45.48	ug/l	100
4) Vinyl Chloride	1.41	62	229079	47.73	ug/l	99
5) Bromomethane	1.64	94	101891	46.04	ug/l	99
6) Chloroethane	1.72	64	145985	51.59	ug/l	98
7) Trichlorofluoromethane	1.93	101	371443	51.53	ug/l	99
8) Diethyl Ether	2.19	74	133091	50.89	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	216113	53.73	ug/l	98
10) Methyl Iodide	2.51	142	233728	42.94	ug/l	98
11) Tert butyl alcohol	3.08	59	274862	242.46	ug/l	98
12) 1,1-Dichloroethene	2.37	96	187416	49.77	ug/l	97
13) Acrolein	2.30	56	86266	176.00	ug/l	99
14) Allyl chloride	2.73	41	402807	50.96	ug/l	99
15) Acrylonitrile	3.15	53	566964	243.20	ug/l	100
16) Acetone	2.45	43	551353	247.37	ug/l	99
17) Carbon Disulfide	2.57	76	515858	47.60	ug/l	99
18) Methyl Acetate	2.78	43	286347	53.41	ug/l	100
19) Methyl tert-butyl Ether	3.21	73	717382	50.65	ug/l	100
20) Methylene Chloride	2.85	84	206871	53.73	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	198758	54.35	ug/l	99
22) Diisopropyl ether	3.88	45	757054	47.08	ug/l	99
23) Vinyl Acetate	3.83	43	3315626	248.70	ug/l	98
24) 1,1-Dichloroethane	3.70	63	390805	51.16	ug/l	100
25) 2-Butanone	4.71	43	875749	214.37	ug/l	100
26) 2,2-Dichloropropane	4.59	77	353431	45.72	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	220824	44.97	ug/l	98
28) Bromochloromethane	5.03	49	169457	52.92	ug/l	99
29) Tetrahydrofuran	5.17	42	566410	213.11	ug/l	99
30) Chloroform	5.22	83	388615	45.16	ug/l	99
31) Cyclohexane	5.58	56	365003	45.87	ug/l	96
32) 1,1,1-Trichloroethane	5.50	97	361948	45.12	ug/l	99
36) 1,1-Dichloropropene	5.80	75	291650	47.73	ug/l	99
37) Ethyl Acetate	4.87	43	344487	43.25	ug/l	100
38) Carbon Tetrachloride	5.79	117	327149	45.92	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	373821	49.80	ug/l	99
40) Benzene	6.15	78	856305	47.84	ug/l	100
41) Methacrylonitrile	5.07	41	198735	47.20	ug/l	99
42) 1,2-Dichloroethane	6.20	62	330467	46.22	ug/l	100
43) Isopropyl Acetate	6.47	43	610710	46.01	ug/l	100
44) Trichloroethene	7.21	130	249617	47.85	ug/l	99
45) 1,2-Dichloropropane	7.52	63	234592	48.26	ug/l	98
46) Dibromomethane	7.67	93	152460	47.37	ug/l	99
47) Bromodichloromethane	7.90	83	310672	45.27	ug/l	100
48) Methyl methacrylate	7.78	41	308338	45.64	ug/l	99
49) 1,4-Dioxane	7.76	88	107160	900.21	ug/l	99
51) 4-Methyl-2-Pentanone	8.66	43	1855684	231.93	ug/l	99
52) Toluene	8.79	92	550867	48.36	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	374961	47.44	ug/l	99
54) cis-1,3-Dichloropropene	9.05	75	364463	47.32	ug/l	100
55) 1,1,2-Trichloroethane	9.22	97	222027	46.65	ug/l	99
56) Ethyl methacrylate	9.19	69	374976	45.81	ug/l	99
57) 1,3-Dichloropropane	9.38	76	372076	47.46	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	873184	240.67	ug/l	99
59) 2-Hexanone	9.50	43	1431201	231.99	ug/l	99
60) Dibromochloromethane	9.59	129	261094	46.32	ug/l	99
61) 1,2-Dibromoethane	9.68	107	237557	47.57	ug/l	99
64) Tetrachloroethene	9.34	164	287324	48.88	ug/l	100
65) Chlorobenzene	10.14	112	624646	48.09	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	242828	46.30	ug/l	100
67) Ethyl Benzene	10.26	91	1106384	49.02	ug/l	99
68) m/p-Xylenes	10.37	106	852565	98.83	ug/l	99
69) o-Xylene	10.70	106	417337	48.45	ug/l	100
70) Styrene	10.72	104	697874	48.85	ug/l	100
71) Bromoform	10.86	173	222049	44.65	ug/l #	99
73) Isopropylbenzene	11.02	105	1139602	46.27	ug/l	99
74) N-amyl acetate	6.47	43	610710	47.65	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	320718	47.55	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	351985m	50.38	ug/l	
77) Bromobenzene	11.26	156	298630	45.70	ug/l	99
78) n-propylbenzene	11.37	91	1312746	47.59	ug/l	100
79) 2-Chlorotoluene	11.43	91	772508	51.10	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	984701	46.78	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	118502	40.77	ug/l	93
82) 4-Chlorotoluene	11.52	91	918796	47.22	ug/l	99
83) tert-Butylbenzene	11.77	119	944632	45.73	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	1005495	46.22	ug/l	100
85) sec-Butylbenzene	11.95	105	1189538	47.91	ug/l	100
86) p-Isopropyltoluene	12.07	119	1077992	48.52	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	553158	47.26	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	557783	47.67	ug/l	100
89) n-Butylbenzene	12.40	91	959681	50.97	ug/l	100
90) Hexachloroethane	12.60	117	195582	44.63	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	557128	46.72	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.01	75	89371	40.81	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	422359	49.53	ug/l	100
94) Hexachlorobutadiene	13.79	225	229362	50.00	ug/l	100
95) Naphthalene	13.84	128	1194999	45.49	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	424129	48.07	ug/l	100

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

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