

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX052618\
 Data File : VX002039.D
 Acq On : 27 May 2018 00:46
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 5/30/2018 1:50:12 PM

Quant Time: May 28 03:59:32 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	271536	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	385165	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	357534	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	243960	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.08	65	218236	44.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.92%	
35) Dibromofluoromethane	5.51	113	173730	45.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.22%	
50) Toluene-d8	8.72	98	642129	46.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.10%	
62) 4-Bromofluorobenzene	11.14	95	252280	46.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	155736	45.65	ug/l	99
3) Chloromethane	1.33	50	197695	47.32	ug/l	100
4) Vinyl Chloride	1.41	62	201102	49.85	ug/l	99
5) Bromomethane	1.64	94	109536	59.17	ug/l	98
6) Chloroethane	1.72	64	126514	53.20	ug/l	99
7) Trichlorofluoromethane	1.93	101	317181	52.36	ug/l	98
8) Diethyl Ether	2.20	74	117681	53.54	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.39	101	172324	50.98	ug/l	98
10) Methyl Iodide	2.51	142	229071	50.08	ug/l	98
11) Tert butyl alcohol	3.09	59	267475	280.74	ug/l	98
12) 1,1-Dichloroethene	2.38	96	163433	51.64	ug/l	99
13) Acrolein	2.30	56	73833	179.23	ug/l	98
14) Allyl chloride	2.73	41	339303	51.07	ug/l	99
15) Acrylonitrile	3.16	53	516095	263.42	ug/l	99
16) Acetone	2.45	43	489478	261.31	ug/l	99
17) Carbon Disulfide	2.57	76	432898	47.52	ug/l	100
18) Methyl Acetate	2.79	43	262535	58.37	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	631634	53.06	ug/l	100
20) Methylene Chloride	2.86	84	184846	57.23	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	171850	55.96	ug/l	98
22) Diisopropyl ether	3.89	45	659844	48.83	ug/l	98
23) Vinyl Acetate	3.84	43	2825182	252.15	ug/l	99
24) 1,1-Dichloroethane	3.70	63	324773	50.59	ug/l	99
25) 2-Butanone	4.72	43	776779	226.25	ug/l	99
26) 2,2-Dichloropropane	4.59	77	204179	31.42	ug/l	97
27) cis-1,2-Dichloroethene	4.60	96	193485	46.88	ug/l	93
28) Bromochloromethane	5.03	49	146317	54.43	ug/l	99
29) Tetrahydrofuran	5.18	42	508532	227.66	ug/l	100
30) Chloroform	5.23	83	337659	46.69	ug/l	98
31) Cyclohexane	5.58	56	297012	44.41	ug/l	98
32) 1,1,1-Trichloroethane	5.51	97	311667	46.23	ug/l	99
36) 1,1-Dichloropropene	5.81	75	240840	44.95	ug/l	98
37) Ethyl Acetate	4.87	43	307411	44.01	ug/l	100
38) Carbon Tetrachloride	5.79	117	278728	44.61	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	286464	43.52	ug/l	98
40) Benzene	6.15	78	735223	46.84	ug/l	99
41) Methacrylonitrile	5.07	41	177279	48.04	ug/l	98
42) 1,2-Dichloroethane	6.21	62	287160	45.80	ug/l	100
43) Isopropyl Acetate	6.48	43	528751	45.43	ug/l	100
44) Trichloroethene	7.22	130	210313	45.98	ug/l	98
45) 1,2-Dichloropropane	7.52	63	202951	47.61	ug/l	99
46) Dibromomethane	7.67	93	130789	46.34	ug/l	99
47) Bromodichloromethane	7.90	83	267569	44.47	ug/l	99
48) Methyl methacrylate	7.78	41	268214	45.28	ug/l	99
49) 1,4-Dioxane	7.76	88	101476	972.20	ug/l	99
51) 4-Methyl-2-Pentanone	8.66	43	1658845	236.45	ug/l	99
52) Toluene	8.79	92	475916	47.64	ug/l	100
53) t-1,3-Dichloropropene	8.45	75	304014	43.87	ug/l	98
54) cis-1,3-Dichloropropene	9.05	75	292612	43.33	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	192742	46.19	ug/l	99
56) Ethyl methacrylate	9.19	69	324446	45.20	ug/l	99
57) 1,3-Dichloropropane	9.38	76	326225	47.46	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	762237	239.60	ug/l	99
59) 2-Hexanone	9.50	43	1279372	236.51	ug/l	99
60) Dibromochloromethane	9.59	129	225594	45.64	ug/l	100
61) 1,2-Dibromoethane	9.68	107	206167	47.09	ug/l	99
64) Tetrachloroethene	9.34	164	238785	46.58	ug/l	99
65) Chlorobenzene	10.15	112	537449	47.45	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	209754	45.86	ug/l	100
67) Ethyl Benzene	10.26	91	938296	47.68	ug/l	99
68) m/p-Xylenes	10.37	106	715939	95.16	ug/l	100
69) o-Xylene	10.70	106	359609	47.87	ug/l	99
70) Styrene	10.72	104	593477	47.64	ug/l	100
71) Bromoform	10.86	173	189761	43.75	ug/l #	99
73) Isopropylbenzene	11.02	105	960193	46.48	ug/l	100
74) N-amyl acetate	6.48	43	528751	49.29	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	287673	50.94	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	297798m	50.82	ug/l	
77) Bromobenzene	11.26	156	258023	47.08	ug/l	97
78) n-propylbenzene	11.37	91	1079009	46.63	ug/l	100
79) 2-Chlorotoluene	11.43	91	650744	51.33	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	819581	46.42	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	89991	36.91	ug/l	95
82) 4-Chlorotoluene	11.52	91	768275	47.08	ug/l	99
83) tert-Butylbenzene	11.77	119	798517	46.09	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	842834	46.20	ug/l	99
85) sec-Butylbenzene	11.95	105	979227	47.02	ug/l	100
86) p-Isopropyltoluene	12.07	119	871771	46.78	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	460296	46.89	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	463482	47.23	ug/l	99
89) n-Butylbenzene	12.39	91	737267	46.69	ug/l	100
90) Hexachloroethane	12.60	117	157575	42.87	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	476767	47.67	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	77357	42.12	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	338368	47.31	ug/l	99
94) Hexachlorobutadiene	13.79	225	176925	45.99	ug/l	99
95) Naphthalene	13.84	128	1031315	46.81	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	350817	47.41	ug/l	100

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

