

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX041618\
 Data File : VX000913.D
 Acq On : 16 Apr 2018 12:30
 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
 4/18/2018 2:45:06 PM

Quant Time: Apr 16 16:23:48 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	257153	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	335647	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	321282	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	222967	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	142430	43.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.86%	
35) Dibromofluoromethane	5.51	113	121663	47.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.10%	
50) Toluene-d8	8.72	98	448398	46.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.14%	
62) 4-Bromofluorobenzene	11.14	95	182965	45.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	141569	48.77	ug/l	99
3) Chloromethane	1.32	50	121866	48.97	ug/l	100
4) Vinyl Chloride	1.40	62	138752	49.56	ug/l	97
5) Bromomethane	1.64	94	67345	58.35	ug/l	97
6) Chloroethane	1.72	64	83764	49.37	ug/l	99
7) Trichlorofluoromethane	1.93	101	217925	51.60	ug/l	97
8) Diethyl Ether	2.19	74	80027	50.72	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	133177	53.48	ug/l	98
10) Methyl Iodide	2.51	142	104806	53.40	ug/l	99
11) Tert butyl alcohol	3.06	59	114907	199.61	ug/l	99
12) 1,1-Dichloroethene	2.38	96	117140	49.63	ug/l	99
13) Acrolein	2.29	56	75324	269.44	ug/l	99
14) Allyl chloride	2.73	41	216142	49.53	ug/l	100
15) Acrylonitrile	3.15	53	304668	248.24	ug/l	100
16) Acetone	2.45	43	262168	234.47	ug/l	100
17) Carbon Disulfide	2.57	76	304108	42.55	ug/l	100
18) Methyl Acetate	2.78	43	154692	53.46	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	405849	51.63	ug/l	99
20) Methylene Chloride	2.86	84	127258	48.93	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	128217	49.26	ug/l	97
22) Diisopropyl ether	3.87	45	414008	51.62	ug/l	98
23) Vinyl Acetate	3.83	43	1737304	246.72	ug/l	100
24) 1,1-Dichloroethane	3.70	63	228561	50.79	ug/l	99
25) 2-Butanone	4.71	43	434628	235.38	ug/l	98
26) 2,2-Dichloropropane	4.59	77	216466	48.46	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	150543	50.97	ug/l	99
28) Bromochloromethane	5.03	49	83283	45.96	ug/l	97
29) Tetrahydrofuran	5.17	42	272992	232.85	ug/l	100
30) Chloroform	5.22	83	247999	52.05	ug/l	95
31) Cyclohexane	5.58	56	211394	49.46	ug/l	99
32) 1,1,1-Trichloroethane	5.50	97	227980	50.22	ug/l	100
36) 1,1-Dichloropropene	5.81	75	188103	50.89	ug/l	99
37) Ethyl Acetate	4.86	43	174945	48.48	ug/l	99
38) Carbon Tetrachloride	5.79	117	203244	49.12	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	225563	50.81	ug/l	99
40) Benzene	6.15	78	535162	52.10	ug/l	99
41) Methacrylonitrile	5.07	41	104024	49.90	ug/l	100
42) 1,2-Dichloroethane	6.20	62	200473	52.26	ug/l	99
43) Isopropyl Acetate	6.47	43	303392	49.04	ug/l	100
44) Trichloroethene	7.22	130	166895	52.25	ug/l	97
45) 1,2-Dichloropropane	7.53	63	138551	52.97	ug/l	98
46) Dibromomethane	7.67	93	93403	51.22	ug/l	100
47) Bromodichloromethane	7.90	83	187618	50.98	ug/l	99
48) Methyl methacrylate	7.78	41	158497	49.42	ug/l	100
49) 1,4-Dioxane	7.76	88	51079	792.57	ug/l	97
51) 4-Methyl-2-Pentanone	8.66	43	904739	248.95	ug/l	98
52) Toluene	8.79	92	359367	52.74	ug/l	98
53) t-1,3-Dichloropropene	8.44	75	228922	51.86	ug/l	99
54) cis-1,3-Dichloropropene	9.05	75	218679	50.87	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	143101	52.90	ug/l	99
56) Ethyl methacrylate	9.19	69	214488	51.40	ug/l	98
57) 1,3-Dichloropropane	9.38	76	231446	53.82	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	510646	261.91	ug/l	99
59) 2-Hexanone	9.51	43	690573	246.14	ug/l	99
60) Dibromochloromethane	9.59	129	164398	50.79	ug/l	100
61) 1,2-Dibromoethane	9.68	107	150056	52.29	ug/l	99
64) Tetrachloroethene	9.34	164	168722	53.71	ug/l	99
65) Chlorobenzene	10.15	112	424529	52.53	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.23	131	156989	51.61	ug/l	100
67) Ethyl Benzene	10.26	91	704030	52.25	ug/l	99
68) m/p-Xylenes	10.37	106	560893	105.46	ug/l	99
69) o-Xylene	10.71	106	270015	52.68	ug/l	100
70) Styrene	10.72	104	457728	52.97	ug/l	100
71) Bromoform	10.87	173	133351	47.35	ug/l	99
73) Isopropylbenzene	11.02	105	737158	52.11	ug/l	100
74) N-amyl acetate	6.47	43	303392	47.63	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	204217	49.75	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	220026m	57.22	ug/l	
77) Bromobenzene	11.26	156	212018	51.15	ug/l	100
78) n-propylbenzene	11.37	91	842911	52.10	ug/l	100
79) 2-Chlorotoluene	11.43	91	496841	51.96	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	627867	51.61	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	63221	45.23	ug/l	98
82) 4-Chlorotoluene	11.52	91	592028	51.29	ug/l	100
83) tert-Butylbenzene	11.77	119	648309	52.09	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	647769	51.58	ug/l	100
85) sec-Butylbenzene	11.95	105	762183	51.91	ug/l	100
86) p-Isopropyltoluene	12.07	119	707239	51.66	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	399279	52.04	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	404478	51.44	ug/l	99
89) n-Butylbenzene	12.40	91	630860	52.20	ug/l	100
90) Hexachloroethane	12.60	117	108869	46.99	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	387467	52.31	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.01	75	43427	42.22	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	328463	51.97	ug/l	99
94) Hexachlorobutadiene	13.79	225	144993	46.65	ug/l	100
95) Naphthalene	13.84	128	801760	49.42	ug/l	100
96) 1,2,3-Trichlorobenzene	14.03	180	315818	51.44	ug/l	99

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

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