

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX041618\
 Data File : VX000964.D
 Acq On : 17 Apr 2018 11:19
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 55 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 4/18/2018 2:45:14 PM

Quant Time: Apr 17 12:58:56 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	223175	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	306761	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	292925	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	198678	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	136191	48.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.80%	
35) Dibromofluoromethane	5.51	113	116399	49.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.50%	
50) Toluene-d8	8.72	98	425585	48.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.72%	
62) 4-Bromofluorobenzene	11.15	95	172799	47.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	118712	47.12	ug/l	99
3) Chloromethane	1.32	50	109095	50.51	ug/l	99
4) Vinyl Chloride	1.40	62	123249	50.73	ug/l	97
5) Bromomethane	1.64	94	77209	77.54	ug/l	98
6) Chloroethane	1.73	64	74680	50.72	ug/l	99
7) Trichlorofluoromethane	1.93	101	186814	50.96	ug/l	98
8) Diethyl Ether	2.19	74	72821	53.18	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	107390	49.69	ug/l	99
10) Methyl Iodide	2.51	142	99630	57.71	ug/l	99
11) Tert butyl alcohol	3.07	59	108395	216.96	ug/l	100
12) 1,1-Dichloroethene	2.38	96	102540	50.06	ug/l	97
13) Acrolein	2.29	56	25502	105.11	ug/l	96
14) Allyl chloride	2.73	41	184131	48.62	ug/l	100
15) Acrylonitrile	3.15	53	288853	271.18	ug/l	99
16) Acetone	2.45	43	231112	238.16	ug/l	100
17) Carbon Disulfide	2.57	76	255948	41.27	ug/l	100
18) Methyl Acetate	2.78	43	148039	58.95	ug/l	98
19) Methyl tert-butyl Ether	3.21	73	367784	53.91	ug/l	100
20) Methylene Chloride	2.86	84	113430	50.26	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	111756	49.48	ug/l	99
22) Diisopropyl ether	3.88	45	389295	55.93	ug/l	100
23) Vinyl Acetate	3.83	43	1611644	263.72	ug/l	99
24) 1,1-Dichloroethane	3.70	63	212337	54.37	ug/l	99
25) 2-Butanone	4.71	43	403215	251.62	ug/l	99
26) 2,2-Dichloropropane	4.59	77	134295	34.64	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	134387	52.43	ug/l	96
28) Bromochloromethane	5.03	49	79302	50.42	ug/l	98
29) Tetrahydrofuran	5.17	42	260432	255.95	ug/l	100
30) Chloroform	5.22	83	223631	54.08	ug/l	99
31) Cyclohexane	5.59	56	179714	48.45	ug/l	98
32) 1,1,1-Trichloroethane	5.51	97	198676	50.43	ug/l	99
36) 1,1-Dichloropropene	5.81	75	162917	48.22	ug/l	99
37) Ethyl Acetate	4.87	43	164373	49.84	ug/l	99
38) Carbon Tetrachloride	5.79	117	173963	46.01	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.47	83	176252	43.44	ug/l	97
40) Benzene	6.15	78	479761	51.11	ug/l	99
41) Methacrylonitrile	5.07	41	97347	51.09	ug/l	100
42) 1,2-Dichloroethane	6.21	62	183205	52.26	ug/l	99
43) Isopropyl Acetate	6.47	43	281357	49.76	ug/l	100
44) Trichloroethene	7.22	130	146452	50.16	ug/l	98
45) 1,2-Dichloropropane	7.52	63	126274	52.83	ug/l	99
46) Dibromomethane	7.67	93	85168	51.10	ug/l	99
47) Bromodichloromethane	7.91	83	166140	49.39	ug/l	99
48) Methyl methacrylate	7.78	41	148706	50.74	ug/l	99
49) 1,4-Dioxane	7.76	88	43182	733.13	ug/l	97
51) 4-Methyl-2-Pentanone	8.66	43	864107	260.16	ug/l	99
52) Toluene	8.79	92	316084	50.75	ug/l	99
53) t-1,3-Dichloropropene	8.45	75	190948	47.33	ug/l	99
54) cis-1,3-Dichloropropene	9.05	75	181258	46.14	ug/l	98
55) 1,1,2-Trichloroethane	9.22	97	129671	52.45	ug/l	99
56) Ethyl methacrylate	9.19	69	194012	50.87	ug/l	100
57) 1,3-Dichloropropane	9.38	76	208857	53.14	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	484064	271.65	ug/l	99
59) 2-Hexanone	9.51	43	636941	248.40	ug/l	100
60) Dibromochloromethane	9.59	129	142869	48.30	ug/l	100
61) 1,2-Dibromoethane	9.68	107	136813	52.16	ug/l	99
64) Tetrachloroethene	9.34	164	147645	51.55	ug/l	99
65) Chlorobenzene	10.15	112	377721	51.26	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	138380	49.89	ug/l	99
67) Ethyl Benzene	10.26	91	616073	50.15	ug/l	100
68) m/p-Xylenes	10.37	106	483115	99.63	ug/l	100
69) o-Xylene	10.71	106	238519	51.04	ug/l	99
70) Styrene	10.72	104	402782	51.12	ug/l	99
71) Bromoform	10.87	173	116442	45.34	ug/l	99
73) Isopropylbenzene	11.02	105	637077	50.55	ug/l	100
74) N-amyl acetate	6.47	43	281357	49.57	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	190996	52.22	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	194101m	56.65	ug/l	
77) Bromobenzene	11.26	156	186991	50.62	ug/l	99
78) n-propylbenzene	11.37	91	710290	49.27	ug/l	100
79) 2-Chlorotoluene	11.43	91	429259	50.38	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	537611	49.60	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	47198	37.89	ug/l	92
82) 4-Chlorotoluene	11.52	91	510470	49.63	ug/l	99
83) tert-Butylbenzene	11.77	119	550019	49.60	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	555021	49.60	ug/l	100
85) sec-Butylbenzene	11.95	105	634562	48.50	ug/l	100
86) p-Isopropyltoluene	12.07	119	578189	47.39	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	340804	49.85	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	346455	49.45	ug/l	99
89) n-Butylbenzene	12.40	91	491652	45.66	ug/l	100
90) Hexachloroethane	12.60	117	88903	43.07	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	338590	51.30	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.01	75	40365	44.04	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	269276	47.81	ug/l	100
94) Hexachlorobutadiene	13.79	225	109149	39.41	ug/l	99
95) Naphthalene	13.84	128	725449	50.18	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	266309	48.68	ug/l	99

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

