

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX041018\
 Data File : VX000753.D
 Acq On : 10 Apr 2018 16:45
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICSVX041018

Manual Integrations
 APPROVED

MMDadoda
 4/11/2018 11:20:45 AM

Quant Time: Apr 11 08:20:59 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	331312	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	424089	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	403280	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	278805	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	188988	45.24	ug/l	0.00
Spiked Amount			Recovery	=	90.48%	
35) Dibromofluoromethane	5.51	113	162136	49.62	ug/l	0.00
Spiked Amount			Recovery	=	99.24%	
50) Toluene-d8	8.72	98	595445	48.95	ug/l	0.00
Spiked Amount			Recovery	=	97.90%	
62) 4-Bromofluorobenzene	11.14	95	244344	48.55	ug/l	0.00
Spiked Amount			Recovery	=	97.10%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	185559	49.62	ug/l	99
3) Chloromethane	1.32	50	152102	47.43	ug/l	100
4) Vinyl Chloride	1.40	62	170235	47.20	ug/l	97
5) Bromomethane	1.64	94	73748	49.38	ug/l	99
6) Chloroethane	1.72	64	98144	44.90	ug/l	99
7) Trichlorofluoromethane	1.93	101	264409	48.59	ug/l	99
8) Diethyl Ether	2.19	74	93893	46.19	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	157293	49.02	ug/l	99
10) Methyl Iodide	2.51	142	98290	41.11	ug/l	100
11) Tert butyl alcohol	3.07	59	162109	218.57	ug/l	99
12) 1,1-Dichloroethene	2.37	96	142336	46.81	ug/l	96
13) Acrolein	2.29	56	87487	242.90	ug/l	98
14) Allyl chloride	2.73	41	257997	45.88	ug/l	100
15) Acrylonitrile	3.15	53	363444	229.84	ug/l	100
16) Acetone	2.45	43	334893	232.47	ug/l	99
17) Carbon Disulfide	2.57	76	426559	46.33	ug/l	100
18) Methyl Acetate	2.78	43	173520	46.54	ug/l	100
19) Methyl tert-butyl Ether	3.21	73	478386	47.23	ug/l	99
20) Methylene Chloride	2.86	84	153213	45.73	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	153720	45.84	ug/l	97
22) Diisopropyl ether	3.87	45	475864	46.05	ug/l	97
23) Vinyl Acetate	3.83	43	2086537	229.99	ug/l	100
24) 1,1-Dichloroethane	3.70	63	266215	45.91	ug/l	99
25) 2-Butanone	4.71	43	545960	229.50	ug/l	100
26) 2,2-Dichloropropane	4.59	77	271799	47.23	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	177069	46.53	ug/l	99
28) Bromochloromethane	5.03	49	108963	46.67	ug/l	99
29) Tetrahydrofuran	5.17	42	342257	226.58	ug/l	100
30) Chloroform	5.23	83	291502	47.48	ug/l	100
31) Cyclohexane	5.58	56	260588	47.32	ug/l	98
32) 1,1,1-Trichloroethane	5.50	97	277787	47.50	ug/l	100
36) 1,1-Dichloropropene	5.81	75	226040	48.40	ug/l	99
37) Ethyl Acetate	4.87	43	216062	47.39	ug/l	100
38) Carbon Tetrachloride	5.79	117	258203	49.39	ug/l	99

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX041018\
 Data File : VX000753.D
 Acq On : 10 Apr 2018 16:45
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX041018

Manual Integrations
 APPROVED

MMDadoda
 4/11/2018 11:20:45 AM

Quant Time: Apr 11 08:20:59 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)
39) Methylcyclohexane	7.46	83	283256	50.50	ug/l	99
40) Benzene	6.15	78	632183	48.71	ug/l	98
41) Methacrylonitrile	5.07	41	126101	47.87	ug/l	100
42) 1,2-Dichloroethane	6.20	62	235992	48.69	ug/l	99
43) Isopropyl Acetate	6.47	43	375085	47.98	ug/l	100
44) Trichloroethene	7.22	130	196673	48.73	ug/l	96
45) 1,2-Dichloropropane	7.53	63	158890	48.08	ug/l	97
46) Dibromomethane	7.67	93	112638	48.89	ug/l	99
47) Bromodichloromethane	7.90	83	231056	49.69	ug/l	98
48) Methyl methacrylate	7.78	41	196215	48.42	ug/l	100
49) 1,4-Dioxane	7.76	88	73882	907.32	ug/l	98
51) 4-Methyl-2-Pentanone	8.66	43	1107307	241.15	ug/l	100
52) Toluene	8.79	92	419327	48.70	ug/l	100
53) t-1,3-Dichloropropene	8.44	75	279063	50.03	ug/l	98
54) cis-1,3-Dichloropropene	9.05	75	272287	50.13	ug/l	100
55) 1,1,2-Trichloroethane	9.22	97	165153	48.32	ug/l	99
56) Ethyl methacrylate	9.19	69	256045	48.56	ug/l	99
57) 1,3-Dichloropropane	9.38	76	267292	49.19	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	639575	259.63	ug/l	100
59) 2-Hexanone	9.51	43	862413	243.28	ug/l	100
60) Dibromochloromethane	9.59	129	204386	49.98	ug/l	99
61) 1,2-Dibromoethane	9.68	107	176065	48.56	ug/l	99
64) Tetrachloroethene	9.34	164	194638	49.36	ug/l	100
65) Chlorobenzene	10.15	112	496618	48.95	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	188222	49.29	ug/l	100
67) Ethyl Benzene	10.26	91	831328	49.15	ug/l	100
68) m/p-Xylenes	10.37	106	660926	99.00	ug/l	100
69) o-Xylene	10.71	106	316225	49.15	ug/l	100
70) Styrene	10.72	104	534094	49.24	ug/l	100
71) Bromoform	10.87	173	178382	50.46	ug/l	100
73) Isopropylbenzene	11.02	105	866938	49.01	ug/l	100
74) N-amyl acetate	6.47	43	375085	47.09	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	243837	47.50	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	234143m	48.70	ug/l	
77) Bromobenzene	11.26	156	247886	47.82	ug/l	100
78) n-propylbenzene	11.37	91	991259	49.00	ug/l	100
79) 2-Chlorotoluene	11.43	91	577009	48.26	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	746738	49.09	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	83806	47.94	ug/l	99
82) 4-Chlorotoluene	11.52	91	695143	48.16	ug/l	100
83) tert-Butylbenzene	11.77	119	771624	49.58	ug/l	100
84) 1,2,4-Trimethylbenzene	11.82	105	770975	49.10	ug/l	100
85) sec-Butylbenzene	11.95	105	914206	49.80	ug/l	99
86) p-Isopropyltoluene	12.07	119	854340	49.90	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	465129	48.48	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	473314	48.14	ug/l	99
89) n-Butylbenzene	12.40	91	758579	50.20	ug/l	100
90) Hexachloroethane	12.60	117	146224	50.48	ug/l	100
91) 1,2-Dichlorobenzene	12.40	146	449891	48.57	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.01	75	59790	46.49	ug/l	99

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX041018\
Data File : VX000753.D
Acq On : 10 Apr 2018 16:45
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX041018

Manual Integrations
APPROVED

MMDadoda
4/11/2018 11:20:45 AM

Quant Time: Apr 11 08:20:59 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)
93) 1,2,4-Trichlorobenzene	13.65	180	394263	49.89	ug/l	99
94) Hexachlorobutadiene	13.79	225	199455	51.32	ug/l	100
95) Naphthalene	13.84	128	988977	48.75	ug/l	100
96) 1,2,3-Trichlorobenzene	14.03	180	377776	49.21	ug/l	99

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

