

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX051718\
 Data File : VX001790.D
 Acq On : 17 May 2018 15:06
 Operator : JC/MD
 Sample : J2853-19MS
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ST008MW157-180508MS

Manual Integrations
 APPROVED

MMDadoda
 5/21/2018 12:52:50 PM

Quant Time: May 18 04:35:19 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X051518W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 15 01:36:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	290342	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	399467	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	336139	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	212802	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	201895	51.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.76%	
35) Dibromofluoromethane	5.51	113	178383	52.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.82%	
50) Toluene-d8	8.72	98	651232	53.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.88%	
62) 4-Bromofluorobenzene	11.14	95	201217	46.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.58%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	140688	48.29	ug/l	99
3) Chloromethane	1.32	50	171189	54.39	ug/l	99
4) Vinyl Chloride	1.40	62	266936	78.45	ug/l	99
5) Bromomethane	1.64	94	66985	46.56	ug/l	98
6) Chloroethane	1.72	64	114467	53.41	ug/l	98
7) Trichlorofluoromethane	1.93	101	246340	49.82	ug/l	99
8) Diethyl Ether	2.19	74	107924	53.03	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	139922	47.01	ug/l	99
10) Methyl Iodide	2.51	142	195910	71.53	ug/l	99
11) Tert butyl alcohol	3.09	59	178468	258.30	ug/l	98
12) 1,1-Dichloroethene	2.37	96	143507	50.01	ug/l	99
13) Acrolein	2.30	56	136038	277.61	ug/l	100
14) Allyl chloride	2.73	41	233862	44.09	ug/l	96
15) Acrylonitrile	3.15	53	466913	269.05	ug/l	100
16) Acetone	2.45	43	398837	260.93	ug/l	99
17) Carbon Disulfide	2.57	76	348856	46.60	ug/l	99
18) Methyl Acetate	2.78	43	242607	54.29	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	511792	52.91	ug/l	100
20) Methylene Chloride	2.86	84	166802	50.98	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	152967	48.39	ug/l	98
22) Diisopropyl ether	3.88	45	544709	53.53	ug/l	98
23) Vinyl Acetate	3.83	43	1752085	238.98	ug/l	99
24) 1,1-Dichloroethane	3.70	63	294866	52.84	ug/l	99
25) 2-Butanone	4.72	43	649076	277.36	ug/l	98
26) 2,2-Dichloropropane	4.59	77	35984	8.01	ug/l #	56
27) cis-1,2-Dichloroethene	4.60	96	222487	61.85	ug/l	92
28) Bromochloromethane	5.03	49	145627	58.75	ug/l	99
29) Tetrahydrofuran	5.18	42	421920	276.59	ug/l	100
30) Chloroform	5.22	83	309344	52.77	ug/l	99
31) Cyclohexane	5.57	56	254571	52.04	ug/l	99
32) 1,1,1-Trichloroethane	5.50	97	266629	52.64	ug/l	100
36) 1,1-Dichloropropene	5.80	75	215490	46.86	ug/l	99
37) Ethyl Acetate	4.87	43	240616	50.21	ug/l	99
38) Carbon Tetrachloride	5.79	117	238923	49.60	ug/l	98

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX051718\
 Data File : VX001790.D
 Acq On : 17 May 2018 15:06
 Operator : JC/MD
 Sample : J2853-19MS
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ST008MW157-180508MS

Manual Integrations
 APPROVED

MMDadoda
 5/21/2018 12:52:50 PM

Quant Time: May 18 04:35:19 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X051518W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 15 01:36:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	246631	45.90	ug/l	98
40) Benzene	6.15	78	698949	51.59	ug/l	100
41) Methacrylonitrile	5.07	41	143752	51.87	ug/l	99
42) 1,2-Dichloroethane	6.20	62	241079	49.20	ug/l	99
43) Isopropyl Acetate	6.48	43	377592	50.34	ug/l	99
44) Trichloroethene	7.22	130	203800	48.46	ug/l	98
45) 1,2-Dichloropropane	7.53	63	174401	52.46	ug/l	97
46) Dibromomethane	7.67	93	119403	51.15	ug/l	99
47) Bromodichloromethane	7.90	83	227377	52.49	ug/l	99
48) Methyl methacrylate	7.79	41	208520	52.82	ug/l	97
49) 1,4-Dioxane	7.76	88	82843	1089.82	ug/l	96
51) 4-Methyl-2-Pentanone	8.66	43	1302535	274.03	ug/l	98
52) Toluene	8.79	92	447991	51.46	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	200532	39.34	ug/l	99
54) cis-1,3-Dichloropropene	9.05	75	160879	35.81	ug/l	98
55) 1,1,2-Trichloroethane	9.22	97	162204	48.74	ug/l	99
56) Ethyl methacrylate	9.19	69	238955	50.63	ug/l	98
57) 1,3-Dichloropropane	9.38	76	265232	47.60	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.27	63	527	0.22	ug/l #	43
59) 2-Hexanone	9.51	43	865188	254.27	ug/l	100
60) Dibromochloromethane	9.59	129	175274	51.43	ug/l	99
61) 1,2-Dibromoethane	9.68	107	169212	48.57	ug/l	100
64) Tetrachloroethene	9.34	164	201820	46.12	ug/l	99
65) Chlorobenzene	10.15	112	444566	48.08	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	170027	52.07	ug/l	99
67) Ethyl Benzene	10.26	91	728310	49.29	ug/l	99
68) m/p-Xylenes	10.37	106	572584	98.21	ug/l	99
69) o-Xylene	10.71	106	285046	51.05	ug/l	99
70) Styrene	10.72	104	468437	50.87	ug/l	100
71) Bromoform	10.87	173	141916	46.89	ug/l	99
73) Isopropylbenzene	11.02	105	741749	52.93	ug/l	100
74) N-amyl acetate	6.48	43	377592	56.20	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	226914	53.98	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	201725m	49.85	ug/l	
77) Bromobenzene	11.26	156	216939	52.68	ug/l	98
78) n-propylbenzene	11.37	91	792567	50.20	ug/l	100
79) 2-Chlorotoluene	11.43	91	489934	51.88	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	609644	53.03	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	34159	26.80	ug/l	98
82) 4-Chlorotoluene	11.52	91	559420	50.29	ug/l	99
83) tert-Butylbenzene	11.77	119	630082	55.07	ug/l	97
84) 1,2,4-Trimethylbenzene	11.81	105	634204	53.27	ug/l	100
85) sec-Butylbenzene	11.95	105	715019	50.63	ug/l	100
86) p-Isopropyltoluene	12.07	119	648825	49.65	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	370985	48.71	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	373477	47.43	ug/l	100
89) n-Butylbenzene	12.40	91	486957	43.08	ug/l	99
90) Hexachloroethane	12.60	117	112343	55.35	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	387592	51.08	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	50303	56.06	ug/l	98

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX051718\
Data File : VX001790.D
Acq On : 17 May 2018 15:06
Operator : JC/MD
Sample : J2853-19MS
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ST008MW157-180508MS

Manual Integrations
APPROVED

MMDadoda
5/21/2018 12:52:50 PM

Quant Time: May 18 04:35:19 2018
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X051518W.M
Quant Title : SW846 8260
QLast Update : Tue May 15 01:36:22 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	274050	45.31	ug/l	100
94) Hexachlorobutadiene	13.79	225	124267	38.27	ug/l	99
95) Naphthalene	13.84	128	841970	53.56	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	293750	48.23	ug/l	100

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

