

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX051718\
 Data File : VX001791.D
 Acq On : 17 May 2018 15:33
 Operator : JC/MD
 Sample : J2853-20MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ST008MW157-180508MSD

Manual Integrations
 APPROVED

MMDadoda
 5/21/2018 12:52:51 PM

Quant Time: May 18 04:35:51 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	236121	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	339924	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	257105	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	152747	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	183071	57.84	ug/l	0.00
Spiked Amount			Recovery	=	115.68%	
35) Dibromofluoromethane	5.51	113	158234	55.16	ug/l	0.00
Spiked Amount			Recovery	=	110.32%	
50) Toluene-d8	8.72	98	485518	47.26	ug/l	0.00
Spiked Amount			Recovery	=	94.52%	
62) 4-Bromofluorobenzene	11.14	95	150619	40.72	ug/l	0.00
Spiked Amount			Recovery	=	81.44%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	110263	46.53	ug/l	98
3) Chloromethane	1.32	50	167585	65.47	ug/l	99
4) Vinyl Chloride	1.40	62	252597	91.28	ug/l	99
5) Bromomethane	1.64	94	66072	57.19	ug/l	96
6) Chloroethane	1.72	64	109130	62.61	ug/l	98
7) Trichlorofluoromethane	1.93	101	184578	45.90	ug/l	98
8) Diethyl Ether	2.19	74	106321	64.23	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	89303	36.89	ug/l	98
10) Methyl Iodide	2.51	142	189082	84.90	ug/l	98
11) Tert butyl alcohol	3.09	59	176671	314.42	ug/l	99
12) 1,1-Dichloroethene	2.37	96	118144	50.62	ug/l	99
13) Acrolein	2.30	56	125648	315.29	ug/l	100
14) Allyl chloride	2.73	41	216980	50.30	ug/l	95
15) Acrylonitrile	3.15	53	463296	328.27	ug/l	100
16) Acetone	2.45	43	394304	317.20	ug/l	98
17) Carbon Disulfide	2.57	76	285979	46.98	ug/l	99
18) Methyl Acetate	2.78	43	215369	59.26	ug/l	100
19) Methyl tert-butyl Ether	3.21	73	501687	63.78	ug/l	99
20) Methylene Chloride	2.86	84	160851	60.45	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	134658	52.38	ug/l	97
22) Diisopropyl ether	3.88	45	525853	63.54	ug/l	98
23) Vinyl Acetate	3.83	43	1499380	251.47	ug/l	100
24) 1,1-Dichloroethane	3.70	63	270426	59.59	ug/l	100
25) 2-Butanone	4.72	43	639997	336.28	ug/l	97
26) 2,2-Dichloropropane	4.59	77	30918	8.46	ug/l #	50
27) cis-1,2-Dichloroethene	4.60	96	206862	70.71	ug/l	91
28) Bromochloromethane	5.03	49	138304	68.60	ug/l	99
29) Tetrahydrofuran	5.17	42	421909	340.10	ug/l	100
30) Chloroform	5.22	83	285041	59.79	ug/l	99
31) Cyclohexane	5.58	56	141969	35.69	ug/l	99
32) 1,1,1-Trichloroethane	5.50	97	217025	52.68	ug/l	100
36) 1,1-Dichloropropene	5.80	75	156311	39.95	ug/l	99
37) Ethyl Acetate	4.87	43	212644	52.14	ug/l	99
38) Carbon Tetrachloride	5.79	117	172188	42.00	ug/l	100

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX051718\
 Data File : VX001791.D
 Acq On : 17 May 2018 15:33
 Operator : JC/MD
 Sample : J2853-20MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ST008MW157-180508MSD

Manual Integrations
 APPROVED

MMDadoda
 5/21/2018 12:52:51 PM

Quant Time: May 18 04:35:51 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	129480	28.32	ug/l	100
40) Benzene	6.15	78	606538	52.61	ug/l	100
41) Methacrylonitrile	5.07	41	141107	59.84	ug/l	99
42) 1,2-Dichloroethane	6.20	62	227051	54.45	ug/l	99
43) Isopropyl Acetate	6.48	43	348759	54.64	ug/l	99
44) Trichloroethene	7.22	130	159461	44.56	ug/l	99
45) 1,2-Dichloropropane	7.52	63	162030	57.27	ug/l	98
46) Dibromomethane	7.67	93	112360	56.56	ug/l	98
47) Bromodichloromethane	7.90	83	211168	57.29	ug/l	97
48) Methyl methacrylate	7.79	41	204491	60.87	ug/l	97
49) 1,4-Dioxane	7.76	88	83169	1285.75	ug/l	98
51) 4-Methyl-2-Pentanone	8.66	43	1281646	316.86	ug/l	98
52) Toluene	8.79	92	348689	47.07	ug/l	100
53) t-1,3-Dichloropropene	8.44	75	181474	41.84	ug/l	100
54) cis-1,3-Dichloropropene	9.05	75	146489	38.32	ug/l	98
55) 1,1,2-Trichloroethane	9.22	97	151777	53.60	ug/l	99
56) Ethyl methacrylate	9.19	69	229543	57.16	ug/l	97
57) 1,3-Dichloropropane	9.38	76	247151	52.13	ug/l	100
59) 2-Hexanone	9.51	43	843945	291.47	ug/l	99
60) Dibromochloromethane	9.59	129	160379	55.31	ug/l	100
61) 1,2-Dibromoethane	9.68	107	158132	53.34	ug/l	99
64) Tetrachloroethene	9.34	164	132261	39.52	ug/l	99
65) Chlorobenzene	10.15	112	346520	49.00	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.23	131	145303	58.17	ug/l	99
67) Ethyl Benzene	10.26	91	500335	44.27	ug/l	99
68) m/p-Xylenes	10.37	106	402015	90.15	ug/l	99
69) o-Xylene	10.71	106	211602	49.55	ug/l	99
70) Styrene	10.72	104	357559	50.77	ug/l	100
71) Bromoform	10.87	173	133264	56.90	ug/l	100
73) Isopropylbenzene	11.02	105	483152	48.03	ug/l	100
74) N-amyl acetate	6.48	43	348759	72.32	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	219867	72.86	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	194278m	66.89	ug/l	
77) Bromobenzene	11.26	156	169763	57.43	ug/l	98
78) n-propylbenzene	11.37	91	505208	44.58	ug/l	99
79) 2-Chlorotoluene	11.43	91	342634	50.55	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	408811	49.54	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	32073	34.04	ug/l	96
82) 4-Chlorotoluene	11.52	91	391005	48.97	ug/l	100
83) tert-Butylbenzene	11.77	119	414926	50.52	ug/l	95
84) 1,2,4-Trimethylbenzene	11.81	105	438597	51.32	ug/l	100
85) sec-Butylbenzene	11.95	105	438824	43.29	ug/l	100
86) p-Isopropyltoluene	12.07	119	412608	43.99	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	272768	49.90	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	275597	48.76	ug/l	100
89) n-Butylbenzene	12.40	91	303496	37.41	ug/l	100
90) Hexachloroethane	12.60	117	70419	48.34	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	298897	54.88	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	48694	75.61	ug/l	98
93) 1,2,4-Trichlorobenzene	13.65	180	206364	47.53	ug/l	99

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX051718\
Data File : VX001791.D
Acq On : 17 May 2018 15:33
Operator : JC/MD
Sample : J2853-20MSD
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ST008MW157-180508MSD

Manual Integrations
APPROVED

MMDadoda
5/21/2018 12:52:51 PM

Quant Time: May 18 04:35:51 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)
94) Hexachlorobutadiene	13.79	225	81709	35.06	ug/l	99
95) Naphthalene	13.84	128	739588	65.54	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	233867	53.50	ug/l	100

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

