

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX051718\
 Data File : VX001803.D
 Acq On : 17 May 2018 20:54
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

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

Quant Time: May 18 04:59:23 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	294110	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	385157	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	311867	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	204139	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	184035	46.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.36%	
35) Dibromofluoromethane	5.51	113	162857	50.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.20%	
50) Toluene-d8	8.72	98	575159	49.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.82%	
62) 4-Bromofluorobenzene	11.14	95	191079	45.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.18%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	135353	45.86	ug/l	98
3) Chloromethane	1.32	50	156599	49.12	ug/l	100
4) Vinyl Chloride	1.40	62	168423	48.86	ug/l	100
5) Bromomethane	1.64	94	64630	44.18	ug/l	98
6) Chloroethane	1.72	64	109265	50.33	ug/l	99
7) Trichlorofluoromethane	1.92	101	236205	47.16	ug/l	99
8) Diethyl Ether	2.19	74	101732	49.34	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	143219	47.50	ug/l	99
10) Methyl Iodide	2.51	142	191367	68.98	ug/l	98
11) Tert butyl alcohol	3.09	59	194403	277.76	ug/l	100
12) 1,1-Dichloroethene	2.37	96	137358	47.25	ug/l	97
13) Acrolein	2.30	56	109054	219.69	ug/l	100
14) Allyl chloride	2.73	41	268296	49.93	ug/l	96
15) Acrylonitrile	3.15	53	467683	266.04	ug/l	100
16) Acetone	2.45	43	404396	261.18	ug/l	99
17) Carbon Disulfide	2.57	76	326189	43.02	ug/l	100
18) Methyl Acetate	2.78	43	258250	57.05	ug/l	100
19) Methyl tert-butyl Ether	3.21	73	485971	49.60	ug/l	100
20) Methylene Chloride	2.86	84	157757	47.60	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	147034	45.91	ug/l	97
22) Diisopropyl ether	3.88	45	512907	49.76	ug/l	98
23) Vinyl Acetate	3.83	43	1723253	232.04	ug/l	99
24) 1,1-Dichloroethane	3.70	63	280381	49.60	ug/l	100
25) 2-Butanone	4.72	43	665037	280.54	ug/l	96
26) 2,2-Dichloropropane	4.59	77	190588	41.88	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	180906	49.64	ug/l	98
28) Bromochloromethane	5.03	49	141197	56.23	ug/l	98
29) Tetrahydrofuran	5.18	42	430534	278.62	ug/l	100
30) Chloroform	5.22	83	296171	49.88	ug/l	99
31) Cyclohexane	5.57	56	245851	49.62	ug/l	99
32) 1,1,1-Trichloroethane	5.50	97	256841	50.05	ug/l	99
36) 1,1-Dichloropropene	5.80	75	210214	47.41	ug/l	99
37) Ethyl Acetate	4.87	43	244829	52.99	ug/l	99
38) Carbon Tetrachloride	5.78	117	229662	49.45	ug/l	99

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX051718\
 Data File : VX001803.D
 Acq On : 17 May 2018 20:54
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

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

Quant Time: May 18 04:59:23 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	256637	49.54	ug/l	99
40) Benzene	6.15	78	664773	50.89	ug/l	99
41) Methacrylonitrile	5.07	41	142981	53.51	ug/l	98
42) 1,2-Dichloroethane	6.21	62	226117	47.86	ug/l	98
43) Isopropyl Acetate	6.48	43	377026	52.13	ug/l	99
44) Trichloroethene	7.22	130	202656	49.98	ug/l	96
45) 1,2-Dichloropropane	7.53	63	166220	51.85	ug/l	98
46) Dibromomethane	7.67	93	113028	50.22	ug/l	99
47) Bromodichloromethane	7.90	83	218854	52.40	ug/l	98
48) Methyl methacrylate	7.79	41	202439	53.18	ug/l	97
49) 1,4-Dioxane	7.77	88	92218	1258.22	ug/l	96
51) 4-Methyl-2-Pentanone	8.66	43	1278329	278.93	ug/l	98
52) Toluene	8.79	92	424914	50.62	ug/l	100
53) t-1,3-Dichloropropene	8.45	75	254209	51.73	ug/l	100
54) cis-1,3-Dichloropropene	9.05	75	199668	46.09	ug/l	98
55) 1,1,2-Trichloroethane	9.22	97	155178	48.36	ug/l	99
56) Ethyl methacrylate	9.19	69	222979	49.00	ug/l	99
57) 1,3-Dichloropropane	9.38	76	251440	46.81	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	652782	278.89	ug/l	100
59) 2-Hexanone	9.51	43	865282	263.74	ug/l	99
60) Dibromochloromethane	9.59	129	166906	50.80	ug/l	99
61) 1,2-Dibromoethane	9.68	107	160312	47.73	ug/l	100
64) Tetrachloroethene	9.34	164	208692	51.40	ug/l	98
65) Chlorobenzene	10.15	112	429183	50.03	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	161463	53.29	ug/l	99
67) Ethyl Benzene	10.26	91	700643	51.11	ug/l	99
68) m/p-Xylenes	10.37	106	564537	104.37	ug/l	100
69) o-Xylene	10.71	106	273863	52.87	ug/l	99
70) Styrene	10.72	104	456399	53.42	ug/l	99
71) Bromoform	10.87	173	136304	48.44	ug/l	98
73) Isopropylbenzene	11.02	105	729984	54.30	ug/l	100
74) N-amyl acetate	6.48	43	377026	58.50	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	217445	53.92	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	210135m	54.13	ug/l	
77) Bromobenzene	11.26	156	207724	52.58	ug/l	99
78) n-propylbenzene	11.37	91	802526	52.99	ug/l	100
79) 2-Chlorotoluene	11.43	91	479174	52.90	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	606086	54.95	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	60522	46.70	ug/l	97
82) 4-Chlorotoluene	11.52	91	550475	51.58	ug/l	99
83) tert-Butylbenzene	11.77	119	596876	54.38	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	627268	54.92	ug/l	100
85) sec-Butylbenzene	11.95	105	733380	54.13	ug/l	100
86) p-Isopropyltoluene	12.07	119	669845	53.43	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	370252	50.68	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	370285	49.02	ug/l	100
89) n-Butylbenzene	12.40	91	539860	49.79	ug/l	100
90) Hexachloroethane	12.60	117	108655	55.81	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	381296	52.38	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.01	75	50369	58.52	ug/l	98

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX051718\
Data File : VX001803.D
Acq On : 17 May 2018 20:54
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

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

Quant Time: May 18 04:59:23 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	283539	48.87	ug/l	99
94) Hexachlorobutadiene	13.79	225	152655	49.01	ug/l	98
95) Naphthalene	13.84	128	831355	55.12	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	295671	50.61	ug/l	100

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

