

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX052918\
 Data File : VX002109.D
 Acq On : 29 May 2018 22:53
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 5/30/2018 1:51:02 PM

Quant Time: May 30 08:17:27 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X052418W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 24 13:09:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	289371	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	412738	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	382696	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	253602	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	217908	42.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.26%	
35) Dibromofluoromethane	5.51	113	169400	41.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	82.08%	
50) Toluene-d8	8.72	98	625493	41.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.72%	
62) 4-Bromofluorobenzene	11.14	95	247809	42.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.78%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	156384	42.89	ug/l	97
3) Chloromethane	1.32	50	201447	45.25	ug/l	100
4) Vinyl Chloride	1.40	62	202243	47.04	ug/l	100
5) Bromomethane	1.64	94	104856	53.05	ug/l	100
6) Chloroethane	1.72	64	128097	50.55	ug/l	97
7) Trichlorofluoromethane	1.93	101	324477	50.26	ug/l	99
8) Diethyl Ether	2.19	74	122818	52.43	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	178013	49.41	ug/l	98
10) Methyl Iodide	2.51	142	217980	44.72	ug/l	98
11) Tert butyl alcohol	3.09	59	270026	265.95	ug/l	99
12) 1,1-Dichloroethene	2.37	96	169143	50.15	ug/l	97
13) Acrolein	2.30	56	96665	220.20	ug/l	99
14) Allyl chloride	2.73	41	356564	50.36	ug/l	98
15) Acrylonitrile	3.15	53	541806	259.50	ug/l	99
16) Acetone	2.45	43	502552	251.75	ug/l	100
17) Carbon Disulfide	2.57	76	454936	46.87	ug/l	100
18) Methyl Acetate	2.78	43	265761	55.39	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	648213	51.10	ug/l	99
20) Methylene Chloride	2.86	84	190099	55.17	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	179269	54.74	ug/l	97
22) Diisopropyl ether	3.88	45	690834	47.97	ug/l	99
23) Vinyl Acetate	3.83	43	3042731	254.83	ug/l	98
24) 1,1-Dichloroethane	3.70	63	345506	50.51	ug/l	100
25) 2-Butanone	4.71	43	824701	225.41	ug/l	100
26) 2,2-Dichloropropane	4.59	77	254684	36.78	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	201188	45.74	ug/l	98
28) Bromochloromethane	5.03	49	177574	62.28	ug/l	100
29) Tetrahydrofuran	5.17	42	542667	227.97	ug/l	100
30) Chloroform	5.22	83	352764	45.77	ug/l	98
31) Cyclohexane	5.58	56	320934	45.03	ug/l	96
32) 1,1,1-Trichloroethane	5.50	97	322455	44.88	ug/l	99
36) 1,1-Dichloropropene	5.81	75	260105	45.31	ug/l	99
37) Ethyl Acetate	4.87	43	328804	43.93	ug/l	100
38) Carbon Tetrachloride	5.79	117	286834	42.84	ug/l	99

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX052918\
 Data File : VX002109.D
 Acq On : 29 May 2018 22:53
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 5/30/2018 1:51:02 PM

Quant Time: May 30 08:17:27 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X052418W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 24 13:09:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	317990	45.08	ug/l	98
40) Benzene	6.15	78	782961	46.55	ug/l	99
41) Methacrylonitrile	5.07	41	186562	47.16	ug/l	99
42) 1,2-Dichloroethane	6.20	62	303701	45.20	ug/l	99
43) Isopropyl Acetate	6.47	43	561370	45.01	ug/l	99
44) Trichloroethene	7.22	130	224321	45.77	ug/l	98
45) 1,2-Dichloropropane	7.52	63	212782	46.58	ug/l	99
46) Dibromomethane	7.67	93	137418	45.44	ug/l	100
47) Bromodichloromethane	7.90	83	273579	42.43	ug/l	100
48) Methyl methacrylate	7.78	41	284324	44.80	ug/l	98
49) 1,4-Dioxane	7.76	88	103138	922.11	ug/l	99
51) 4-Methyl-2-Pentanone	8.66	43	1748998	232.65	ug/l	99
52) Toluene	8.79	92	498199	46.54	ug/l	100
53) t-1,3-Dichloropropene	8.44	75	322159	43.38	ug/l	99
54) cis-1,3-Dichloropropene	9.05	75	308949	42.69	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	200369	44.81	ug/l	99
56) Ethyl methacrylate	9.19	69	340921	44.33	ug/l	99
57) 1,3-Dichloropropane	9.38	76	339977	46.15	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	764074	224.14	ug/l	100
59) 2-Hexanone	9.50	43	1335516	230.39	ug/l	100
60) Dibromochloromethane	9.59	129	225982	42.67	ug/l	100
61) 1,2-Dibromoethane	9.68	107	214883	45.80	ug/l	100
64) Tetrachloroethene	9.34	164	257712	46.97	ug/l	98
65) Chlorobenzene	10.14	112	558637	46.07	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	214119	43.73	ug/l	99
67) Ethyl Benzene	10.26	91	982475	46.64	ug/l	100
68) m/p-Xylenes	10.37	106	755778	93.85	ug/l	99
69) o-Xylene	10.71	106	371925	46.26	ug/l	99
70) Styrene	10.72	104	618826	46.41	ug/l	100
71) Bromoform	10.86	173	182493	39.31	ug/l #	99
73) Isopropylbenzene	11.02	105	1000684	46.60	ug/l	99
74) N-amyl acetate	6.47	43	561370	50.42	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	290588	49.46	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	314525m	51.63	ug/l	
77) Bromobenzene	11.26	156	264738	46.46	ug/l	98
78) n-propylbenzene	11.37	91	1128542	46.92	ug/l	99
79) 2-Chlorotoluene	11.43	91	679891	51.60	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	846814	46.14	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	95883	37.83	ug/l	93
82) 4-Chlorotoluene	11.52	91	795522	46.89	ug/l	99
83) tert-Butylbenzene	11.77	119	815944	45.31	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	870941	45.92	ug/l	100
85) sec-Butylbenzene	11.95	105	1010916	46.70	ug/l	99
86) p-Isopropyltoluene	12.07	119	899856	46.45	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	474644	46.52	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	478702	46.92	ug/l	99
89) n-Butylbenzene	12.40	91	773913	47.15	ug/l	100
90) Hexachloroethane	12.60	117	152764	39.98	ug/l	100
91) 1,2-Dichlorobenzene	12.40	146	485339	46.68	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.01	75	78937	41.34	ug/l	98

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX052918\
Data File : VX002109.D
Acq On : 29 May 2018 22:53
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

MMDadoda
5/30/2018 1:51:02 PM

Quant Time: May 30 08:17:27 2018
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X052418W.M
Quant Title : SW846 8260
QLast Update : Thu May 24 13:09:03 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	349448	47.00	ug/l	99
94) Hexachlorobutadiene	13.79	225	181383	45.36	ug/l	100
95) Naphthalene	13.84	128	1062850	46.40	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	356865	46.39	ug/l	99

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

