

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX021218\
 Data File : VX000070.D
 Acq On : 12 Feb 2018 17:37
 Operator : JC/MD
 Sample : VX0212WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 ClientSampleId :
 VX0212WBSD01

Manual Integrations
 APPROVED

MMDadoda
 2/15/2018 6:05:18 PM

Quant Time: Feb 13 04:03:04 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X020918W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 09 23:01:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.68	168	110652	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	187499	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	181272	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	103286	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.08	65	62642	54.18	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	108.36%	
35) Dibromofluoromethane	5.51	113	54053	49.38	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.76%	
50) Toluene-d8	8.73	98	201706	49.51	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.02%	
62) 4-Bromofluorobenzene	11.15	95	82024	49.51	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.02%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	21695	21.64	ug/l	98
3) Chloromethane	1.33	50	23391	22.91	ug/l	96
4) Vinyl Chloride	1.41	62	26434	22.97	ug/l	96
5) Bromomethane	1.64	94	21043	34.24	ug/l	99
6) Chloroethane	1.73	64	17051	24.65	ug/l	100
7) Trichlorofluoromethane	1.93	101	45144	22.52	ug/l	100
8) Diethyl Ether	2.20	74	16194	22.31	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.39	101	25154	22.21	ug/l	98
10) Methyl Iodide	2.52	142	25595	19.67	ug/l	98
11) Tert butyl alcohol	3.08	59	58023	125.42	ug/l	100
12) 1,1-Dichloroethene	2.38	96	23342	21.74	ug/l	98
13) Acrolein	2.30	56	22204	93.51	ug/l	98
14) Allyl chloride	2.73	41	40832	21.83	ug/l	99
15) Acrylonitrile	3.16	53	95047	117.93	ug/l	100
16) Acetone	2.45	43	87767	128.23	ug/l	98
17) Carbon Disulfide	2.57	76	67151	21.47	ug/l	100
18) Methyl Acetate	2.79	43	43269	25.07	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	82651	22.50	ug/l	99
20) Methylene Chloride	2.86	84	25634	22.37	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	25822	22.35	ug/l	93
22) Diisopropyl ether	3.89	45	65339	21.15	ug/l	99
23) Vinyl Acetate	3.84	43	332747	119.16	ug/l	99
24) 1,1-Dichloroethane	3.71	63	43351	22.58	ug/l	99
25) 2-Butanone	4.72	43	129554	125.41	ug/l	97
26) 2,2-Dichloropropane	4.59	77	36209	22.01	ug/l	99
27) cis-1,2-Dichloroethene	4.61	96	25268	22.31	ug/l	98
28) Bromochloromethane	5.04	49	13361	20.99	ug/l	94
29) Tetrahydrofuran	5.18	42	86005	121.50	ug/l	98
30) Chloroform	5.23	83	43379	22.41	ug/l	98
31) Cyclohexane	5.59	56	34711	22.00	ug/l	97
32) 1,1,1-Trichloroethane	5.51	97	40123	22.02	ug/l	98
36) 1,1-Dichloropropene	5.81	75	32838	20.12	ug/l	98
37) Ethyl Acetate	4.88	43	44424	21.08	ug/l	99
38) Carbon Tetrachloride	5.79	117	36697	20.02	ug/l	94

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX021218\
 Data File : VX000070.D
 Acq On : 12 Feb 2018 17:37
 Operator : JC/MD
 Sample : VX0212WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 ClientSampleId :
 VX0212WBSD01

Manual Integrations
 APPROVED

MMDadoda
 2/15/2018 6:05:18 PM

Quant Time: Feb 13 04:03:04 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X020918W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 09 23:01:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.47	83	38766	19.56	ug/l	98
40) Benzene	6.15	78	94006	20.37	ug/l	99
41) Methacrylonitrile	5.07	41	22667	20.93	ug/l	99
42) 1,2-Dichloroethane	6.21	62	35186	21.35	ug/l	100
43) Isopropyl Acetate	6.48	43	65581	20.63	ug/l	98
44) Trichloroethene	7.23	130	28553	20.00	ug/l	99
45) 1,2-Dichloropropane	7.52	63	23349	20.81	ug/l	94
46) Dibromomethane	7.67	93	18444	21.30	ug/l	94
47) Bromodichloromethane	7.91	83	34661	20.59	ug/l	98
48) Methyl methacrylate	7.79	41	31690	20.31	ug/l	98
49) 1,4-Dioxane	7.77	88	18225	438.54	ug/l	98
51) 4-Methyl-2-Pentanone	8.66	43	246172	111.15	ug/l	96
52) Toluene	8.79	92	64499	20.81	ug/l	99
53) t-1,3-Dichloropropene	8.45	75	40343	20.48	ug/l	99
54) cis-1,3-Dichloropropene	9.05	75	40134	20.97	ug/l	99
55) 1,1,2-Trichloroethane	9.23	97	27137	20.88	ug/l	98
56) Ethyl methacrylate	9.20	69	40903	20.51	ug/l	96
57) 1,3-Dichloropropane	9.38	76	42437	20.99	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.32	63	101109	102.67	ug/l	97
59) 2-Hexanone	9.51	43	206931	114.88	ug/l	98
60) Dibromochloromethane	9.59	129	30785	20.60	ug/l	97
61) 1,2-Dibromoethane	9.68	107	29987	20.95	ug/l	100
64) Tetrachloroethene	9.34	164	26306	19.49	ug/l	98
65) Chlorobenzene	10.15	112	77177	20.48	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	27256	20.12	ug/l	98
67) Ethyl Benzene	10.26	91	128153	20.52	ug/l	100
68) m/p-Xylenes	10.37	106	101854	40.95	ug/l	100
69) o-Xylene	10.71	106	48837	20.34	ug/l	97
70) Styrene	10.72	104	81435	20.08	ug/l	99
71) Bromoform	10.87	173	25564	19.95	ug/l #	100
73) Isopropylbenzene	11.02	105	133979	20.44	ug/l	99
74) N-amyl acetate	6.48	43	65581	19.99	ug/l #	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	45097	20.23	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	42205m	21.70	ug/l	
77) Bromobenzene	11.26	156	35222	19.81	ug/l	96
78) n-propylbenzene	11.37	91	153679	20.22	ug/l	99
79) 2-Chlorotoluene	11.43	91	89241	20.31	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	110754	20.17	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.09	75	15436	19.63	ug/l	90
82) 4-Chlorotoluene	11.52	91	106888	20.36	ug/l	100
83) tert-Butylbenzene	11.78	119	112395	20.26	ug/l	100
84) 1,2,4-Trimethylbenzene	11.82	105	115478	20.55	ug/l	99
85) sec-Butylbenzene	11.96	105	137999	20.22	ug/l	100
86) p-Isopropyltoluene	12.07	119	124177	20.23	ug/l	99
87) 1,3-Dichlorobenzene	12.04	146	67300	20.09	ug/l	99
88) 1,4-Dichlorobenzene	12.11	146	69315	20.22	ug/l	99
89) n-Butylbenzene	12.40	91	115031	20.06	ug/l	99
90) Hexachloroethane	12.60	117	21032	19.59	ug/l	96
91) 1,2-Dichlorobenzene	12.40	146	67065	20.46	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.01	75	13801	21.62	ug/l	93

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX021218\
Data File : VX000070.D
Acq On : 12 Feb 2018 17:37
Operator : JC/MD
Sample : VX0212WBSD01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
ClientSampleId :
VX0212WBSD01

Manual Integrations
APPROVED

MMDadoda
2/15/2018 6:05:18 PM

Quant Time: Feb 13 04:03:04 2018
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X020918W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 09 23:01:05 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	50289	20.06	ug/l	98
94) Hexachlorobutadiene	13.79	225	22562	19.07	ug/l	99
95) Naphthalene	13.84	128	173804	21.33	ug/l	100
96) 1,2,3-Trichlorobenzene	14.03	180	50278	20.61	ug/l	99

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

