

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX032718\
 Data File : VX000459.D
 Acq On : 27 Mar 2018 15:21
 Operator : JC/MD
 Sample : VX0327WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0327WBS01

Manual Integrations
 APPROVED

MMDadoda
 3/28/2018 11:41:55 AM

Quant Time: Mar 28 07:23:17 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X032018W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 21 04:52:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	144717	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	232297	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	244523	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	140295	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.08	65	96625	51.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.30%	
35) Dibromofluoromethane	5.51	113	76112	52.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.00%	
50) Toluene-d8	8.73	98	305515	50.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.80%	
62) 4-Bromofluorobenzene	11.15	95	120537	47.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.82%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.20	85	36578	22.93	ug/l	98
3) Chloromethane	1.32	50	33604	20.00	ug/l	94
4) Vinyl Chloride	1.40	62	40532	22.83	ug/l	96
5) Bromomethane	1.64	94	30993	14.61	ug/l	99
6) Chloroethane	1.73	64	25435	25.28	ug/l	94
7) Trichlorofluoromethane	1.93	101	69247	21.61	ug/l	99
8) Diethyl Ether	2.19	74	25733	22.47	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.39	101	39878	22.32	ug/l	98
10) Methyl Iodide	2.52	142	23780	16.56	ug/l	95
11) Tert butyl alcohol	3.07	59	75299	115.88	ug/l	100
12) 1,1-Dichloroethene	2.38	96	35017	22.32	ug/l	95
13) Acrolein	2.29	56	22254	115.59	ug/l	97
14) Allyl chloride	2.73	41	63257	22.78	ug/l	97
15) Acrylonitrile	3.15	53	145775	110.77	ug/l	99
16) Acetone	2.45	43	177838	113.17	ug/l	99
17) Carbon Disulfide	2.57	76	94662	22.69	ug/l	99
18) Methyl Acetate	2.78	43	74263	22.54	ug/l	96
19) Methyl tert-butyl Ether	3.21	73	132355	22.81	ug/l	100
20) Methylene Chloride	2.86	84	39577	21.80	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	37718	21.56	ug/l	95
22) Diisopropyl ether	3.88	45	123973	25.28	ug/l	95
23) Vinyl Acetate	3.83	43	600540	129.19	ug/l	98
24) 1,1-Dichloroethane	3.70	63	70704	22.93	ug/l	99
25) 2-Butanone	4.71	43	195166	110.49	ug/l	96
26) 2,2-Dichloropropane	4.60	77	45360	20.99	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	36181	22.12	ug/l	97
28) Bromochloromethane	5.03	49	25539	20.09	ug/l	96
29) Tetrahydrofuran	5.18	42	116899	107.56	ug/l	99
30) Chloroform	5.23	83	63874	22.11	ug/l	96
31) Cyclohexane	5.58	56	51308	21.53	ug/l	100
32) 1,1,1-Trichloroethane	5.50	97	56589	21.71	ug/l	98
36) 1,1-Dichloropropene	5.81	75	45985	21.13	ug/l	97
37) Ethyl Acetate	4.87	43	65196	21.93	ug/l	99
38) Carbon Tetrachloride	5.79	117	48036	21.04	ug/l	97

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX032718\
 Data File : VX000459.D
 Acq On : 27 Mar 2018 15:21
 Operator : JC/MD
 Sample : VX0327WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0327WBS01

Manual Integrations
 APPROVED

MMDadoda
 3/28/2018 11:41:55 AM

Quant Time: Mar 28 07:23:17 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X032018W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 21 04:52:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.47	83	59512	22.49	ug/l	97
40) Benzene	6.15	78	138798	21.97	ug/l	99
41) Methacrylonitrile	5.07	41	34031	21.72	ug/l	99
42) 1,2-Dichloroethane	6.20	62	55871	22.53	ug/l	97
43) Isopropyl Acetate	6.48	43	97862	22.12	ug/l	99
44) Trichloroethene	7.22	130	39640	21.90	ug/l	99
45) 1,2-Dichloropropane	7.53	63	36521	22.58	ug/l	92
46) Dibromomethane	7.67	93	28226	22.23	ug/l	98
47) Bromodichloromethane	7.91	83	51814	23.20	ug/l	98
48) Methyl methacrylate	7.79	41	49095	22.86	ug/l	97
49) 1,4-Dioxane	7.76	88	20382	451.43	ug/l	98
51) 4-Methyl-2-Pentanone	8.66	43	395374	115.45	ug/l	98
52) Toluene	8.79	92	99096	22.43	ug/l	97
53) t-1,3-Dichloropropene	8.44	75	58500	22.60	ug/l	96
54) cis-1,3-Dichloropropene	9.05	75	59512	23.70	ug/l	98
55) 1,1,2-Trichloroethane	9.23	97	42460	23.37	ug/l	98
56) Ethyl methacrylate	9.19	69	62195	22.59	ug/l	98
57) 1,3-Dichloropropane	9.38	76	68674	23.63	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.32	63	140103	106.04	ug/l	99
59) 2-Hexanone	9.51	43	338209	116.31	ug/l	98
60) Dibromochloromethane	9.59	129	43178	22.55	ug/l	98
61) 1,2-Dibromoethane	9.68	107	45905	23.56	ug/l	98
64) Tetrachloroethene	9.34	164	40724	21.46	ug/l	92
65) Chlorobenzene	10.15	112	115792	21.28	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	40607	21.97	ug/l	99
67) Ethyl Benzene	10.26	91	201610	21.86	ug/l	98
68) m/p-Xylenes	10.37	106	158584	43.69	ug/l	99
69) o-Xylene	10.71	106	75521	21.49	ug/l	98
70) Styrene	10.72	104	125032	21.50	ug/l	100
71) Bromoform	10.87	173	33821	20.66	ug/l #	97
73) Isopropylbenzene	11.02	105	206366	22.20	ug/l	100
74) N-amyl acetate	6.48	43	97862	22.33	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	74864	22.77	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	70219m	23.29	ug/l	
77) Bromobenzene	11.26	156	53654	21.67	ug/l	98
78) n-propylbenzene	11.37	91	249751	22.53	ug/l	98
79) 2-Chlorotoluene	11.43	91	137350	21.45	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	172976	22.13	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.09	75	19930	21.40	ug/l	91
82) 4-Chlorotoluene	11.52	91	168611	22.05	ug/l	99
83) tert-Butylbenzene	11.78	119	172480	21.88	ug/l	99
84) 1,2,4-Trimethylbenzene	11.82	105	181374	22.13	ug/l	100
85) sec-Butylbenzene	11.96	105	216216	22.17	ug/l	100
86) p-Isopropyltoluene	12.07	119	194682	22.47	ug/l	99
87) 1,3-Dichlorobenzene	12.04	146	99619	21.28	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	105702	21.50	ug/l	98
89) n-Butylbenzene	12.40	91	183976	22.81	ug/l	99
90) Hexachloroethane	12.60	117	29430	21.58	ug/l	96
91) 1,2-Dichlorobenzene	12.40	146	100858	21.97	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	20548	22.41	ug/l	96

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX032718\
Data File : VX000459.D
Acq On : 27 Mar 2018 15:21
Operator : JC/MD
Sample : VX0327WBS01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0327WBS01

Manual Integrations
APPROVED

MMDadoda
3/28/2018 11:41:55 AM

Quant Time: Mar 28 07:23:17 2018
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X032018W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 21 04:52:42 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	73838	22.44	ug/l	98
94) Hexachlorobutadiene	13.79	225	32330	23.73	ug/l	98
95) Naphthalene	13.84	128	263373	22.98	ug/l	99
96) 1,2,3-Trichlorobenzene	14.03	180	77106	23.71	ug/l	98

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

