

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU101118\
 Data File : VU027593.D
 Acq On : 11 Oct 2018 13:00
 Operator : MD/SY
 Sample : J5164-09 0.5ppb
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-03-QT4-2018

Manual Integrations
 APPROVED

MMDadoda
 10/16/2018 2:22:58 PM

Quant Time: Oct 12 02:19:23 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U101118W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 11 10:41:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	116317	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	198788	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	175144	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	73803	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	90150	50.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.14%	
35) Dibromofluoromethane	4.88	113	64842	49.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.60%	
50) Toluene-d8	7.57	98	234149	46.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.50%	
62) 4-Bromofluorobenzene	10.31	95	76094	42.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.26%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.21	85	646	0.51	ug/l	97
3) Chloromethane	1.33	50	964	0.49	ug/l	100
4) Vinyl Chloride	1.40	62	852	0.46	ug/l	99
5) Bromomethane	1.63	94	706	0.70	ug/l #	72
7) Trichlorofluoromethane	1.89	101	986	0.47	ug/l #	76
8) Diethyl Ether	2.11	74	393	0.42	ug/l	72
9) 1,1,2-Trichlorotrifluoroet	2.29	101	514	0.42	ug/l #	88
10) Methyl Iodide	2.41	142	277	3.53	ug/l #	56
12) 1,1-Dichloroethene	2.29	96	575	0.48	ug/l	87
13) Acrolein	2.20	56	874	2.51	ug/l	97
14) Allyl chloride	2.59	41	1772	0.61	ug/l #	76
15) Acrylonitrile	2.95	53	2179	2.09	ug/l	95
16) Acetone	2.32	43	2979	2.71	ug/l	100
17) Carbon Disulfide	2.48	76	2600	0.64	ug/l #	91
18) Methyl Acetate	2.62	43	1303	0.47	ug/l #	90
19) Methyl tert-butyl Ether	3.01	73	2102	0.46	ug/l	94
20) Methylene Chloride	2.70	84	769	0.49	ug/l	90
21) trans-1,2-Dichloroethene	2.99	96	649	0.49	ug/l	88
22) Diisopropyl ether	3.58	45	2484	0.45	ug/l #	70
23) Vinyl Acetate	3.54	43	10523	2.24	ug/l	99
25) 2-Butanone	4.29	43	3490	2.24	ug/l	93
26) 2,2-Dichloropropane	4.24	77	1205m	0.51	ug/l	
27) cis-1,2-Dichloroethene	4.23	96	571	0.39	ug/l	56
28) Bromochloromethane	4.55	49	630	0.43	ug/l #	94
29) Tetrahydrofuran	4.65	42	2140	2.19	ug/l #	85
30) Chloroform	4.67	83	1265m	0.48	ug/l	
32) 1,1,1-Trichloroethane	4.92	97	1020	0.46	ug/l #	52
36) 1,1-Dichloropropene	5.14	75	929	0.46	ug/l #	87
38) Carbon Tetrachloride	5.14	117	1018	0.55	ug/l #	66
39) Methylcyclohexane	6.42	83	1105	0.49	ug/l #	85
40) Benzene	5.40	78	2876	0.47	ug/l	95
41) Methacrylonitrile	4.57	41	370m	0.83	ug/l	
43) Isopropyl Acetate	5.56	43	1729	0.41	ug/l #	77
44) Trichloroethene	6.19	130	582	0.43	ug/l	85

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU101118\
 Data File : VU027593.D
 Acq On : 11 Oct 2018 13:00
 Operator : MD/SY
 Sample : J5164-09 0.5ppb
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-03-QT4-2018

Manual Integrations
 APPROVED

MMDadoda
 10/16/2018 2:22:58 PM

Quant Time: Oct 12 02:19:23 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U101118W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 11 10:41:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,2-Dichloropropane	6.44	63	753	0.43	ug/l	91
46) Dibromomethane	6.57	93	353	0.35	ug/l #	72
47) Bromodichloromethane	6.76	83	847	0.41	ug/l #	97
48) Methyl methacrylate	6.64	41	681	1.78	ug/l #	81
51) 4-Methyl-2-Pentanone	7.47	43	5685	2.02	ug/l	97
52) Toluene	7.64	92	1488	0.43	ug/l	83
53) t-1,3-Dichloropropene	7.89	75	1019	0.43	ug/l #	80
54) cis-1,3-Dichloropropene	7.28	75	1009	0.40	ug/l #	95
55) 1,1,2-Trichloroethane	8.07	97	651	0.45	ug/l #	86
56) Ethyl methacrylate	8.03	69	715	2.43	ug/l	96
57) 1,3-Dichloropropane	8.25	76	1118	0.41	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.13	63	2189	7.01	ug/l	91
59) 2-Hexanone	8.37	43	3778	1.72	ug/l	96
60) Dibromochloromethane	8.48	129	529	0.37	ug/l	94
61) 1,2-Dibromoethane	8.59	107	607	0.40	ug/l	96
64) Tetrachloroethene	8.23	164	493	0.45	ug/l #	82
65) Chlorobenzene	9.12	112	1767	0.49	ug/l	93
66) 1,1,1,2-Tetrachloroethane	9.21	131	518	0.42	ug/l #	62
67) Ethyl Benzene	9.25	91	2780	0.45	ug/l	99
68) m/p-Xylenes	9.38	106	1892	0.83	ug/l	93
69) o-Xylene	9.79	106	911	0.41	ug/l	93
70) Styrene	9.80	104	1382	1.59	ug/l	90
71) Bromoform	9.96	173	461	0.45	ug/l #	54
73) Isopropylbenzene	10.17	105	2223	0.45	ug/l	99
74) N-amyl acetate	10.02	43	1112	0.38	ug/l #	78
75) 1,1,2,2-Tetrachloroethane	10.46	83	1046	0.49	ug/l #	90
76) 1,2,3-Trichloropropane	10.50	75	1230	0.58	ug/l	82
77) Bromobenzene	10.46	156	626	0.51	ug/l	81
78) n-propylbenzene	10.59	91	2902	0.48	ug/l	88
79) 2-Chlorotoluene	10.66	91	1986	0.54	ug/l	90
80) 1,3,5-Trimethylbenzene	10.77	105	1835	0.20	ug/l	91
81) trans-1,4-Dichloro-2-buten	10.50	75	1230	0.68	ug/l #	100
82) 4-Chlorotoluene	10.77	91	2039	0.49	ug/l	98
83) tert-Butylbenzene	11.10	119	1893	0.47	ug/l	97
84) 1,2,4-Trimethylbenzene	11.15	105	1907	0.41	ug/l	95
85) sec-Butylbenzene	11.33	105	2087	0.68	ug/l	96
86) p-Isopropyltoluene	11.48	119	1654	0.83	ug/l	89
87) 1,3-Dichlorobenzene	11.42	146	1277	0.57	ug/l	88
88) 1,4-Dichlorobenzene	11.51	146	1583m	0.66	ug/l	
89) n-Butylbenzene	11.89	91	1261	1.83	ug/l	94
90) Hexachloroethane	12.15	117	362	0.44	ug/l	98
91) 1,2-Dichlorobenzene	11.88	146	1189	0.52	ug/l	92
93) 1,2,4-Trichlorobenzene	13.52	180	472	1.93	ug/l #	85
94) Hexachlorobutadiene	13.70	225	289	0.40	ug/l #	68
96) 1,2,3-Trichlorobenzene	14.00	180	477	0.32	ug/l #	69

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

