

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU090219\
 Data File : VU034157.D
 Acq On : 01 Sep 2019 05:38
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/3/2019 11:43:39 AM

Quant Time: Sep 01 06:11:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U082919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 29 04:11:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.96	168	403375	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	652121	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	634034	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	347876	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.29	65	256862	49.70	ug/l	0.00
Spiked Amount 50.000			Recovery =	99.40%		
35) Dibromofluoromethane	4.86	113	214811	47.49	ug/l	0.00
Spiked Amount 50.000			Recovery =	94.98%		
50) Toluene-d8	7.55	98	841967	49.71	ug/l	0.00
Spiked Amount 50.000			Recovery =	99.42%		
62) 4-Bromofluorobenzene	10.29	95	322732	48.99	ug/l	0.00
Spiked Amount 50.000			Recovery =	97.98%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	197667	48.725	ug/l	99
3) Chloromethane	1.32	50	244910	44.995	ug/l	99
4) Vinyl Chloride	1.40	62	264345	48.958	ug/l	100
5) Bromomethane	1.61	94	137822	53.427	ug/l	97
6) Chloroethane	1.69	64	157229	47.631	ug/l	98
7) Trichlorofluoromethane	1.87	101	310174	49.578	ug/l	100
8) Diethyl Ether	2.09	74	136160	50.875	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.27	101	192958	48.685	ug/l	99
10) Methyl Iodide	2.40	142	172249	30.637	ug/l	98
11) Tert butyl alcohol	2.81	59	273124	229.149	ug/l	100
12) 1,1-Dichloroethene	2.27	96	204530	50.649	ug/l	99
13) Acrolein	2.18	56	87560	174.630	ug/l	100
14) Allyl chloride	2.58	41	362437m	47.736	ug/l	
15) Acrylonitrile	2.92	53	716557	261.990	ug/l	100
16) Acetone	2.31	43	588846	223.280	ug/l	98
17) Carbon Disulfide	2.46	76	572244	44.774	ug/l	99
18) Methyl Acetate	2.60	43	338159	49.619	ug/l	100
19) Methyl tert-butyl Ether	2.98	73	706143	53.370	ug/l	99
20) Methylene Chloride	2.68	84	246047	49.282	ug/l	99
21) trans-1,2-Dichloroethene	2.96	96	219175	50.010	ug/l	99
22) Diisopropyl ether	3.55	45	739990	53.189	ug/l	98
23) Vinyl Acetate	3.50	43	3103813	259.704	ug/l	100
24) 1,1-Dichloroethane	3.42	63	422933	51.490	ug/l	100
25) 2-Butanone	4.23	43	938128	255.682	ug/l	99
26) 2,2-Dichloropropane	4.20	77	225782	33.782	ug/l	96
27) cis-1,2-Dichloroethene	4.20	96	252569	51.344	ug/l	96
28) Bromochloromethane	4.52	49	210892	52.113	ug/l	98
29) Tetrahydrofuran	4.61	42	611731	270.350	ug/l	99
30) Chloroform	4.65	83	408959	49.902	ug/l	98
31) Cyclohexane	4.97	56	360509	46.709	ug/l	99
32) 1,1,1-Trichloroethane	4.89	97	338988	50.505	ug/l	100
36) 1,1-Dichloropropene	5.12	75	302294	49.008	ug/l	100
37) Ethyl Acetate	4.36	43	345351	49.998	ug/l	99
38) Carbon Tetrachloride	5.11	117	290767	48.836	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU090219\
 Data File : VU034157.D
 Acq On : 01 Sep 2019 05:38
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/3/2019 11:43:39 AM

Quant Time: Sep 01 06:11:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U082919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 29 04:11:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.40	83	337910	46.480	ug/l	98
40) Benzene	5.37	78	932591	49.972	ug/l	100
41) Methacrylonitrile	4.52	41	187822	53.020	ug/l	99
42) 1,2-Dichloroethane	5.38	62	318967	49.495	ug/l	99
43) Isopropyl Acetate	5.53	43	528794	50.321	ug/l	99
44) Trichloroethene	6.16	130	254233	51.877	ug/l	98
45) 1,2-Dichloropropane	6.41	63	261881	50.977	ug/l	99
46) Dibromomethane	6.54	93	166241	50.228	ug/l	99
47) Bromodichloromethane	6.74	83	327667	50.602	ug/l	99
48) Methyl methacrylate	6.60	41	256814	50.645	ug/l	98
49) 1,4-Dioxane	6.59	88	105557	830.807	ug/l	99
51) 4-Methyl-2-Pentanone	7.44	43	1811088	249.558	ug/l	100
52) Toluene	7.62	92	591741	51.472	ug/l	100
53) t-1,3-Dichloropropene	7.86	75	330008	45.930	ug/l	98
54) cis-1,3-Dichloropropene	7.25	75	374976	47.769	ug/l	98
55) 1,1,2-Trichloroethane	8.05	97	245608	50.507	ug/l	99
56) Ethyl methacrylate	8.00	69	367045	45.592	ug/l	99
57) 1,3-Dichloropropane	8.22	76	415861	50.366	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.11	63	620617	230.690	ug/l	100
59) 2-Hexanone	8.34	43	1362685	248.732	ug/l	100
60) Dibromochloromethane	8.46	129	259370	49.688	ug/l	98
61) 1,2-Dibromoethane	8.57	107	250421	48.886	ug/l	99
64) Tetrachloroethene	8.21	164	226042	53.087	ug/l	98
65) Chlorobenzene	9.10	112	646609	49.557	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.19	131	228504	48.297	ug/l	99
67) Ethyl Benzene	9.23	91	1123358	50.790	ug/l	99
68) m/p-Xylenes	9.35	106	861870	102.481	ug/l	99
69) o-Xylene	9.76	106	409756	50.785	ug/l	99
70) Styrene	9.77	104	734553	53.096	ug/l	100
71) Bromoform	9.94	173	196550	47.814	ug/l #	99
73) Isopropylbenzene	10.15	105	1109442	47.480	ug/l	100
74) N-amyl acetate	9.99	43	474387	48.270	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.44	83	404051	45.178	ug/l	100
76) 1,2,3-Trichloropropane	10.47	75	355307m	45.317	ug/l	
77) Bromobenzene	10.43	156	290811	46.266	ug/l	97
78) n-propylbenzene	10.57	91	1308782	48.095	ug/l	99
79) 2-Chlorotoluene	10.64	91	772877	47.351	ug/l	100
80) 1,3,5-Trimethylbenzene	10.75	105	962163	48.583	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.49	75	75627m	32.479	ug/l	
82) 4-Chlorotoluene	10.75	91	905859	48.256	ug/l	100
83) tert-Butylbenzene	11.08	119	898262	46.073	ug/l	98
84) 1,2,4-Trimethylbenzene	11.13	105	969742	49.311	ug/l	99
85) sec-Butylbenzene	11.30	105	1100104	47.079	ug/l	99
86) p-Isopropyltoluene	11.46	119	1011644	47.869	ug/l	99
87) 1,3-Dichlorobenzene	11.40	146	533624	47.953	ug/l	100
88) 1,4-Dichlorobenzene	11.49	146	537113	47.727	ug/l	100
89) n-Butylbenzene	11.87	91	891051	47.822	ug/l	99
90) Hexachloroethane	12.12	117	147450	40.354	ug/l	99
91) 1,2-Dichlorobenzene	11.86	146	517721	48.568	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.64	75	81598	45.797	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU090219\
Data File : VU034157.D
Acq On : 01 Sep 2019 05:38
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 50 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

MMDadoda
9/3/2019 11:43:39 AM

Quant Time: Sep 01 06:11:13 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U082919W.M
Quant Title : SW846 8260
QLast Update : Thu Aug 29 04:11:12 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.48	180	347798	45.963	ug/l	99
94) Hexachlorobutadiene	13.67	225	167726	40.222	ug/l	98
95) Naphthalene	13.72	128	1018100	46.999	ug/l	100
96) 1,2,3-Trichlorobenzene	13.97	180	346326	50.718	ug/l	100

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

