

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU090319\
 Data File : VU034187.D
 Acq On : 02 Sep 2019 09:13
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/3/2019 1:09:24 PM

Quant Time: Sep 03 06:00:10 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	391548	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	587624	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	571835	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	318543	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.29	65	244576	48.75	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.50%	
35) Dibromofluoromethane	4.86	113	209385	51.37	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.74%	
50) Toluene-d8	7.55	98	811265	53.16	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.32%	
62) 4-Bromofluorobenzene	10.29	95	308021	51.89	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.78%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.20	85	200307	50.867	ug/l	100
3) Chloromethane	1.32	50	237589	44.967	ug/l	99
4) Vinyl Chloride	1.40	62	249753	47.653	ug/l	99
5) Bromomethane	1.61	94	129587	51.546	ug/l	99
6) Chloroethane	1.69	64	150333	46.918	ug/l	99
7) Trichlorofluoromethane	1.87	101	304112	50.077	ug/l	99
8) Diethyl Ether	2.09	74	132288	50.921	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.28	101	198863	51.691	ug/l	99
10) Methyl Iodide	2.40	142	165592	30.343	ug/l	99
11) Tert butyl alcohol	2.81	59	255409	220.759	ug/l	100
12) 1,1-Dichloroethene	2.27	96	193045	49.249	ug/l	99
13) Acrolein	2.18	56	75069	154.240	ug/l	99
14) Allyl chloride	2.58	41	355395m	48.223	ug/l	
15) Acrylonitrile	2.92	53	674655	254.120	ug/l	100
16) Acetone	2.31	43	766971	299.606	ug/l	99
17) Carbon Disulfide	2.46	76	544074	43.856	ug/l	99
18) Methyl Acetate	2.60	43	315080	47.629	ug/l	100
19) Methyl tert-butyl Ether	2.98	73	659575	51.356	ug/l	99
20) Methylene Chloride	2.69	84	233796	48.243	ug/l	98
21) trans-1,2-Dichloroethene	2.96	96	208795	49.081	ug/l	98
22) Diisopropyl ether	3.55	45	701220	51.924	ug/l	98
23) Vinyl Acetate	3.50	43	2976116	256.541	ug/l	99
24) 1,1-Dichloroethane	3.42	63	403469	50.604	ug/l	100
25) 2-Butanone	4.23	43	969522	272.220	ug/l	99
26) 2,2-Dichloropropane	4.20	77	326114	50.267	ug/l	99
27) cis-1,2-Dichloroethene	4.20	96	235737	49.370	ug/l	100
28) Bromochloromethane	4.52	49	200533	51.050	ug/l	99
29) Tetrahydrofuran	4.61	42	557282	253.726	ug/l	98
30) Chloroform	4.65	83	389585	48.974	ug/l	99
31) Cyclohexane	4.97	56	346530	46.254	ug/l	99
32) 1,1,1-Trichloroethane	4.89	97	323907	49.716	ug/l	99
36) 1,1-Dichloropropene	5.11	75	284448	51.176	ug/l	99
37) Ethyl Acetate	4.36	43	320424	51.481	ug/l	100
38) Carbon Tetrachloride	5.11	117	278195	51.853	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU090319\
 Data File : VU034187.D
 Acq On : 02 Sep 2019 09:13
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleID :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/3/2019 1:09:24 PM

Quant Time: Sep 03 06:00:10 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	339213	51.780	ug/l	99
40) Benzene	5.37	78	876063	52.095	ug/l	100
41) Methacrylonitrile	4.52	41	172101	53.915	ug/l	98
42) 1,2-Dichloroethane	5.38	62	301972	52.001	ug/l	99
43) Isopropyl Acetate	5.53	43	487639	51.498	ug/l	99
44) Trichloroethene	6.16	130	232946	52.750	ug/l	99
45) 1,2-Dichloropropane	6.41	63	246565	53.263	ug/l	100
46) Dibromomethane	6.54	93	158688	53.208	ug/l	99
47) Bromodichloromethane	6.74	83	310886	53.280	ug/l	99
48) Methyl methacrylate	6.60	41	236764	51.816	ug/l	98
49) 1,4-Dioxane	6.59	88	111948	977.819	ug/l	100
51) 4-Methyl-2-Pentanone	7.44	43	1674162	256.010	ug/l	99
52) Toluene	7.62	92	558703	53.932	ug/l	99
53) t-1,3-Dichloropropene	7.86	75	339196	52.390	ug/l	100
54) cis-1,3-Dichloropropene	7.25	75	379174	53.606	ug/l	98
55) 1,1,2-Trichloroethane	8.04	97	229228	52.313	ug/l	99
56) Ethyl methacrylate	8.00	69	342206	47.138	ug/l	99
57) 1,3-Dichloropropane	8.22	76	391729	52.650	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.11	63	576776	237.925	ug/l	99
59) 2-Hexanone	8.34	43	1345419	272.535	ug/l	100
60) Dibromochloromethane	8.46	129	250992	53.361	ug/l	99
61) 1,2-Dibromoethane	8.57	107	238977	51.773	ug/l	99
64) Tetrachloroethene	8.21	164	207327	53.988	ug/l	98
65) Chlorobenzene	9.10	112	611168	51.936	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.19	131	218461	51.196	ug/l	99
67) Ethyl Benzene	9.23	91	1057593	53.018	ug/l	99
68) m/p-Xylenes	9.35	106	831564	109.633	ug/l	100
69) o-Xylene	9.76	106	387780	53.289	ug/l	98
70) Styrene	9.77	104	703063	56.347	ug/l	100
71) Bromoform	9.94	173	192912	52.034	ug/l #	99
73) Isopropylbenzene	10.15	105	1075782	50.279	ug/l	100
74) N-amyl acetate	10.00	43	446220	49.585	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.44	83	388996	47.500	ug/l	100
76) 1,2,3-Trichloropropane	10.48	75	324311m	45.172	ug/l	
77) Bromobenzene	10.43	156	280411	48.719	ug/l	99
78) n-propylbenzene	10.57	91	1281911	51.445	ug/l	99
79) 2-Chlorotoluene	10.64	91	755135	50.524	ug/l	99
80) 1,3,5-Trimethylbenzene	10.75	105	939485	51.806	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.49	75	88379m	41.451	ug/l	
82) 4-Chlorotoluene	10.75	91	884442	51.454	ug/l	100
83) tert-Butylbenzene	11.08	119	886049	49.632	ug/l	99
84) 1,2,4-Trimethylbenzene	11.13	105	949496	52.728	ug/l	100
85) sec-Butylbenzene	11.31	105	1091432	51.009	ug/l	100
86) p-Isopropyltoluene	11.46	119	1016684	52.537	ug/l	100
87) 1,3-Dichlorobenzene	11.40	146	523577	51.383	ug/l	100
88) 1,4-Dichlorobenzene	11.49	146	527102	51.150	ug/l	100
89) n-Butylbenzene	11.87	91	931045	54.570	ug/l	100
90) Hexachloroethane	12.13	117	152462	45.568	ug/l	100
91) 1,2-Dichlorobenzene	11.86	146	505461	51.784	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.64	75	80177	49.143	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU090319\
Data File : VU034187.D
Acq On : 02 Sep 2019 09:13
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

MMDadoda
9/3/2019 1:09:24 PM

Quant Time: Sep 03 06:00:10 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	13.49	180	355992	51.246	ug/l	99
94) Hexachlorobutadiene	13.67	225	174008	45.571	ug/l	99
95) Naphthalene	13.72	128	955854	48.143	ug/l	100
96) 1,2,3-Trichlorobenzene	13.97	180	343379	54.917	ug/l	99

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

