

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU021721\
 Data File : VU042336.D
 Acq On : 17 Feb 2021 20:12
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05018EC

Manual Integrations
 APPROVED

MMDadoda
 2/19/2021 2:41:53 PM

Quant Time: Feb 18 03:51:15 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U021721W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 18 03:48:34 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.382	168	136368	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.256	114	211660	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.423	117	198100	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.819	152	109769	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.710	65	104936	50.74	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.48%	
35) Dibromofluoromethane	5.298	113	74784	50.06	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.12%	
50) Toluene-d8	7.906	98	268097	50.11	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.22%	
62) 4-Bromofluorobenzene	10.639	95	103273	48.97	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.94%	
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.388	85	83421	50.73	ug/l	99
3) Chloromethane	1.523	50	82276	48.98	ug/l	97
4) Vinyl Chloride	1.607	62	80073	49.80	ug/l	100
5) Bromomethane	1.855	94	38874	39.24	ug/l	96
6) Chloroethane	1.932	64	49964	53.95	ug/l	95
7) Trichlorofluoromethane	2.141	101	126245	51.18	ug/l	98
8) Diethyl Ether	2.382	74	39737	50.66	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.588	101	64860	50.36	ug/l	98
10) Methyl Iodide	2.729	142	92809	50.45	ug/l	99
11) Tert butyl alcohol	3.205	59	124129	280.95	ug/l #	88
12) 1,1-Dichloroethene	2.588	96	62369	49.61	ug/l	98
13) Acrolein	2.491	56	58619	227.59	ug/l	100
14) Allyl chloride	2.928	41	142702	51.25	ug/l	99
15) Acrylonitrile	3.321	53	266975	250.20	ug/l	100
16) Acetone	2.636	43	255122	198.88	ug/l	99
17) Carbon Disulfide	2.800	76	184833	48.88	ug/l	99
18) Methyl Acetate	2.954	43	118907	51.04	ug/l	99
19) Methyl tert-butyl Ether	3.372	73	243689	51.19	ug/l	98
20) Methylene Chloride	3.054	84	72708	49.16	ug/l	100
21) trans-1,2-Dichloroethene	3.359	96	70240	52.12	ug/l	97
22) Diisopropyl ether	4.002	45	274991	52.00	ug/l	94
23) Vinyl Acetate	3.964	43	1319350	262.62	ug/l	100
24) 1,1-Dichloroethane	3.880	63	140424	51.18	ug/l	100
25) 2-Butanone	4.713	43	413640	242.52	ug/l	99
26) 2,2-Dichloropropane	4.674	77	121726	48.89	ug/l	99
27) cis-1,2-Dichloroethene	4.678	96	81146	51.98	ug/l	99
28) Bromochloromethane	4.983	49	73555	51.88	ug/l	99
29) Tetrahydrofuran	5.057	42	265705	250.60	ug/l	99
30) Chloroform	5.099	83	143247	51.34	ug/l	95
31) Cyclohexane	5.398	56	130268	48.10	ug/l	100
32) 1,1,1-Trichloroethane	5.324	97	131005	51.58	ug/l	99
36) 1,1-Dichloropropene	5.536	75	105047	50.19	ug/l	98
37) Ethyl Acetate	4.813	43	156916	48.23	ug/l	99
38) Carbon Tetrachloride	5.533	117	114131	51.02	ug/l	99
39) Methylcyclohexane	6.771	83	119634	49.42	ug/l	99
40) Benzene	5.784	78	296978	50.48	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU021721\
 Data File : VU042336.D
 Acq On : 17 Feb 2021 20:12
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05018EC

Manual Integrations
 APPROVED

MMDadoda
 2/19/2021 2:41:53 PM

Quant Time: Feb 18 03:51:15 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U021721W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 18 03:48:34 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.983	41	86218	51.43	ug/l	99
42) 1,2-Dichloroethane	5.803	62	130206	50.77	ug/l	100
43) Isopropyl Acetate	5.919	43	239403	50.07	ug/l	99
44) Trichloroethene	6.552	130	78839	50.32	ug/l	99
45) 1,2-Dichloropropane	6.800	63	82215	50.37	ug/l	97
46) Dibromomethane	6.925	93	57679	50.66	ug/l	98
47) Bromodichloromethane	7.115	83	115441	51.70	ug/l	100
48) Methyl methacrylate	6.967	41	120371	50.90	ug/l	99
49) 1,4-Dioxane	6.993	88	47549	1046.84	ug/l #	99
51) 4-Methyl-2-Pentanone	7.800	43	801639	247.71	ug/l	100
52) Toluene	7.976	92	182095	50.17	ug/l	97
53) t-1,3-Dichloropropene	8.218	75	126348	51.51	ug/l	98
54) cis-1,3-Dichloropropene	7.616	75	131402	50.39	ug/l	97
55) 1,1,2-Trichloroethane	8.407	97	77759	51.61	ug/l	99
56) Ethyl methacrylate	8.340	69	129173	50.01	ug/l	100
57) 1,3-Dichloropropane	8.584	76	134535	51.08	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.472	63	222586	219.08	ug/l	99
59) 2-Hexanone	8.694	43	644245	249.16	ug/l	99
60) Dibromochloromethane	8.819	129	90532	51.51	ug/l	98
61) 1,2-Dibromoethane	8.931	107	86432	50.44	ug/l	99
64) Tetrachloroethene	8.562	164	73350	49.13	ug/l	99
65) Chlorobenzene	9.456	112	195490	49.31	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.542	131	78343	51.78	ug/l	99
67) Ethyl Benzene	9.578	91	364561	51.05	ug/l	100
68) m/p-Xylenes	9.700	106	265675	100.57	ug/l	99
69) o-Xylene	10.108	106	130963	50.68	ug/l	100
70) Styrene	10.121	104	222336	51.65	ug/l	99
71) Bromoform	10.298	173	75982	52.12	ug/l #	98
73) Isopropylbenzene	10.491	105	357408	48.81	ug/l	99
74) N-amyl acetate	10.327	43	213835	51.14	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.790	83	137763	49.49	ug/l	98
76) 1,2,3-Trichloropropane	10.832	75	132257m	48.73	ug/l	
77) Bromobenzene	10.790	156	95355	48.67	ug/l	100
78) n-propylbenzene	10.912	91	421247	49.70	ug/l	100
79) 2-Chlorotoluene	10.992	91	250020	48.24	ug/l	100
80) 1,3,5-Trimethylbenzene	11.095	105	310608	49.38	ug/l	100
81) trans-1,4-Dichloro-2-b...	10.555	75	46275	46.35	ug/l	97
82) 4-Chlorotoluene	11.102	91	294494	48.82	ug/l	100
83) tert-Butylbenzene	11.430	119	304845	50.08	ug/l	100
84) 1,2,4-Trimethylbenzene	11.475	105	312648	49.67	ug/l	100
85) sec-Butylbenzene	11.652	105	354810	49.48	ug/l	100
86) p-Isopropyltoluene	11.799	119	331680	50.10	ug/l	99
87) 1,3-Dichlorobenzene	11.751	146	167530	49.50	ug/l	100
88) 1,4-Dichlorobenzene	11.845	146	169945	49.07	ug/l	99
89) n-Butylbenzene	12.214	91	290749	49.99	ug/l	100
90) Hexachloroethane	12.484	117	59986	51.10	ug/l	100
91) 1,2-Dichlorobenzene	12.221	146	171922	49.89	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	13.005	75	39699	52.02	ug/l	98
93) 1,2,4-Trichlorobenzene	13.848	180	116175	54.20	ug/l	99
94) Hexachlorobutadiene	14.028	225	61365	51.04	ug/l	99
95) Naphthalene	14.095	128	356773	48.58	ug/l	100
96) 1,2,3-Trichlorobenzene	14.336	180	115503	55.03	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU021721\
Data File : VU042336.D
Acq On : 17 Feb 2021 20:12
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05018EC

Manual Integrations
APPROVED

MMDadoda
2/19/2021 2:41:53 PM

Quant Time: Feb 18 03:51:15 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U021721W.M
Quant Title : SW846 8260
QLast Update : Thu Feb 18 03:48:34 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
----------	------	------	----------	------	-------	----------

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

