

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU010519\
 Data File : VU029044.D
 Acq On : 04 Jan 2019 21:56
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 1/7/2019 12:49:06 PM

Quant Time: Jan 05 04:54:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U010319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 04 02:22:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	123766	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	206260	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	192612	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	97848	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	77842	50.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.76%	
35) Dibromofluoromethane	4.88	113	65477	48.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.94%	
50) Toluene-d8	7.56	98	261518	49.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.08%	
62) 4-Bromofluorobenzene	10.30	95	92887	48.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.94%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	59168	48.206	ug/l	99
3) Chloromethane	1.33	50	93889	47.896	ug/l	99
4) Vinyl Chloride	1.40	62	90697	50.143	ug/l	99
5) Bromomethane	1.61	94	48781	52.615	ug/l	99
6) Chloroethane	1.68	64	53164	49.345	ug/l	100
7) Trichlorofluoromethane	1.88	101	98051	49.748	ug/l	99
8) Diethyl Ether	2.10	74	48060	50.755	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.28	101	63271	47.978	ug/l	99
10) Methyl Iodide	2.40	142	73644	59.390	ug/l	99
11) Tert butyl alcohol	2.83	59	100769	259.112	ug/l	99
12) 1,1-Dichloroethene	2.28	96	64846	50.518	ug/l	98
13) Acrolein	2.19	56	66442	227.523	ug/l	99
14) Allyl chloride	2.59	41	109562	46.519	ug/l	92
15) Acrylonitrile	2.93	53	253395	265.583	ug/l	99
16) Acetone	2.32	43	196568	203.944	ug/l	99
17) Carbon Disulfide	2.47	76	205593	48.349	ug/l	99
18) Methyl Acetate	2.61	43	118578	52.911	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	228937	50.729	ug/l	98
20) Methylene Chloride	2.70	84	80230	49.027	ug/l	98
21) trans-1,2-Dichloroethene	2.98	96	71757	48.116	ug/l	96
22) Diisopropyl ether	3.57	45	242396	52.074	ug/l	99
23) Vinyl Acetate	3.52	43	1002054	263.327	ug/l	100
24) 1,1-Dichloroethane	3.44	63	137401	51.133	ug/l	99
25) 2-Butanone	4.26	43	333797	256.412	ug/l	99
26) 2,2-Dichloropropane	4.22	77	97130	44.735	ug/l	97
27) cis-1,2-Dichloroethene	4.22	96	83210	51.014	ug/l	98
28) Bromochloromethane	4.55	49	58294	50.663	ug/l	99
29) Tetrahydrofuran	4.64	42	215437	272.857	ug/l	100
30) Chloroform	4.67	83	132560	51.793	ug/l	99
31) Cyclohexane	4.99	56	127747	50.370	ug/l	99
32) 1,1,1-Trichloroethane	4.91	97	108131	51.131	ug/l	99
36) 1,1-Dichloropropene	5.13	75	99681	48.350	ug/l	100
37) Ethyl Acetate	4.38	43	118954	52.565	ug/l	100
38) Carbon Tetrachloride	5.13	117	86337	50.210	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU010519\
 Data File : VU029044.D
 Acq On : 04 Jan 2019 21:56
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 1/7/2019 12:49:06 PM

Quant Time: Jan 05 04:54:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U010319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 04 02:22:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	121834	48.069	ug/l	100
40) Benzene	5.39	78	317513	49.373	ug/l	100
41) Methacrylonitrile	4.54	41	66063	54.537	ug/l	99
42) 1,2-Dichloroethane	5.40	62	99289	51.381	ug/l	100
43) Isopropyl Acetate	5.55	43	184351	53.105	ug/l	100
44) Trichloroethene	6.18	130	77519	48.650	ug/l	100
45) 1,2-Dichloropropane	6.43	63	86594	50.990	ug/l	100
46) Dibromomethane	6.56	93	54700	50.385	ug/l	99
47) Bromodichloromethane	6.76	83	101538	50.799	ug/l	98
48) Methyl methacrylate	6.62	41	93939	55.574	ug/l	100
49) 1,4-Dioxane	6.61	88	44164	1102.493	ug/l	96
51) 4-Methyl-2-Pentanone	7.46	43	630786	266.997	ug/l	100
52) Toluene	7.64	92	197228	50.378	ug/l	98
53) t-1,3-Dichloropropene	7.88	75	117256	48.833	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	128001	49.334	ug/l	99
55) 1,1,2-Trichloroethane	8.06	97	78897	50.305	ug/l	97
56) Ethyl methacrylate	8.02	69	126574	52.384	ug/l	98
57) 1,3-Dichloropropane	8.24	76	136702	50.938	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.12	63	288889	271.862	ug/l	100
59) 2-Hexanone	8.36	43	491345	264.949	ug/l	100
60) Dibromochloromethane	8.48	129	78473	50.503	ug/l	99
61) 1,2-Dibromoethane	8.58	107	85566	50.303	ug/l	100
64) Tetrachloroethene	8.22	164	71502	51.533	ug/l	98
65) Chlorobenzene	9.12	112	210094	48.661	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	71218	50.829	ug/l	98
67) Ethyl Benzene	9.25	91	367169	50.937	ug/l	100
68) m/p-Xylenes	9.37	106	283874	101.356	ug/l	100
69) o-Xylene	9.78	106	138856	51.454	ug/l	100
70) Styrene	9.79	104	229410	51.856	ug/l	100
71) Bromoform	9.95	173	63265	50.711	ug/l #	99
73) Isopropylbenzene	10.16	105	358802	49.541	ug/l	99
74) N-amyl acetate	10.01	43	161979	51.902	ug/l	100
75) 1,1,2,2-Tetrachloroethane	10.46	83	142611	49.131	ug/l	100
76) 1,2,3-Trichloropropane	10.49	75	122288m	51.008	ug/l	
77) Bromobenzene	10.45	156	92735	49.134	ug/l	99
78) n-propylbenzene	10.58	91	434703	50.931	ug/l	100
79) 2-Chlorotoluene	10.66	91	252778	48.822	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	302939	50.089	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	41497m	44.641	ug/l	
82) 4-Chlorotoluene	10.77	91	291591	49.115	ug/l	99
83) tert-Butylbenzene	11.10	119	293322	49.206	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	311489	51.585	ug/l	99
85) sec-Butylbenzene	11.32	105	365265	50.666	ug/l	100
86) p-Isopropyltoluene	11.47	119	311224	50.661	ug/l	99
87) 1,3-Dichlorobenzene	11.41	146	166252	48.024	ug/l	99
88) 1,4-Dichlorobenzene	11.50	146	165084	46.197	ug/l	99
89) n-Butylbenzene	11.89	91	290660	53.011	ug/l	99
90) Hexachloroethane	12.14	117	47966	46.413	ug/l	100
91) 1,2-Dichlorobenzene	11.88	146	167039	47.905	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.65	75	29807	53.390	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU010519\
Data File : VU029044.D
Acq On : 04 Jan 2019 21:56
Operator : MD/SY
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

MMDadoda
1/7/2019 12:49:06 PM

Quant Time: Jan 05 04:54:26 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U010319W.M
Quant Title : SW846 8260
QLast Update : Fri Jan 04 02:22:53 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	113629	51.049	ug/l	100
94) Hexachlorobutadiene	13.69	225	49093	48.220	ug/l	99
95) Naphthalene	13.74	128	390774	51.608	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	114497	49.968	ug/l	99

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

