

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU011419\
 Data File : VU029169.D
 Acq On : 14 Jan 2019 17:10
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 1/15/2019 11:29:50 AM

Quant Time: Jan 14 23:53:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U010319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 12 01:33:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	140934	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	225304	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	211237	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	107929	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	84370	48.43	ug/l	0.00
Spiked Amount			Recovery	=	96.86%	
35) Dibromofluoromethane	4.88	113	73790	50.52	ug/l	0.00
Spiked Amount			Recovery	=	101.04%	
50) Toluene-d8	7.56	98	284968	49.42	ug/l	0.00
Spiked Amount			Recovery	=	98.84%	
62) 4-Bromofluorobenzene	10.30	95	102958	49.69	ug/l	0.00
Spiked Amount			Recovery	=	99.38%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.21	85	63526	45.452	ug/l	99
3) Chloromethane	1.33	50	91979	41.107	ug/l	100
4) Vinyl Chloride	1.40	62	95836	46.530	ug/l	99
5) Bromomethane	1.61	94	51905	48.953	ug/l	99
6) Chloroethane	1.69	64	58761	47.897	ug/l	100
7) Trichlorofluoromethane	1.88	101	111437	49.652	ug/l	100
8) Diethyl Ether	2.10	74	53590	49.701	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.28	101	75314	50.153	ug/l	98
10) Methyl Iodide	2.41	142	69842	49.463	ug/l	99
11) Tert butyl alcohol	2.83	59	112801	254.718	ug/l	99
12) 1,1-Dichloroethene	2.28	96	72333	49.486	ug/l	96
13) Acrolein	2.19	56	85803	258.031	ug/l	99
14) Allyl chloride	2.59	41	114658	42.752	ug/l	90
15) Acrylonitrile	2.93	53	270907	249.350	ug/l	100
16) Acetone	2.32	43	258564	235.587	ug/l	99
17) Carbon Disulfide	2.47	76	209277	43.161	ug/l	100
18) Methyl Acetate	2.61	43	133574	52.342	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	255866	49.790	ug/l	98
20) Methylene Chloride	2.70	84	87245	46.820	ug/l	97
21) trans-1,2-Dichloroethene	2.98	96	79290	46.690	ug/l	99
22) Diisopropyl ether	3.57	45	259395	48.938	ug/l	100
23) Vinyl Acetate	3.52	43	1057763	244.106	ug/l	99
24) 1,1-Dichloroethane	3.44	63	150805	49.285	ug/l	99
25) 2-Butanone	4.26	43	374546	252.666	ug/l	99
26) 2,2-Dichloropropane	4.22	77	123525	49.961	ug/l	100
27) cis-1,2-Dichloroethene	4.22	96	92581	49.845	ug/l	98
28) Bromochloromethane	4.54	49	60397	46.097	ug/l	96
29) Tetrahydrofuran	4.64	42	223406	248.482	ug/l	97
30) Chloroform	4.67	83	146456	50.252	ug/l	99
31) Cyclohexane	4.99	56	135756	46.931	ug/l	98
32) 1,1,1-Trichloroethane	4.91	97	119294	49.538	ug/l	100
36) 1,1-Dichloropropene	5.13	75	111034	49.304	ug/l	99
37) Ethyl Acetate	4.38	43	125481	50.762	ug/l	99
38) Carbon Tetrachloride	5.13	117	97406	51.859	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	139612	50.428	ug/l	99
40) Benzene	5.39	78	351244	50.002	ug/l	100
41) Methacrylonitrile	4.54	41	69121	52.238	ug/l	98
42) 1,2-Dichloroethane	5.40	62	109192	51.729	ug/l	99
43) Isopropyl Acetate	5.55	43	196280	51.762	ug/l	98
44) Trichloroethene	6.18	130	87905	50.505	ug/l	97
45) 1,2-Dichloropropane	6.43	63	93481	50.392	ug/l	99
46) Dibromomethane	6.56	93	60161	50.731	ug/l	98
47) Bromodichloromethane	6.76	83	113695	52.073	ug/l	99
48) Methyl methacrylate	6.62	41	97918	53.032	ug/l	98
49) 1,4-Dioxane	6.61	88	48326	1104.421	ug/l	96
51) 4-Methyl-2-Pentanone	7.46	43	662669	256.784	ug/l	98
52) Toluene	7.63	92	219733	51.383	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	132513	50.523	ug/l	100
54) cis-1,3-Dichloropropene	7.27	75	142262	50.196	ug/l	99
55) 1,1,2-Trichloroethane	8.06	97	88541	51.682	ug/l	96
56) Ethyl methacrylate	8.02	69	136867	51.856	ug/l	100
57) 1,3-Dichloropropane	8.24	76	149129	50.872	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.12	63	286436	246.770	ug/l	99
59) 2-Hexanone	8.36	43	523016	258.188	ug/l	99
60) Dibromochloromethane	8.48	129	88878	52.365	ug/l	100
61) 1,2-Dibromoethane	8.58	107	94758	50.999	ug/l	100
64) Tetrachloroethene	8.22	164	78254	51.427	ug/l	98
65) Chlorobenzene	9.12	112	235031	49.637	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	80462	52.364	ug/l	98
67) Ethyl Benzene	9.25	91	407688	51.572	ug/l	99
68) m/p-Xylenes	9.37	106	317141	103.250	ug/l	99
69) o-Xylene	9.78	106	152867	51.652	ug/l	100
70) Styrene	9.79	104	254478	52.451	ug/l	100
71) Bromoform	9.95	173	70973	51.873	ug/l #	98
73) Isopropylbenzene	10.16	105	405207	50.723	ug/l	100
74) N-amyl acetate	10.01	43	169153	49.138	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	155245	48.488	ug/l	100
76) 1,2,3-Trichloropropane	10.49	75	132021m	49.924	ug/l	
77) Bromobenzene	10.45	156	103018	49.484	ug/l	98
78) n-propylbenzene	10.58	91	485271	51.545	ug/l	100
79) 2-Chlorotoluene	10.66	91	285205	49.940	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	337204	50.547	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	42431m	41.382	ug/l	
82) 4-Chlorotoluene	10.77	91	319569	48.800	ug/l	100
83) tert-Butylbenzene	11.10	119	332624	50.587	ug/l	99
84) 1,2,4-Trimethylbenzene	11.14	105	345541	51.880	ug/l	100
85) sec-Butylbenzene	11.32	105	418514	52.629	ug/l	100
86) p-Isopropyltoluene	11.47	119	357137	52.705	ug/l	99
87) 1,3-Dichlorobenzene	11.41	146	187172	49.017	ug/l	99
88) 1,4-Dichlorobenzene	11.50	146	186578	47.335	ug/l	99
89) n-Butylbenzene	11.89	91	333950	55.217	ug/l	99
90) Hexachloroethane	12.14	117	54965	48.217	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	185489	48.227	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	31667	51.424	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	126632	51.577	ug/l	99
94) Hexachlorobutadiene	13.69	225	60294	53.691	ug/l	99
95) Naphthalene	13.74	128	416965	49.924	ug/l	99
96) 1,2,3-Trichlorobenzene	13.98	180	127394	50.397	ug/l	99

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

