

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U100118\
 Data File : VU027314.D
 Acq On : 01 Oct 2018 11:16
 Operator : MD/SY
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 10/3/2018 11:41:43 AM

Quant Time: Oct 01 23:40:04 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U100118W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 01 23:17:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	119994	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	204306	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	194100	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	95385	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	94842	49.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.62%	
35) Dibromofluoromethane	4.88	113	67182	50.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.06%	
50) Toluene-d8	7.57	98	266378	50.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.68%	
62) 4-Bromofluorobenzene	10.31	95	96373	50.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.56%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.21	85	98474	56.922	ug/l	100
3) Chloromethane	1.33	50	124352	53.093	ug/l	100
4) Vinyl Chloride	1.40	62	117497	53.367	ug/l	100
5) Bromomethane	1.62	94	47088	49.428	ug/l	100
6) Chloroethane	1.69	64	66329	50.136	ug/l	100
7) Trichlorofluoromethane	1.88	101	117790	52.728	ug/l	100
8) Diethyl Ether	2.11	74	53347	51.841	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.29	101	69040	53.217	ug/l	100
10) Methyl Iodide	2.41	142	51905	54.961	ug/l	100
11) Tert butyl alcohol	2.83	59	105586	250.237	ug/l	100
12) 1,1-Dichloroethene	2.28	96	67002	52.862	ug/l	100
13) Acrolein	2.20	56	87418	246.906	ug/l	100
14) Allyl chloride	2.59	41	159723	53.066	ug/l	100
15) Acrylonitrile	2.94	53	291064	265.036	ug/l	100
16) Acetone	2.32	43	304080	256.889	ug/l	100
17) Carbon Disulfide	2.48	76	234724	51.347	ug/l	100
18) Methyl Acetate	2.62	43	136923	50.706	ug/l	100
19) Methyl tert-butyl Ether	3.00	73	267019	52.577	ug/l	100
20) Methylene Chloride	2.70	84	84537	51.271	ug/l	100
21) trans-1,2-Dichloroethene	2.98	96	74018	52.015	ug/l	100
22) Diisopropyl ether	3.58	45	326609	53.388	ug/l	100
23) Vinyl Acetate	3.53	43	1454108	272.175	ug/l	100
24) 1,1-Dichloroethane	3.45	63	166960	53.089	ug/l	100
25) 2-Butanone	4.26	43	436247	270.262	ug/l	100
26) 2,2-Dichloropropane	4.23	77	133192	51.541	ug/l	100
27) cis-1,2-Dichloroethene	4.23	96	85161	52.331	ug/l	100
28) Bromochloromethane	4.55	49	82208	54.180	ug/l	100
29) Tetrahydrofuran	4.64	42	272902	268.270	ug/l	100
30) Chloroform	4.67	83	148108	53.006	ug/l	100
31) Cyclohexane	5.00	56	163994	44.591	ug/l	100
32) 1,1,1-Trichloroethane	4.92	97	125238	53.219	ug/l	100
36) 1,1-Dichloropropene	5.14	75	116036	52.309	ug/l	100
37) Ethyl Acetate	4.38	43	149756	54.748	ug/l	100
38) Carbon Tetrachloride	5.14	117	105429	52.614	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	138964	53.590	ug/l	100
40) Benzene	5.39	78	339457	52.534	ug/l	100
41) Methacrylonitrile	4.54	41	86980	53.677	ug/l	100
42) 1,2-Dichloroethane	5.40	62	127527	53.169	ug/l	100
43) Isopropyl Acetate	5.55	43	244265	54.858	ug/l	100
44) Trichloroethene	6.19	130	75789	52.601	ug/l	100
45) 1,2-Dichloropropane	6.43	63	100093	53.705	ug/l	100
46) Dibromomethane	6.56	93	57019	54.169	ug/l	100
47) Bromodichloromethane	6.76	83	117649	53.864	ug/l	100
48) Methyl methacrylate	6.62	41	122692	55.410	ug/l	100
49) 1,4-Dioxane	6.61	88	41830	1097.962	ug/l	100
51) 4-Methyl-2-Pentanone	7.46	43	792621	273.942	ug/l	100
52) Toluene	7.64	92	204369	53.435	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	138734	54.174	ug/l	100
54) cis-1,3-Dichloropropene	7.27	75	149752	54.395	ug/l	100
55) 1,1,2-Trichloroethane	8.07	97	81383	53.669	ug/l	100
56) Ethyl methacrylate	8.02	69	143984	57.213	ug/l	100
57) 1,3-Dichloropropane	8.24	76	155401	52.790	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	394873	280.875	ug/l	100
59) 2-Hexanone	8.36	43	617114	274.949	ug/l	100
60) Dibromochloromethane	8.48	129	81418	53.534	ug/l	100
61) 1,2-Dibromoethane	8.59	107	86265	53.505	ug/l	100
64) Tetrachloroethene	8.23	164	63671	52.694	ug/l	100
65) Chlorobenzene	9.12	112	210967	51.636	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	74666	52.938	ug/l	100
67) Ethyl Benzene	9.25	91	389663	53.831	ug/l	100
68) m/p-Xylenes	9.38	106	288930	109.121	ug/l	100
69) o-Xylene	9.78	106	139566	55.468	ug/l	100
70) Styrene	9.79	104	231919	56.129	ug/l	100
71) Bromoform	9.96	173	59922	52.805	ug/l #	100
73) Isopropylbenzene	10.17	105	378655	54.658	ug/l	100
74) N-amyl acetate	10.01	43	216254	54.527	ug/l	100
75) 1,1,2,2-Tetrachloroethane	10.46	83	140294	51.575	ug/l	100
76) 1,2,3-Trichloropropane	10.49	75	130571m	49.102	ug/l	
77) Bromobenzene	10.45	156	84968	52.774	ug/l	100
78) n-propylbenzene	10.59	91	460154	55.277	ug/l	100
79) 2-Chlorotoluene	10.66	91	267300	53.181	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	311205	55.177	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.51	75	46869m	45.424	ug/l	
82) 4-Chlorotoluene	10.77	91	310963	54.518	ug/l	100
83) tert-Butylbenzene	11.10	119	301108	55.223	ug/l	100
84) 1,2,4-Trimethylbenzene	11.15	105	320817	55.684	ug/l	100
85) sec-Butylbenzene	11.32	105	383205	55.779	ug/l	100
86) p-Isopropyltoluene	11.48	119	329322	55.986	ug/l	100
87) 1,3-Dichlorobenzene	11.42	146	159463	52.306	ug/l	100
88) 1,4-Dichlorobenzene	11.51	146	161168	51.734	ug/l	100
89) n-Butylbenzene	11.89	91	312834	57.016	ug/l	100
90) Hexachloroethane	12.15	117	59160	53.357	ug/l	100
91) 1,2-Dichlorobenzene	11.88	146	157361	53.028	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.66	75	32689	54.223	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	106715	55.576	ug/l	100
94) Hexachlorobutadiene	13.69	225	51505	53.090	ug/l	100
95) Naphthalene	13.74	128	362900	56.372	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	110027	55.001	ug/l	100

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

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