

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU010319\
 Data File : VU028994.D
 Acq On : 03 Jan 2019 13:54
 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
 1/4/2019 9:50:56 AM

Quant Time: Jan 04 01:14:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U010319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 04 00:41:33 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	127112	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	211944	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	197665	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	100487	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.30	65	79451	50.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.12%	
35) Dibromofluoromethane	4.88	113	68149	49.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.20%	
50) Toluene-d8	7.56	98	269825	49.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.50%	
62) 4-Bromofluorobenzene	10.30	95	95317	48.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.80%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.21	85	62700	49.739	ug/l 100
3) Chloromethane	1.33	50	100571	44.581	ug/l 100
4) Vinyl Chloride	1.40	62	92083	49.569	ug/l 100
5) Bromomethane	1.60	94	51605	46.399	ug/l 100
6) Chloroethane	1.68	64	53997	48.799	ug/l 100
7) Trichlorofluoromethane	1.88	101	99629	49.218	ug/l 100
8) Diethyl Ether	2.10	74	49023	50.409	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	2.28	101	60550	44.706	ug/l 100
10) Methyl Iodide	2.40	142	62492	49.070	ug/l 100
11) Tert butyl alcohol	2.83	59	96167	240.770	ug/l 100
12) 1,1-Dichloroethene	2.28	96	60204	45.667	ug/l 100
13) Acrolein	2.19	56	72410	241.433	ug/l 100
14) Allyl chloride	2.59	41	125886	52.043	ug/l 100
15) Acrylonitrile	2.93	53	249778	254.901	ug/l 100
16) Acetone	2.32	43	236690	239.107	ug/l 100
17) Carbon Disulfide	2.47	76	218012	44.439	ug/l 100
18) Methyl Acetate	2.61	43	112629	48.934	ug/l 100
19) Methyl tert-butyl Ether	3.00	73	230683	49.771	ug/l 100
20) Methylene Chloride	2.70	84	80995	48.192	ug/l 100
21) trans-1,2-Dichloroethene	2.98	96	75083	49.020	ug/l 100
22) Diisopropyl ether	3.57	45	242535	50.732	ug/l 100
23) Vinyl Acetate	3.52	43	1009449	258.288	ug/l 100
24) 1,1-Dichloroethane	3.44	63	138940	50.345	ug/l 100
25) 2-Butanone	4.26	43	343862	257.191	ug/l 100
26) 2,2-Dichloropropane	4.22	77	111557	50.027	ug/l 100
27) cis-1,2-Dichloroethene	4.22	96	84468	50.422	ug/l 100
28) Bromochloromethane	4.55	49	60594	51.276	ug/l 100
29) Tetrahydrofuran	4.63	42	207240	255.566	ug/l 100
30) Chloroform	4.67	83	132164	50.279	ug/l 100
31) Cyclohexane	4.99	56	130647	42.777	ug/l 100
32) 1,1,1-Trichloroethane	4.91	97	108798	50.092	ug/l 100
36) 1,1-Dichloropropene	5.13	75	101284	47.810	ug/l 100
37) Ethyl Acetate	4.38	43	116587	48.149	ug/l 100
38) Carbon Tetrachloride	5.13	117	88888	50.307	ug/l 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	126992	48.761	ug/l	100
40) Benzene	5.39	78	325403	49.243	ug/l	100
41) Methacrylonitrile	4.54	41	63640	51.127	ug/l	100
42) 1,2-Dichloroethane	5.40	62	100791	50.759	ug/l	100
43) Isopropyl Acetate	5.55	43	181850	50.980	ug/l	100
44) Trichloroethene	6.18	130	78954	48.222	ug/l	100
45) 1,2-Dichloropropane	6.43	63	87546	50.168	ug/l	100
46) Dibromomethane	6.56	93	55123	49.413	ug/l	100
47) Bromodichloromethane	6.76	83	101411	49.374	ug/l	100
48) Methyl methacrylate	6.62	41	91871	52.893	ug/l	100
49) 1,4-Dioxane	6.61	88	41687	1012.750	ug/l	100
51) 4-Methyl-2-Pentanone	7.46	43	615008	253.338	ug/l	100
52) Toluene	7.64	92	198503	49.344	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	121059	49.065	ug/l	100
54) cis-1,3-Dichloropropene	7.27	75	132662	49.759	ug/l	100
55) 1,1,2-Trichloroethane	8.06	97	79613	49.400	ug/l	100
56) Ethyl methacrylate	8.02	69	125976	50.738	ug/l	100
57) 1,3-Dichloropropane	8.24	76	137065	49.704	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.12	63	281720	258.006	ug/l	100
59) 2-Hexanone	8.36	43	481767	252.817	ug/l	100
60) Dibromochloromethane	8.48	129	79353	49.700	ug/l	100
61) 1,2-Dibromoethane	8.58	107	86466	49.469	ug/l	100
64) Tetrachloroethene	8.22	164	71362	50.118	ug/l	100
65) Chlorobenzene	9.12	112	213173	48.112	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	71594	49.792	ug/l	100
67) Ethyl Benzene	9.25	91	374550	50.633	ug/l	100
68) m/p-Xylenes	9.37	106	286817	99.789	ug/l	100
69) o-Xylene	9.78	106	139844	50.496	ug/l	100
70) Styrene	9.79	104	232943	51.309	ug/l	100
71) Bromoform	9.95	173	65690	51.309	ug/l #	100
73) Isopropylbenzene	10.16	105	364996	49.073	ug/l	100
74) N-amyl acetate	10.01	43	161738	50.464	ug/l	100
75) 1,1,2,2-Tetrachloroethane	10.46	83	143625	48.181	ug/l	100
76) 1,2,3-Trichloropropane	10.49	75	121881m	47.790	ug/l	
77) Bromobenzene	10.45	156	93703	48.343	ug/l	100
78) n-propylbenzene	10.58	91	438031	49.973	ug/l	100
79) 2-Chlorotoluene	10.66	91	257898	48.503	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	305758	49.227	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.51	75	43216m	35.551	ug/l	
82) 4-Chlorotoluene	10.77	91	295660	48.493	ug/l	100
83) tert-Butylbenzene	11.10	119	298176	48.707	ug/l	100
84) 1,2,4-Trimethylbenzene	11.15	105	313119	50.493	ug/l	100
85) sec-Butylbenzene	11.32	105	368060	49.712	ug/l	100
86) p-Isopropyltoluene	11.47	119	317896	50.388	ug/l	100
87) 1,3-Dichlorobenzene	11.41	146	170308	47.903	ug/l	100
88) 1,4-Dichlorobenzene	11.50	146	169822	46.275	ug/l	100
89) n-Butylbenzene	11.89	91	289597	51.430	ug/l	100
90) Hexachloroethane	12.14	117	50692	47.762	ug/l	100
91) 1,2-Dichlorobenzene	11.88	146	171962	48.021	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.66	75	29626	51.672	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	113679	49.731	ug/l	100
94) Hexachlorobutadiene	13.69	225	49515	47.358	ug/l	100
95) Naphthalene	13.74	128	383582	49.328	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	115521	47.530	ug/l	100

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

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