

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U090719\
 Data File : VU034344.D
 Acq On : 06 Sep 2019 20:26
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/10/2019 1:30:37 PM

Quant Time: Sep 07 04:46:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U090619W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 06 05:10:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.96	168	310479	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	472263	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	458482	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	297444	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.29	65	229199	48.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.58%	
35) Dibromofluoromethane	4.86	113	210270	47.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.70%	
50) Toluene-d8	7.55	98	817398	49.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.02%	
62) 4-Bromofluorobenzene	10.29	95	305870	47.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	147310	45.366	ug/l	98
3) Chloromethane	1.32	50	173648	49.498	ug/l	98
4) Vinyl Chloride	1.40	62	186434	46.075	ug/l	99
5) Bromomethane	1.61	94	117131	57.691	ug/l	100
6) Chloroethane	1.69	64	119021	50.620	ug/l	98
7) Trichlorofluoromethane	1.87	101	257566	47.474	ug/l	98
8) Diethyl Ether	2.09	74	118899	49.822	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.27	101	171122	47.621	ug/l	99
10) Methyl Iodide	2.40	142	169165	51.343	ug/l	99
11) Tert butyl alcohol	2.81	59	268617	270.663	ug/l	99
12) 1,1-Dichloroethene	2.27	96	164598	48.726	ug/l	99
13) Acrolein	2.18	56	129385	155.113	ug/l	98
14) Allyl chloride	2.58	41	309032m	47.852	ug/l	
15) Acrylonitrile	2.92	53	637071	257.777	ug/l	98
16) Acetone	2.31	43	501446	206.271	ug/l	98
17) Carbon Disulfide	2.46	76	335104	44.138	ug/l	100
18) Methyl Acetate	2.60	43	280427	47.407	ug/l	97
19) Methyl tert-butyl Ether	2.98	73	649092	52.717	ug/l	100
20) Methylene Chloride	2.69	84	209250	52.572	ug/l	97
21) trans-1,2-Dichloroethene	2.97	96	174718	49.081	ug/l	97
22) Diisopropyl ether	3.55	45	654902	52.000	ug/l	99
23) Vinyl Acetate	3.50	43	2728860	266.001	ug/l	99
24) 1,1-Dichloroethane	3.43	63	362853	48.244	ug/l	99
25) 2-Butanone	4.24	43	828553	255.327	ug/l	98
26) 2,2-Dichloropropane	4.20	77	274006	45.297	ug/l	99
27) cis-1,2-Dichloroethene	4.20	96	225317	52.115	ug/l	97
28) Bromochloromethane	4.52	49	169019	48.857	ug/l	97
29) Tetrahydrofuran	4.61	42	525296	266.020	ug/l	99
30) Chloroform	4.65	83	364894	47.729	ug/l	100
31) Cyclohexane	4.97	56	266517	48.436	ug/l	99
32) 1,1,1-Trichloroethane	4.89	97	300930	49.233	ug/l	98
36) 1,1-Dichloropropene	5.12	75	243251	47.494	ug/l	99
37) Ethyl Acetate	4.36	43	304307	50.252	ug/l	99
38) Carbon Tetrachloride	5.11	117	256141	46.838	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.40	83	266009	48.585	ug/l	97
40) Benzene	5.37	78	782768	47.364	ug/l	100
41) Methacrylonitrile	4.52	41	165072	51.176	ug/l	98
42) 1,2-Dichloroethane	5.38	62	265550	46.280	ug/l	99
43) Isopropyl Acetate	5.53	43	477540	50.551	ug/l	99
44) Trichloroethene	6.16	130	226045	49.428	ug/l	99
45) 1,2-Dichloropropane	6.41	63	231614	47.939	ug/l	99
46) Dibromomethane	6.54	93	143987	47.478	ug/l	98
47) Bromodichloromethane	6.74	83	295999	47.416	ug/l	99
48) Methyl methacrylate	6.60	41	225443	50.247	ug/l	99
49) 1,4-Dioxane	6.59	88	106441	1086.416	ug/l	98
51) 4-Methyl-2-Pentanone	7.44	43	1625316	248.560	ug/l	99
52) Toluene	7.62	92	510908	49.281	ug/l	100
53) t-1,3-Dichloropropene	7.86	75	318722	49.252	ug/l	99
54) cis-1,3-Dichloropropene	7.25	75	352092	49.574	ug/l	100
55) 1,1,2-Trichloroethane	8.04	97	224216	47.630	ug/l	99
56) Ethyl methacrylate	8.00	69	345516	48.414	ug/l	99
57) 1,3-Dichloropropane	8.22	76	371331	48.442	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.11	63	591810	244.941	ug/l	100
59) 2-Hexanone	8.34	43	1226697	251.119	ug/l	98
60) Dibromochloromethane	8.46	129	250296	49.571	ug/l	99
61) 1,2-Dibromoethane	8.57	107	226142	49.081	ug/l	100
64) Tetrachloroethene	8.21	164	196709	49.454	ug/l	97
65) Chlorobenzene	9.10	112	593756	51.046	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.19	131	220598	49.694	ug/l	100
67) Ethyl Benzene	9.23	91	1000026	52.581	ug/l	99
68) m/p-Xylenes	9.35	106	767760	107.203	ug/l	99
69) o-Xylene	9.76	106	379809	54.228	ug/l	99
70) Styrene	9.77	104	677038	55.135	ug/l	99
71) Bromoform	9.94	173	198438	51.579	ug/l #	99
73) Isopropylbenzene	10.14	105	1036613	53.552	ug/l	100
74) N-amyl acetate	9.99	43	441270	56.633	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.44	83	388581	49.594	ug/l	99
76) 1,2,3-Trichloropropane	10.47	75	320826m	49.414	ug/l	
77) Bromobenzene	10.43	156	279804	51.696	ug/l	97
78) n-propylbenzene	10.57	91	1184339	52.978	ug/l	99
79) 2-Chlorotoluene	10.64	91	710758	52.107	ug/l	100
80) 1,3,5-Trimethylbenzene	10.75	105	880605	54.395	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.49	75	94297m	48.842	ug/l	
82) 4-Chlorotoluene	10.75	91	822347	52.388	ug/l	99
83) tert-Butylbenzene	11.08	119	878363	54.236	ug/l	99
84) 1,2,4-Trimethylbenzene	11.12	105	892261	54.753	ug/l	99
85) sec-Butylbenzene	11.30	105	1041957	54.497	ug/l	100
86) p-Isopropyltoluene	11.45	119	967676	54.835	ug/l	99
87) 1,3-Dichlorobenzene	11.40	146	511390	51.778	ug/l	99
88) 1,4-Dichlorobenzene	11.49	146	515770	50.067	ug/l	99
89) n-Butylbenzene	11.87	91	850956	55.489	ug/l	100
90) Hexachloroethane	12.12	117	142426	50.446	ug/l	98
91) 1,2-Dichlorobenzene	11.86	146	500261	51.539	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.64	75	79024	54.886	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.48	180	368926	52.240	ug/l	100
94) Hexachlorobutadiene	13.67	225	163424	48.132	ug/l	99
95) Naphthalene	13.72	128	1125831	56.252	ug/l	99
96) 1,2,3-Trichlorobenzene	13.97	180	363761	53.313	ug/l	100

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

