

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091219\
 Data File : VU034519.D
 Acq On : 12 Sep 2019 14:38
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/16/2019 11:16:44 AM

Quant Time: Sep 13 07:45:49 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	243089	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	346712	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	343944	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	233791	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.29	65	190162	51.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.40%	
35) Dibromofluoromethane	4.86	113	171494	53.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.32%	
50) Toluene-d8	7.54	98	637319	52.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.16%	
62) 4-Bromofluorobenzene	10.29	95	245346	52.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	120808	47.518	ug/l	98
3) Chloromethane	1.32	50	142467	51.872	ug/l	98
4) Vinyl Chloride	1.40	62	153448	48.436	ug/l	99
5) Bromomethane	1.61	94	92759	58.405	ug/l	98
6) Chloroethane	1.69	64	100958	54.927	ug/l	99
7) Trichlorofluoromethane	1.88	101	219160	51.593	ug/l	97
8) Diethyl Ether	2.09	74	100363	53.713	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.28	101	147121	52.292	ug/l	99
10) Methyl Iodide	2.40	142	137371	53.109	ug/l	100
11) Tert butyl alcohol	2.81	59	213302	274.509	ug/l	99
12) 1,1-Dichloroethene	2.27	96	136679	51.678	ug/l	97
13) Acrolein	2.18	56	110187	168.718	ug/l	100
14) Allyl chloride	2.58	41	256586m	50.745	ug/l	
15) Acrylonitrile	2.92	53	552884	285.730	ug/l	98
16) Acetone	2.31	43	500461	262.937	ug/l	98
17) Carbon Disulfide	2.47	76	259694	43.688	ug/l	99
18) Methyl Acetate	2.60	43	246331	53.188	ug/l	97
19) Methyl tert-butyl Ether	2.98	73	550554	57.110	ug/l	100
20) Methylene Chloride	2.69	84	176336	56.615	ug/l	98
21) trans-1,2-Dichloroethene	2.97	96	143151	51.362	ug/l	99
22) Diisopropyl ether	3.55	45	561091	56.902	ug/l	98
23) Vinyl Acetate	3.50	43	2303660	286.805	ug/l	99
24) 1,1-Dichloroethane	3.43	63	314901	53.475	ug/l	100
25) 2-Butanone	4.24	43	738330	290.598	ug/l	99
26) 2,2-Dichloropropane	4.20	77	261097	55.128	ug/l	100
27) cis-1,2-Dichloroethene	4.20	96	186974	55.235	ug/l	98
28) Bromochloromethane	4.52	49	149407	55.161	ug/l	98
29) Tetrahydrofuran	4.61	42	446275	288.656	ug/l	99
30) Chloroform	4.65	83	320198	53.494	ug/l	99
31) Cyclohexane	4.97	56	212052	49.222	ug/l	100
32) 1,1,1-Trichloroethane	4.89	97	261529	54.648	ug/l	99
36) 1,1-Dichloropropene	5.12	75	200174	53.236	ug/l	100
37) Ethyl Acetate	4.36	43	258226	58.085	ug/l	99
38) Carbon Tetrachloride	5.11	117	221679	55.216	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.40	83	210057	52.259	ug/l	99
40) Benzene	5.37	78	662339	54.590	ug/l	99
41) Methacrylonitrile	4.52	41	142649	60.239	ug/l	99
42) 1,2-Dichloroethane	5.38	62	233434	55.415	ug/l	99
43) Isopropyl Acetate	5.53	43	400067	57.686	ug/l	99
44) Trichloroethene	6.16	130	182168	54.258	ug/l	97
45) 1,2-Dichloropropane	6.41	63	199196	56.159	ug/l	99
46) Dibromomethane	6.54	93	125296	56.276	ug/l	99
47) Bromodichloromethane	6.73	83	261764	57.117	ug/l	98
48) Methyl methacrylate	6.60	41	188375	57.188	ug/l	98
49) 1,4-Dioxane	6.59	88	74925	1041.667	ug/l	99
51) 4-Methyl-2-Pentanone	7.44	43	1412362	294.209	ug/l	100
52) Toluene	7.62	92	424744	55.806	ug/l	97
53) t-1,3-Dichloropropene	7.86	75	273777	57.627	ug/l	98
54) cis-1,3-Dichloropropene	7.25	75	300972	57.722	ug/l	99
55) 1,1,2-Trichloroethane	8.04	97	198213	57.353	ug/l	99
56) Ethyl methacrylate	8.00	69	288398	54.623	ug/l	98
57) 1,3-Dichloropropane	8.22	76	320300	56.916	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.11	63	452948	254.647	ug/l	100
59) 2-Hexanone	8.34	43	1077722	300.514	ug/l	100
60) Dibromochloromethane	8.45	129	219583	59.236	ug/l	99
61) 1,2-Dibromoethane	8.57	107	194604	57.530	ug/l	99
64) Tetrachloroethene	8.21	164	161023	53.964	ug/l	98
65) Chlorobenzene	9.10	112	497387	57.001	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.19	131	192160	57.703	ug/l	99
67) Ethyl Benzene	9.23	91	831630	58.288	ug/l	99
68) m/p-Xylenes	9.35	106	651461	121.256	ug/l	99
69) o-Xylene	9.76	106	316457	60.230	ug/l	99
70) Styrene	9.77	104	574798	62.397	ug/l	99
71) Bromoform	9.94	173	174504	60.463	ug/l #	99
73) Isopropylbenzene	10.14	105	880396	57.865	ug/l	99
74) N-amyl acetate	9.99	43	365725	59.717	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.43	83	344397	55.922	ug/l	99
76) 1,2,3-Trichloropropane	10.47	75	282947m	55.445	ug/l	
77) Bromobenzene	10.43	156	239532	56.305	ug/l	99
78) n-propylbenzene	10.57	91	1020618	58.084	ug/l	100
79) 2-Chlorotoluene	10.64	91	613820	57.252	ug/l	100
80) 1,3,5-Trimethylbenzene	10.75	105	767896	60.348	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.49	75	92544m	60.985	ug/l	
82) 4-Chlorotoluene	10.75	91	707133	57.313	ug/l	99
83) tert-Butylbenzene	11.08	119	741552	58.255	ug/l	100
84) 1,2,4-Trimethylbenzene	11.13	105	768564	60.003	ug/l	99
85) sec-Butylbenzene	11.30	105	888631	59.132	ug/l	99
86) p-Isopropyltoluene	11.45	119	829030	59.769	ug/l	100
87) 1,3-Dichlorobenzene	11.40	146	435517	56.102	ug/l	99
88) 1,4-Dichlorobenzene	11.49	146	444099	54.847	ug/l	100
89) n-Butylbenzene	11.86	91	722770	59.962	ug/l	100
90) Hexachloroethane	12.12	117	125245	56.439	ug/l	99
91) 1,2-Dichlorobenzene	11.85	146	435956	57.142	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.63	75	69403	61.328	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.48	180	294408	52.986	ug/l	99
94) Hexachlorobutadiene	13.67	225	139297	52.197	ug/l	98
95) Naphthalene	13.72	128	820674	52.457	ug/l	99
96) 1,2,3-Trichlorobenzene	13.96	180	294523	54.839	ug/l	99

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

