

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091019\
 Data File : VU034464.D
 Acq On : 10 Sep 2019 20:13
 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
 9/11/2019 1:42:29 PM

Quant Time: Sep 11 07:13:02 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	252455	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	366446	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	369775	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	252425	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.29	65	196143	51.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.70%	
35) Dibromofluoromethane	4.86	113	177184	51.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.92%	
50) Toluene-d8	7.54	98	670066	52.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.62%	
62) 4-Bromofluorobenzene	10.29	95	258699	52.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.60%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	121274	45.932	ug/l	99
3) Chloromethane	1.32	50	142938	50.109	ug/l	98
4) Vinyl Chloride	1.40	62	153833	46.756	ug/l	99
5) Bromomethane	1.61	94	89638	54.023	ug/l	100
6) Chloroethane	1.69	64	101482	53.131	ug/l	98
7) Trichlorofluoromethane	1.87	101	223264	50.609	ug/l	99
8) Diethyl Ether	2.09	74	99857	51.460	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.28	101	146587	50.169	ug/l	99
10) Methyl Iodide	2.40	142	118586	44.795	ug/l	98
11) Tert butyl alcohol	2.81	59	231564	286.956	ug/l	99
12) 1,1-Dichloroethene	2.27	96	136644	49.748	ug/l	97
13) Acrolein	2.18	56	99716	147.020	ug/l	99
14) Allyl chloride	2.58	41	258319m	49.192	ug/l	
15) Acrylonitrile	2.92	53	547234	272.318	ug/l	98
16) Acetone	2.31	43	441233	223.219	ug/l	99
17) Carbon Disulfide	2.47	76	261734	42.398	ug/l	100
18) Methyl Acetate	2.60	43	247441	51.445	ug/l	100
19) Methyl tert-butyl Ether	2.98	73	552410	55.177	ug/l	99
20) Methylene Chloride	2.69	84	178017	55.023	ug/l	99
21) trans-1,2-Dichloroethene	2.97	96	146922	50.759	ug/l	97
22) Diisopropyl ether	3.55	45	568240	55.489	ug/l	97
23) Vinyl Acetate	3.50	43	2315853	277.627	ug/l	99
24) 1,1-Dichloroethane	3.43	63	319069	52.173	ug/l	100
25) 2-Butanone	4.24	43	708605	268.552	ug/l	100
26) 2,2-Dichloropropane	4.20	77	244302	49.669	ug/l	100
27) cis-1,2-Dichloroethene	4.21	96	188689	53.674	ug/l	97
28) Bromochloromethane	4.52	49	153971	54.737	ug/l	99
29) Tetrahydrofuran	4.61	42	444304	276.719	ug/l	99
30) Chloroform	4.65	83	324730	52.238	ug/l	99
31) Cyclohexane	4.97	56	212383	47.469	ug/l	98
32) 1,1,1-Trichloroethane	4.89	97	263663	53.050	ug/l	99
36) 1,1-Dichloropropene	5.12	75	201142	50.613	ug/l	99
37) Ethyl Acetate	4.36	43	255003	54.271	ug/l	99
38) Carbon Tetrachloride	5.11	117	221119	52.110	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.40	83	204492	48.134	ug/l	99
40) Benzene	5.37	78	673845	52.547	ug/l	99
41) Methacrylonitrile	4.52	41	142195	56.814	ug/l	100
42) 1,2-Dichloroethane	5.38	62	237574	53.360	ug/l	100
43) Isopropyl Acetate	5.53	43	398494	54.365	ug/l	100
44) Trichloroethene	6.16	130	180054	50.740	ug/l	96
45) 1,2-Dichloropropane	6.41	63	200645	53.522	ug/l	99
46) Dibromomethane	6.54	93	125693	53.414	ug/l	99
47) Bromodichloromethane	6.74	83	263127	54.322	ug/l	100
48) Methyl methacrylate	6.60	41	187034	53.723	ug/l	98
49) 1,4-Dioxane	6.59	88	83079	1092.829	ug/l	99
51) 4-Methyl-2-Pentanone	7.44	43	1399521	275.834	ug/l	100
52) Toluene	7.62	92	431087	53.589	ug/l	98
53) t-1,3-Dichloropropene	7.86	75	273353	54.439	ug/l	98
54) cis-1,3-Dichloropropene	7.25	75	302034	54.806	ug/l	99
55) 1,1,2-Trichloroethane	8.04	97	203034	55.584	ug/l	98
56) Ethyl methacrylate	8.00	69	284206	51.138	ug/l	99
57) 1,3-Dichloropropane	8.22	76	325712	54.761	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.11	63	475269	252.927	ug/l	100
59) 2-Hexanone	8.34	43	1051803	277.493	ug/l	99
60) Dibromochloromethane	8.46	129	218547	55.782	ug/l	98
61) 1,2-Dibromoethane	8.57	107	193508	54.125	ug/l	98
64) Tetrachloroethene	8.21	164	163635	51.008	ug/l	97
65) Chlorobenzene	9.10	112	500297	53.329	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.19	131	192678	53.817	ug/l	100
67) Ethyl Benzene	9.23	91	832072	54.245	ug/l	99
68) m/p-Xylenes	9.35	106	656587	113.673	ug/l	99
69) o-Xylene	9.76	106	318168	56.325	ug/l	100
70) Styrene	9.77	104	581571	58.722	ug/l	99
71) Bromoform	9.94	173	172429	55.571	ug/l #	99
73) Isopropylbenzene	10.14	105	876546	53.359	ug/l	100
74) N-amyl acetate	9.99	43	365384	55.257	ug/l	100
75) 1,1,2,2-Tetrachloroethane	10.43	83	338436	50.898	ug/l	99
76) 1,2,3-Trichloropropane	10.47	75	277042m	50.280	ug/l	
77) Bromobenzene	10.43	156	241472	52.571	ug/l	98
78) n-propylbenzene	10.57	91	1013090	53.400	ug/l	100
79) 2-Chlorotoluene	10.64	91	612403	52.903	ug/l	100
80) 1,3,5-Trimethylbenzene	10.75	105	764637	55.656	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.49	75	89309m	54.508	ug/l	
82) 4-Chlorotoluene	10.75	91	716548	53.789	ug/l	100
83) tert-Butylbenzene	11.08	119	740755	53.897	ug/l	99
84) 1,2,4-Trimethylbenzene	11.13	105	771099	55.757	ug/l	100
85) sec-Butylbenzene	11.30	105	882575	54.394	ug/l	100
86) p-Isopropyltoluene	11.45	119	825328	55.110	ug/l	100
87) 1,3-Dichlorobenzene	11.39	146	436612	52.091	ug/l	99
88) 1,4-Dichlorobenzene	11.49	146	438945	50.209	ug/l	100
89) n-Butylbenzene	11.86	91	707621	54.371	ug/l	100
90) Hexachloroethane	12.12	117	124057	51.777	ug/l	100
91) 1,2-Dichlorobenzene	11.85	146	431286	52.357	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.63	75	67228	55.020	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.48	180	295743	49.538	ug/l	99
94) Hexachlorobutadiene	13.67	225	137297	47.649	ug/l	100
95) Naphthalene	13.72	128	810996	48.348	ug/l	99
96) 1,2,3-Trichlorobenzene	13.96	180	292180	50.601	ug/l	100

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

