

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU090919\
 Data File : VU034433.D
 Acq On : 09 Sep 2019 15:09
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/10/2019 4:17:58 PM

Quant Time: Sep 10 06:50:37 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	269805	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	391704	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	382037	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	272176	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.29	65	200539	49.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.24%	
35) Dibromofluoromethane	4.86	113	184084	50.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.02%	
50) Toluene-d8	7.54	98	697526	50.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.88%	
62) 4-Bromofluorobenzene	10.29	95	266912	50.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	129900	46.035	ug/l	97
3) Chloromethane	1.32	50	144154	47.281	ug/l	100
4) Vinyl Chloride	1.40	62	162944	46.340	ug/l	98
5) Bromomethane	1.61	94	97287	54.935	ug/l	99
6) Chloroethane	1.69	64	104286	51.048	ug/l	97
7) Trichlorofluoromethane	1.87	101	232341	49.280	ug/l	100
8) Diethyl Ether	2.09	74	103808	50.056	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.27	101	152640	48.881	ug/l	98
10) Methyl Iodide	2.40	142	123634	43.793	ug/l	99
11) Tert butyl alcohol	2.82	59	226688	262.849	ug/l	100
12) 1,1-Dichloroethene	2.27	96	143312	48.820	ug/l	95
13) Acrolein	2.18	56	143844	198.444	ug/l	100
14) Allyl chloride	2.58	41	267020	47.579	ug/l	99
15) Acrylonitrile	2.92	53	558851	260.216	ug/l	98
16) Acetone	2.31	43	484047	229.131	ug/l	98
17) Carbon Disulfide	2.46	76	279591	42.378	ug/l	100
18) Methyl Acetate	2.60	43	246641	47.981	ug/l	98
19) Methyl tert-butyl Ether	2.98	73	559523	52.294	ug/l	99
20) Methylene Chloride	2.68	84	184967	53.484	ug/l	98
21) trans-1,2-Dichloroethene	2.97	96	151910	49.107	ug/l	97
22) Diisopropyl ether	3.55	45	569419	52.028	ug/l	98
23) Vinyl Acetate	3.50	43	2340083	262.491	ug/l	98
24) 1,1-Dichloroethane	3.42	63	322325	49.316	ug/l	100
25) 2-Butanone	4.24	43	735340	260.763	ug/l	99
26) 2,2-Dichloropropane	4.20	77	260754	49.604	ug/l	99
27) cis-1,2-Dichloroethene	4.20	96	193646	51.542	ug/l	97
28) Bromochloromethane	4.52	49	150445	50.044	ug/l	96
29) Tetrahydrofuran	4.61	42	452588	263.752	ug/l	98
30) Chloroform	4.65	83	328185	49.399	ug/l	100
31) Cyclohexane	4.97	56	224942	47.043	ug/l	99
32) 1,1,1-Trichloroethane	4.89	97	270330	50.894	ug/l	99
36) 1,1-Dichloropropene	5.12	75	209920	49.415	ug/l	100
37) Ethyl Acetate	4.36	43	256778	51.125	ug/l	100
38) Carbon Tetrachloride	5.11	117	225742	49.769	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.40	83	225182	49.587	ug/l	99
40) Benzene	5.37	78	692945	50.552	ug/l	99
41) Methacrylonitrile	4.52	41	143420	53.608	ug/l	99
42) 1,2-Dichloroethane	5.38	62	236561	49.707	ug/l	100
43) Isopropyl Acetate	5.53	43	402488	51.369	ug/l	99
44) Trichloroethene	6.16	130	191721	50.544	ug/l	99
45) 1,2-Dichloropropane	6.41	63	202585	50.554	ug/l	98
46) Dibromomethane	6.54	93	129985	51.676	ug/l	99
47) Bromodichloromethane	6.73	83	264864	51.155	ug/l	100
48) Methyl methacrylate	6.60	41	187853	50.479	ug/l	97
49) 1,4-Dioxane	6.60	88	90170	1109.622	ug/l	97
51) 4-Methyl-2-Pentanone	7.44	43	1399117	257.973	ug/l	99
52) Toluene	7.62	92	444580	51.703	ug/l	99
53) t-1,3-Dichloropropene	7.86	75	280943	52.343	ug/l	99
54) cis-1,3-Dichloropropene	7.25	75	310495	52.708	ug/l	99
55) 1,1,2-Trichloroethane	8.04	97	200591	51.374	ug/l	98
56) Ethyl methacrylate	8.00	69	284951	48.157	ug/l	98
57) 1,3-Dichloropropane	8.22	76	323981	50.958	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.11	63	508491	253.143	ug/l	98
59) 2-Hexanone	8.34	43	1061024	261.875	ug/l	98
60) Dibromochloromethane	8.45	129	221789	52.959	ug/l	99
61) 1,2-Dibromoethane	8.57	107	200954	52.584	ug/l	99
64) Tetrachloroethene	8.21	164	165162	49.832	ug/l	97
65) Chlorobenzene	9.10	112	510940	52.715	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.19	131	194215	52.505	ug/l	99
67) Ethyl Benzene	9.23	91	850302	53.655	ug/l	99
68) m/p-Xylenes	9.35	106	671969	112.602	ug/l	98
69) o-Xylene	9.76	106	324705	55.637	ug/l	99
70) Styrene	9.77	104	595132	58.162	ug/l	99
71) Bromoform	9.94	173	176462	55.045	ug/l #	99
73) Isopropylbenzene	10.14	105	893569	50.448	ug/l	100
74) N-amyl acetate	9.99	43	374015	52.458	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.43	83	344772	48.088	ug/l	99
76) 1,2,3-Trichloropropane	10.47	75	283233m	47.673	ug/l	
77) Bromobenzene	10.43	156	247891	50.052	ug/l	98
78) n-propylbenzene	10.57	91	1051597	51.407	ug/l	100
79) 2-Chlorotoluene	10.64	91	625579	50.120	ug/l	100
80) 1,3,5-Trimethylbenzene	10.75	105	798175	53.881	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.49	75	94008m	53.213	ug/l	
82) 4-Chlorotoluene	10.75	91	730421	50.852	ug/l	98
83) tert-Butylbenzene	11.08	119	772079	52.099	ug/l	99
84) 1,2,4-Trimethylbenzene	11.13	105	809707	54.300	ug/l	99
85) sec-Butylbenzene	11.30	105	926229	52.942	ug/l	100
86) p-Isopropyltoluene	11.45	119	877539	54.344	ug/l	99
87) 1,3-Dichlorobenzene	11.39	146	465830	51.544	ug/l	99
88) 1,4-Dichlorobenzene	11.48	146	474412	50.328	ug/l	99
89) n-Butylbenzene	11.86	91	770033	54.873	ug/l	100
90) Hexachloroethane	12.12	117	132203	51.172	ug/l	96
91) 1,2-Dichlorobenzene	11.85	146	470472	52.970	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.63	75	73094	55.480	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	333655	51.672	ug/l	99
94) Hexachlorobutadiene	13.67	225	154720	49.799	ug/l	99
95) Naphthalene	13.72	128	909595	50.132	ug/l	100
96) 1,2,3-Trichlorobenzene	13.96	180	332553	53.267	ug/l	100

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

