

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU090619\
 Data File : VU034285.D
 Acq On : 05 Sep 2019 15:49
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/6/2019 3:22:06 PM

Quant Time: Sep 06 08:00:33 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	332070	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	481900	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	471336	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	308351	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.29	65	256848	51.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.24%	
35) Dibromofluoromethane	4.86	113	227411	50.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.44%	
50) Toluene-d8	7.54	98	896767	53.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.46%	
62) 4-Bromofluorobenzene	10.29	95	338004	51.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	167729	48.296	ug/l	97
3) Chloromethane	1.32	50	189889	50.610	ug/l	99
4) Vinyl Chloride	1.40	62	204607	47.278	ug/l	99
5) Bromomethane	1.61	94	119937	55.034	ug/l	98
6) Chloroethane	1.69	64	127972	50.894	ug/l	98
7) Trichlorofluoromethane	1.87	101	279682	48.198	ug/l	98
8) Diethyl Ether	2.09	74	123848	48.521	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.27	101	189856	49.399	ug/l	99
10) Methyl Iodide	2.40	142	153503	44.144	ug/l	99
11) Tert butyl alcohol	2.81	59	277559	261.489	ug/l	99
12) 1,1-Dichloroethene	2.27	96	176759	48.924	ug/l	97
13) Acrolein	2.18	56	173538	194.518	ug/l	99
14) Allyl chloride	2.58	41	337803m	48.906	ug/l	
15) Acrylonitrile	2.92	53	684878	259.102	ug/l	99
16) Acetone	2.31	43	668687	257.182	ug/l	100
17) Carbon Disulfide	2.46	76	371035	45.693	ug/l	100
18) Methyl Acetate	2.60	43	299028	47.265	ug/l	99
19) Methyl tert-butyl Ether	2.98	73	683342	51.891	ug/l	99
20) Methylene Chloride	2.68	84	220657	51.828	ug/l	99
21) trans-1,2-Dichloroethene	2.96	96	186182	48.901	ug/l	99
22) Diisopropyl ether	3.55	45	707131	52.496	ug/l	100
23) Vinyl Acetate	3.50	43	2962361	269.987	ug/l	99
24) 1,1-Dichloroethane	3.42	63	389997	48.481	ug/l	99
25) 2-Butanone	4.23	43	941835	271.365	ug/l	100
26) 2,2-Dichloropropane	4.20	77	327820	50.669	ug/l	100
27) cis-1,2-Dichloroethene	4.20	96	235829	51.000	ug/l	99
28) Bromochloromethane	4.52	49	178510	48.245	ug/l	100
29) Tetrahydrofuran	4.61	42	556286	263.397	ug/l	99
30) Chloroform	4.65	83	388084	47.462	ug/l	98
31) Cyclohexane	4.97	56	292661	49.729	ug/l	98
32) 1,1,1-Trichloroethane	4.89	97	320998	49.101	ug/l	99
36) 1,1-Dichloropropene	5.11	75	262117	50.154	ug/l	99
37) Ethyl Acetate	4.36	43	321971	52.106	ug/l	98
38) Carbon Tetrachloride	5.11	117	273202	48.959	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.39	83	295899	52.963	ug/l	99
40) Benzene	5.37	78	833723	49.438	ug/l	99
41) Methacrylonitrile	4.52	41	177710	53.992	ug/l	99
42) 1,2-Dichloroethane	5.38	62	285621	48.782	ug/l	100
43) Isopropyl Acetate	5.53	43	503218	52.204	ug/l	100
44) Trichloroethene	6.16	130	227508	48.753	ug/l	97
45) 1,2-Dichloropropane	6.41	63	246492	49.998	ug/l	100
46) Dibromomethane	6.54	93	153205	49.507	ug/l	98
47) Bromodichloromethane	6.74	83	313702	49.247	ug/l	99
48) Methyl methacrylate	6.60	41	237107	51.789	ug/l	99
49) 1,4-Dioxane	6.59	88	111400	1114.293	ug/l	100
51) 4-Methyl-2-Pentanone	7.44	43	1712121	256.599	ug/l	100
52) Toluene	7.62	92	539282	50.978	ug/l	99
53) t-1,3-Dichloropropene	7.86	75	344766	52.212	ug/l	99
54) cis-1,3-Dichloropropene	7.25	75	379414	52.353	ug/l	100
55) 1,1,2-Trichloroethane	8.04	97	234665	48.852	ug/l	98
56) Ethyl methacrylate	8.00	69	360739	49.465	ug/l	99
57) 1,3-Dichloropropane	8.22	76	388458	49.663	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.11	63	648140	261.673	ug/l	100
59) 2-Hexanone	8.34	43	1333232	267.470	ug/l	100
60) Dibromochloromethane	8.46	129	260744	50.607	ug/l	98
61) 1,2-Dibromoethane	8.57	107	236393	50.279	ug/l	100
64) Tetrachloroethene	8.21	164	198785	48.613	ug/l	98
65) Chlorobenzene	9.10	112	608677	50.901	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.19	131	230284	50.461	ug/l	100
67) Ethyl Benzene	9.23	91	1047810	53.591	ug/l	99
68) m/p-Xylenes	9.36	106	808118	109.761	ug/l	99
69) o-Xylene	9.76	106	393972	54.716	ug/l	100
70) Styrene	9.77	104	710342	56.269	ug/l	99
71) Bromoform	9.94	173	203358	51.417	ug/l #	99
73) Isopropylbenzene	10.15	105	1078628	53.752	ug/l	100
74) N-amyl acetate	10.00	43	460443	57.004	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.44	83	399779	49.218	ug/l	99
76) 1,2,3-Trichloropropane	10.48	75	334511m	49.699	ug/l	
77) Bromobenzene	10.43	156	290579	51.788	ug/l	100
78) n-propylbenzene	10.57	91	1267085	54.674	ug/l	100
79) 2-Chlorotoluene	10.64	91	754449	53.354	ug/l	100
80) 1,3,5-Trimethylbenzene	10.75	105	935618	55.749	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.49	75	113813m	56.865	ug/l	
82) 4-Chlorotoluene	10.75	91	879228	54.030	ug/l	100
83) tert-Butylbenzene	11.08	119	913543	54.413	ug/l	99
84) 1,2,4-Trimethylbenzene	11.13	105	950391	56.257	ug/l	100
85) sec-Butylbenzene	11.31	105	1108050	55.904	ug/l	100
86) p-Isopropyltoluene	11.46	119	1033543	56.496	ug/l	100
87) 1,3-Dichlorobenzene	11.40	146	534372	52.191	ug/l	100
88) 1,4-Dichlorobenzene	11.49	146	538737	50.447	ug/l	100
89) n-Butylbenzene	11.87	91	944317	59.398	ug/l	100
90) Hexachloroethane	12.13	117	154448	52.769	ug/l	99
91) 1,2-Dichlorobenzene	11.86	146	519875	51.665	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.64	75	80390	53.860	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.49	180	386777	52.792	ug/l	100
94) Hexachlorobutadiene	13.67	225	182133	51.745	ug/l	100
95) Naphthalene	13.72	128	1049225	50.971	ug/l	100
96) 1,2,3-Trichlorobenzene	13.97	180	375992	53.165	ug/l	99

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

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