

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU090319\
 Data File : VU034211.D
 Acq On : 02 Sep 2019 18:42
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/3/2019 1:09:43 PM

Quant Time: Sep 03 07:29:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U082919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 29 04:11:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.96	168	234367	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	435769	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	401251	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	200406	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.29	65	233003	77.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	155.18%	
35) Dibromofluoromethane	4.86	113	189664	62.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	125.50%	
50) Toluene-d8	7.55	98	558137	49.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.64%	
62) 4-Bromofluorobenzene	10.29	95	209485	47.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	78146	33.154	ug/l	99
3) Chloromethane	1.32	50	200630	64.335	ug/l	99
4) Vinyl Chloride	1.40	62	166865	53.190	ug/l	99
5) Bromomethane	1.61	94	111648	77.083	ug/l	99
6) Chloroethane	1.68	64	120229	62.687	ug/l	100
7) Trichlorofluoromethane	1.87	101	148716	40.912	ug/l	99
8) Diethyl Ether	2.09	74	129299	83.150	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.27	101	84051	36.500	ug/l	99
10) Methyl Iodide	2.40	142	126566	38.745	ug/l	99
11) Tert butyl alcohol	2.81	59	276104	398.697	ug/l	99
12) 1,1-Dichloroethene	2.27	96	123317	52.559	ug/l	99
13) Acrolein	2.18	56	78656	269.996	ug/l	99
14) Allyl chloride	2.58	41	298894m	67.756	ug/l	
15) Acrylonitrile	2.92	53	711082	447.472	ug/l	100
16) Acetone	2.31	43	583405	380.742	ug/l	100
17) Carbon Disulfide	2.46	76	324263	43.667	ug/l	100
18) Methyl Acetate	2.60	43	339905	85.841	ug/l	100
19) Methyl tert-butyl Ether	2.98	73	673098	87.557	ug/l	100
20) Methylene Chloride	2.68	84	214660	74.001	ug/l	100
21) trans-1,2-Dichloroethene	2.96	96	147535	57.939	ug/l	99
22) Diisopropyl ether	3.55	45	667966	82.634	ug/l	99
23) Vinyl Acetate	3.50	43	2956522	425.772	ug/l	99
24) 1,1-Dichloroethane	3.42	63	340305	71.307	ug/l	100
25) 2-Butanone	4.23	43	930765	436.607	ug/l	99
26) 2,2-Dichloropropane	4.20	77	179930	46.335	ug/l	96
27) cis-1,2-Dichloroethene	4.20	96	198769	69.546	ug/l	95
28) Bromochloromethane	4.52	49	189167	80.454	ug/l	98
29) Tetrahydrofuran	4.61	42	598521	455.257	ug/l	99
30) Chloroform	4.65	83	331397	69.599	ug/l	98
31) Cyclohexane	4.97	56	150102	33.472	ug/l	98
32) 1,1,1-Trichloroethane	4.89	97	212335	54.449	ug/l	99
36) 1,1-Dichloropropene	5.12	75	155689	37.772	ug/l	99
37) Ethyl Acetate	4.36	43	337504	73.121	ug/l	100
38) Carbon Tetrachloride	5.11	117	155215	39.012	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.40	83	136639	28.126	ug/l	99
40) Benzene	5.37	78	672383	53.917	ug/l	100
41) Methacrylonitrile	4.52	41	184016	77.736	ug/l	99
42) 1,2-Dichloroethane	5.38	62	284301	66.019	ug/l	99
43) Isopropyl Acetate	5.53	43	516189	73.509	ug/l	99
44) Trichloroethene	6.16	130	153745	46.948	ug/l	99
45) 1,2-Dichloropropane	6.41	63	212494	61.900	ug/l	98
46) Dibromomethane	6.54	93	145006	65.564	ug/l	98
47) Bromodichloromethane	6.74	83	270566	62.528	ug/l	98
48) Methyl methacrylate	6.60	41	245356	72.408	ug/l	98
49) 1,4-Dioxane	6.59	88	107135	1261.875	ug/l	99
51) 4-Methyl-2-Pentanone	7.44	43	1770135	365.014	ug/l	99
52) Toluene	7.62	92	366977	47.770	ug/l	100
53) t-1,3-Dichloropropene	7.86	75	285802	59.526	ug/l	99
54) cis-1,3-Dichloropropene	7.25	75	307624	58.646	ug/l	98
55) 1,1,2-Trichloroethane	8.05	97	211446	65.070	ug/l	99
56) Ethyl methacrylate	8.00	69	336624	62.211	ug/l	99
57) 1,3-Dichloropropane	8.22	76	354952	64.332	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.11	63	624717	347.504	ug/l	100
59) 2-Hexanone	8.34	43	1334983	364.656	ug/l	100
60) Dibromochloromethane	8.46	129	221626	63.537	ug/l	99
61) 1,2-Dibromoethane	8.57	107	218456	63.819	ug/l	99
64) Tetrachloroethene	8.21	164	112037	41.577	ug/l	98
65) Chlorobenzene	9.10	112	408108	49.424	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.19	131	168430	56.252	ug/l	100
67) Ethyl Benzene	9.23	91	598939	42.790	ug/l	99
68) m/p-Xylenes	9.36	106	466934	87.731	ug/l	99
69) o-Xylene	9.76	106	242661	47.523	ug/l	99
70) Styrene	9.77	104	451838	51.608	ug/l	100
71) Bromoform	9.94	173	172714	66.391	ug/l #	99
73) Isopropylbenzene	10.15	105	552986	41.080	ug/l	100
74) N-amyl acetate	9.99	43	419277	74.056	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.44	83	367535	71.335	ug/l	99
76) 1,2,3-Trichloropropane	10.47	75	308432m	68.286	ug/l	
77) Bromobenzene	10.43	156	191215	52.806	ug/l	99
78) n-propylbenzene	10.57	91	621660	39.655	ug/l	99
79) 2-Chlorotoluene	10.64	91	422705	44.954	ug/l	99
80) 1,3,5-Trimethylbenzene	10.75	105	493127	43.222	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.49	75	75600m	56.359	ug/l	
82) 4-Chlorotoluene	10.75	91	480687	44.450	ug/l	100
83) tert-Butylbenzene	11.08	119	455057	40.516	ug/l	98
84) 1,2,4-Trimethylbenzene	11.13	105	512134	45.205	ug/l	99
85) sec-Butylbenzene	11.30	105	500272	37.163	ug/l	100
86) p-Isopropyltoluene	11.46	119	471790	38.751	ug/l	99
87) 1,3-Dichlorobenzene	11.40	146	300167	46.823	ug/l	99
88) 1,4-Dichlorobenzene	11.49	146	299669	46.222	ug/l	100
89) n-Butylbenzene	11.87	91	400948	37.353	ug/l	100
90) Hexachloroethane	12.12	117	72905	34.635	ug/l	100
91) 1,2-Dichlorobenzene	11.86	146	316437	51.529	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.64	75	75794	73.842	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	192593	44.224	ug/l	99
94) Hexachlorobutadiene	13.67	225	76641	31.903	ug/l	99
95) Naphthalene	13.72	128	742856	59.050	ug/l	100
96) 1,2,3-Trichlorobenzene	13.97	180	207262	52.687	ug/l	100

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

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