

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U082919\
 Data File : VU034021.D
 Acq On : 28 Aug 2019 14:01
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU082919

Manual Integrations
 APPROVED

MMDadoda
 8/29/2019 8:47:57 AM

Quant Time: Aug 29 04:03:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U082919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 29 03:51:04 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.96	168	449165	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	715791	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	674970	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.47	152	350656	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.29	65	273167	47.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.92%	
35) Dibromofluoromethane	4.86	113	234562	47.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.50%	
50) Toluene-d8	7.55	98	910271	48.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.94%	
62) 4-Bromofluorobenzene	10.29	95	339881	47.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	229024	50.699	ug/l	99
3) Chloromethane	1.32	50	304457	50.487	ug/l	100
4) Vinyl Chloride	1.40	62	294458	48.976	ug/l	99
5) Bromomethane	1.60	94	170964	60.267	ug/l	98
6) Chloroethane	1.68	64	173129	47.101	ug/l	99
7) Trichlorofluoromethane	1.87	101	337282	48.415	ug/l	99
8) Diethyl Ether	2.09	74	147778	49.587	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.27	101	212062	48.051	ug/l	98
10) Methyl Iodide	2.40	142	299006	47.761	ug/l	99
11) Tert butyl alcohol	2.82	59	330695	249.166	ug/l	100
12) 1,1-Dichloroethene	2.27	96	220374	49.009	ug/l	98
13) Acrolein	2.18	56	129563	232.058	ug/l	100
14) Allyl chloride	2.58	41	420162m	49.698	ug/l	
15) Acrylonitrile	2.92	53	767858	252.126	ug/l	100
16) Acetone	2.31	43	697691	237.583	ug/l	100
17) Carbon Disulfide	2.46	76	694253	48.783	ug/l	99
18) Methyl Acetate	2.60	43	343681	45.288	ug/l	99
19) Methyl tert-butyl Ether	2.98	73	757862	51.439	ug/l	100
20) Methylene Chloride	2.68	84	264249	47.532	ug/l	98
21) trans-1,2-Dichloroethene	2.96	96	241956	49.580	ug/l	100
22) Diisopropyl ether	3.55	45	779689	50.329	ug/l	97
23) Vinyl Acetate	3.50	43	3470614	260.791	ug/l	100
24) 1,1-Dichloroethane	3.42	63	455801	49.835	ug/l	100
25) 2-Butanone	4.23	43	1055279	258.291	ug/l	100
26) 2,2-Dichloropropane	4.20	77	370085	49.727	ug/l	99
27) cis-1,2-Dichloroethene	4.20	96	273067	49.852	ug/l	99
28) Bromochloromethane	4.52	49	220821	49.004	ug/l	99
29) Tetrahydrofuran	4.61	42	653056	259.190	ug/l	99
30) Chloroform	4.65	83	432794	47.427	ug/l	98
31) Cyclohexane	4.97	56	408721	47.557	ug/l	99
32) 1,1,1-Trichloroethane	4.89	97	367861	49.220	ug/l	99
36) 1,1-Dichloropropene	5.11	75	328691	48.548	ug/l	100
37) Ethyl Acetate	4.35	43	370291	48.840	ug/l	99
38) Carbon Tetrachloride	5.11	117	323483	49.498	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.40	83	404185	50.650	ug/l	100
40) Benzene	5.37	78	1009334	49.273	ug/l	100
41) Methacrylonitrile	4.52	41	202886	52.178	ug/l	99
42) 1,2-Dichloroethane	5.38	62	341990	48.347	ug/l	98
43) Isopropyl Acetate	5.53	43	583731	50.608	ug/l	100
44) Trichloroethene	6.17	130	269742	50.145	ug/l	96
45) 1,2-Dichloropropane	6.41	63	279887	49.636	ug/l	100
46) Dibromomethane	6.54	93	179007	49.274	ug/l	99
47) Bromodichloromethane	6.74	83	346437	48.741	ug/l	100
48) Methyl methacrylate	6.60	41	289019	51.926	ug/l	99
49) 1,4-Dioxane	6.59	88	141418	1014.051	ug/l	98
51) 4-Methyl-2-Pentanone	7.44	43	1990319	249.859	ug/l	99
52) Toluene	7.62	92	632151	50.096	ug/l	98
53) t-1,3-Dichloropropene	7.86	75	395795	50.186	ug/l	98
54) cis-1,3-Dichloropropene	7.25	75	435486	50.543	ug/l	98
55) 1,1,2-Trichloroethane	8.05	97	259374	48.594	ug/l	99
56) Ethyl methacrylate	8.00	69	416962	47.151	ug/l	99
57) 1,3-Dichloropropane	8.22	76	440345	48.587	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.11	63	743229	251.692	ug/l	99
59) 2-Hexanone	8.34	43	1547239	257.297	ug/l	100
60) Dibromochloromethane	8.46	129	284152	49.594	ug/l	100
61) 1,2-Dibromoethane	8.57	107	273686	48.675	ug/l	99
64) Tetrachloroethene	8.21	164	235601	51.976	ug/l	99
65) Chlorobenzene	9.10	112	701449	50.500	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.19	131	250569	49.748	ug/l	100
67) Ethyl Benzene	9.23	91	1226391	52.085	ug/l	100
68) m/p-Xylenes	9.36	106	944968	105.547	ug/l	100
69) o-Xylene	9.76	106	454588	52.924	ug/l	99
70) Styrene	9.77	104	795024	53.982	ug/l	100
71) Bromoform	9.94	173	222238	50.784	ug/l #	99
73) Isopropylbenzene	10.15	105	1231753	52.296	ug/l	100
74) N-amyl acetate	10.00	43	542629	54.776	ug/l	100
75) 1,1,2,2-Tetrachloroethane	10.44	83	432494	47.975	ug/l	99
76) 1,2,3-Trichloropropane	10.48	75	376022m	47.579	ug/l	
77) Bromobenzene	10.43	156	316675	49.981	ug/l	99
78) n-propylbenzene	10.57	91	1435830	52.345	ug/l	100
79) 2-Chlorotoluene	10.64	91	843421	51.263	ug/l	100
80) 1,3,5-Trimethylbenzene	10.75	105	1068854	53.542	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.49	75	112387m	47.884	ug/l	
82) 4-Chlorotoluene	10.76	91	967993	51.157	ug/l	99
83) tert-Butylbenzene	11.08	119	1022200	52.015	ug/l	99
84) 1,2,4-Trimethylbenzene	11.13	105	1059029	53.425	ug/l	99
85) sec-Butylbenzene	11.30	105	1237675	52.547	ug/l	100
86) p-Isopropyltoluene	11.46	119	1146234	53.807	ug/l	100
87) 1,3-Dichlorobenzene	11.40	146	565795	50.441	ug/l	100
88) 1,4-Dichlorobenzene	11.49	146	565424	49.844	ug/l	100
89) n-Butylbenzene	11.87	91	1015794	54.084	ug/l	99
90) Hexachloroethane	12.12	117	180231	48.935	ug/l	99
91) 1,2-Dichlorobenzene	11.86	146	551079	51.287	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.64	75	94862	52.819	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	383544	50.180	ug/l	98
94) Hexachlorobutadiene	13.67	225	213566	50.809	ug/l	99
95) Naphthalene	13.73	128	1156627	52.743	ug/l	100
96) 1,2,3-Trichlorobenzene	13.97	180	379917	55.196	ug/l	100

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

