

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082819\
 Data File : VU033996.D
 Acq On : 28 Aug 2019 01:28
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 8/28/2019 9:58:17 AM

Quant Time: Aug 28 05:10:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U082819W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 28 02:42:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.96	168	387586	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	632623	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	576608	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.47	152	320226	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.29	65	264013	61.31	ug/l	0.00
Spiked Amount			Recovery	=	122.62%	
35) Dibromofluoromethane	4.86	113	212648	50.01	ug/l	0.00
Spiked Amount			Recovery	=	100.02%	
50) Toluene-d8	7.55	98	728231	46.43	ug/l	0.00
Spiked Amount			Recovery	=	92.86%	
62) 4-Bromofluorobenzene	10.29	95	249504	41.47	ug/l	0.00
Spiked Amount			Recovery	=	82.94%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	219818	56.387	ug/l	99
3) Chloromethane	1.32	50	293086	69.066	ug/l	98
4) Vinyl Chloride	1.40	62	286316	73.567	ug/l	100
5) Bromomethane	1.60	94	126678	53.553	ug/l	100
6) Chloroethane	1.68	64	123706	53.385	ug/l	98
7) Trichlorofluoromethane	1.87	101	249281	48.679	ug/l	99
8) Diethyl Ether	2.09	74	106650	54.905	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	2.27	101	176955	54.107	ug/l	95
10) Methyl Iodide	2.40	142	280961	57.366	ug/l	97
11) Tert butyl alcohol	2.82	59	313335	280.943	ug/l #	85
12) 1,1-Dichloroethene	2.27	96	186207	54.550	ug/l	92
13) Acrolein	2.18	56	96439	272.281	ug/l	98
14) Allyl chloride	2.58	41	392607m	64.958	ug/l	
15) Acrylonitrile	2.92	53	727266	322.566	ug/l	99
16) Acetone	2.31	43	601943	292.053	ug/l	97
17) Carbon Disulfide	2.46	76	638608	56.971	ug/l	99
18) Methyl Acetate	2.60	43	344158	67.794	ug/l	95
19) Methyl tert-butyl Ether	2.98	73	699807	61.028	ug/l	97
20) Methylene Chloride	2.68	84	244506	55.915	ug/l	91
21) trans-1,2-Dichloroethene	2.96	96	219001	56.270	ug/l	91
22) Diisopropyl ether	3.55	45	763895	68.789	ug/l	96
23) Vinyl Acetate	3.50	43	3309805	350.828	ug/l	96
24) 1,1-Dichloroethane	3.42	63	429438	61.766	ug/l	98
25) 2-Butanone	4.23	43	986509	333.905	ug/l	95
26) 2,2-Dichloropropane	4.20	77	270553	46.022	ug/l	99
27) cis-1,2-Dichloroethene	4.20	96	247095	56.716	ug/l	95
28) Bromochloromethane	4.52	49	217329	67.938	ug/l	84
29) Tetrahydrofuran	4.61	42	638602	345.576	ug/l	91
30) Chloroform	4.65	83	410715	57.690	ug/l	99
31) Cyclohexane	4.97	56	381491	60.087	ug/l	94
32) 1,1,1-Trichloroethane	4.89	97	344924	57.549	ug/l	96
36) 1,1-Dichloropropene	5.11	75	304492	52.551	ug/l	98
37) Ethyl Acetate	4.35	43	361846	62.262	ug/l	97
38) Carbon Tetrachloride	5.11	117	299029	50.640	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.40	83	352484	51.411	ug/l	96
40) Benzene	5.37	78	935932	54.328	ug/l	99
41) Methacrylonitrile	4.52	41	196356	65.202	ug/l	94
42) 1,2-Dichloroethane	5.38	62	332079	57.003	ug/l	97
43) Isopropyl Acetate	5.53	43	561214	62.981	ug/l	96
44) Trichloroethene	6.16	130	233304	47.496	ug/l	96
45) 1,2-Dichloropropane	6.41	63	264728	57.437	ug/l	99
46) Dibromomethane	6.54	93	166025	52.967	ug/l	91
47) Bromodichloromethane	6.74	83	328270	54.985	ug/l	99
48) Methyl methacrylate	6.60	41	277741	65.556	ug/l	92
49) 1,4-Dioxane	6.59	88	127816	1099.268	ug/l #	95
51) 4-Methyl-2-Pentanone	7.44	43	1502619	244.571	ug/l	99
52) Toluene	7.62	92	510514	46.996	ug/l	99
53) t-1,3-Dichloropropene	7.86	75	301052	45.600	ug/l	98
54) cis-1,3-Dichloropropene	7.25	75	392783	55.037	ug/l	94
55) 1,1,2-Trichloroethane	8.05	97	213426	46.498	ug/l	98
56) Ethyl methacrylate	8.00	69	331086	45.968	ug/l	98
57) 1,3-Dichloropropane	8.22	76	363079	48.538	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.11	63	743848	274.715	ug/l	94
59) 2-Hexanone	8.34	43	1308646	277.113	ug/l	96
60) Dibromochloromethane	8.46	129	242312	46.944	ug/l	99
61) 1,2-Dibromoethane	8.57	107	234719	48.420	ug/l	99
64) Tetrachloroethene	8.21	164	192337	41.487	ug/l	95
65) Chlorobenzene	9.10	112	580710	48.909	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.19	131	215494	48.679	ug/l	98
67) Ethyl Benzene	9.23	91	1086991	54.907	ug/l	98
68) m/p-Xylenes	9.36	106	846667	110.894	ug/l	96
69) o-Xylene	9.76	106	408662	55.986	ug/l	97
70) Styrene	9.77	104	716593	57.360	ug/l	98
71) Bromoform	9.94	173	187253	47.784	ug/l	98
73) Isopropylbenzene	10.15	105	1099360	53.342	ug/l	98
74) N-amyl acetate	10.00	43	512776	66.282	ug/l	96
75) 1,1,2,2-Tetrachloroethane	10.44	83	323070	43.523	ug/l	100
76) 1,2,3-Trichloropropane	10.48	75	271966m	42.625	ug/l	
77) Bromobenzene	10.43	156	247160	42.438	ug/l	98
78) n-propylbenzene	10.57	91	1052574	45.035	ug/l	99
79) 2-Chlorotoluene	10.64	91	631721	44.793	ug/l	98
80) 1,3,5-Trimethylbenzene	10.76	105	824717	46.723	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.49	75	92752m	41.637	ug/l	
82) 4-Chlorotoluene	10.75	91	741271	45.404	ug/l	99
83) tert-Butylbenzene	11.08	119	883774	51.579	ug/l	98
84) 1,2,4-Trimethylbenzene	11.13	105	901224	52.007	ug/l	98
85) sec-Butylbenzene	11.31	105	1035999	50.661	ug/l	99
86) p-Isopropyltoluene	11.46	119	1003682	52.436	ug/l	99
87) 1,3-Dichlorobenzene	11.40	146	492853	47.704	ug/l	99
88) 1,4-Dichlorobenzene	11.49	146	499924	47.944	ug/l	99
89) n-Butylbenzene	11.87	91	890198	55.647	ug/l	98
90) Hexachloroethane	12.13	117	169408	53.510	ug/l	85
91) 1,2-Dichlorobenzene	11.86	146	494592	48.632	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.64	75	87029	58.532	ug/l	87

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.49	180	318900	44.772	ug/l	98
94) Hexachlorobutadiene	13.67	225	176044	42.223	ug/l	99
95) Naphthalene	13.73	128	953311	48.301	ug/l	100
96) 1,2,3-Trichlorobenzene	13.97	180	323353	49.757	ug/l	98

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

