

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082819\
 Data File : VU033994.D
 Acq On : 27 Aug 2019 23:52
 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
 8/28/2019 9:58:12 AM

Quant Time: Aug 28 05:06:14 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	385377	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	620001	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	590092	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.47	152	306383	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	273348	63.85	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	127.70%	
35) Dibromofluoromethane	4.86	113	220469	52.90	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	105.80%	
50) Toluene-d8	7.55	98	716372	46.60	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	93.20%	
62) 4-Bromofluorobenzene	10.29	95	295737	50.15	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.30%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	219719	56.684	ug/l	99
3) Chloromethane	1.32	50	283196	67.143	ug/l	98
4) Vinyl Chloride	1.40	62	263740	68.154	ug/l	99
5) Bromomethane	1.61	94	120672	51.307	ug/l	100
6) Chloroethane	1.68	64	137660	59.748	ug/l	98
7) Trichlorofluoromethane	1.87	101	277729	54.545	ug/l	99
8) Diethyl Ether	2.09	74	114077	59.065	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	2.27	101	184011	56.587	ug/l	95
10) Methyl Iodide	2.40	142	279693	57.434	ug/l	96
11) Tert butyl alcohol	2.83	59	300709	271.168	ug/l	99
12) 1,1-Dichloroethene	2.27	96	191907	56.542	ug/l	92
13) Acrolein	2.18	56	109018	309.560	ug/l	99
14) Allyl chloride	2.58	41	392034	65.235	ug/l	95
15) Acrylonitrile	2.92	53	712491	317.824	ug/l	99
16) Acetone	2.31	43	610157	297.735	ug/l	97
17) Carbon Disulfide	2.46	76	636094	57.072	ug/l	99
18) Methyl Acetate	2.60	43	342188	67.793	ug/l	95
19) Methyl tert-butyl Ether	2.98	73	699988	61.393	ug/l	98
20) Methylene Chloride	2.68	84	240432	55.299	ug/l	91
21) trans-1,2-Dichloroethene	2.96	96	218336	56.420	ug/l	92
22) Diisopropyl ether	3.55	45	765939	69.368	ug/l	96
23) Vinyl Acetate	3.50	43	3333422	355.357	ug/l	96
24) 1,1-Dichloroethane	3.42	63	428180	61.938	ug/l	98
25) 2-Butanone	4.24	43	981731	334.193	ug/l	94
26) 2,2-Dichloropropane	4.20	77	286078	48.942	ug/l	98
27) cis-1,2-Dichloroethene	4.20	96	245894	56.763	ug/l	94
28) Bromochloromethane	4.52	49	216137	67.953	ug/l	83
29) Tetrahydrofuran	4.61	42	636837	346.597	ug/l	92
30) Chloroform	4.65	83	413583	58.425	ug/l	99
31) Cyclohexane	4.97	56	391380	61.998	ug/l	93
32) 1,1,1-Trichloroethane	4.89	97	348300	58.446	ug/l	97
36) 1,1-Dichloropropene	5.11	75	310540	54.686	ug/l	97
37) Ethyl Acetate	4.36	43	364487	63.993	ug/l	97
38) Carbon Tetrachloride	5.11	117	298764	51.625	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.40	83	322319	47.968	ug/l	98
40) Benzene	5.37	78	927489	54.934	ug/l	100
41) Methacrylonitrile	4.52	41	193280	65.487	ug/l	95
42) 1,2-Dichloroethane	5.38	62	329001	57.625	ug/l	98
43) Isopropyl Acetate	5.53	43	552603	63.277	ug/l	96
44) Trichloroethene	6.16	130	226433	47.035	ug/l	93
45) 1,2-Dichloropropane	6.41	63	233342	51.658	ug/l	97
46) Dibromomethane	6.54	93	155078	50.482	ug/l	94
47) Bromodichloromethane	6.74	83	295239	50.459	ug/l	98
48) Methyl methacrylate	6.60	41	250598	60.353	ug/l	93
49) 1,4-Dioxane	6.61	88	127138	1115.697	ug/l #	96
51) 4-Methyl-2-Pentanone	7.44	43	1407733	233.792	ug/l	99
52) Toluene	7.62	92	494185	46.419	ug/l	99
53) t-1,3-Dichloropropene	7.86	75	331040	51.163	ug/l	99
54) cis-1,3-Dichloropropene	7.25	75	306991	43.891	ug/l	98
55) 1,1,2-Trichloroethane	8.05	97	228386	50.770	ug/l	98
56) Ethyl methacrylate	8.00	69	357151	50.343	ug/l	94
57) 1,3-Dichloropropane	8.22	76	387610	52.872	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.11	63	754167	283.637	ug/l	94
59) 2-Hexanone	8.35	43	1423569	307.585	ug/l	94
60) Dibromochloromethane	8.46	129	249969	49.414	ug/l	100
61) 1,2-Dibromoethane	8.57	107	241508	50.835	ug/l	99
64) Tetrachloroethene	8.21	164	190368	40.124	ug/l	97
65) Chlorobenzene	9.10	112	597679	49.188	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.19	131	221439	48.879	ug/l	99
67) Ethyl Benzene	9.23	91	1049360	51.795	ug/l	100
68) m/p-Xylenes	9.36	106	808486	103.473	ug/l	97
69) o-Xylene	9.76	106	379701	50.830	ug/l	95
70) Styrene	9.77	104	666975	52.168	ug/l	97
71) Bromoform	9.94	173	182844	45.593	ug/l #	100
73) Isopropylbenzene	10.15	105	1030456	52.258	ug/l	98
74) N-amyl acetate	10.00	43	496233	67.041	ug/l	95
75) 1,1,2,2-Tetrachloroethane	10.44	83	393409	55.393	ug/l	99
76) 1,2,3-Trichloropropane	10.48	75	338461m	55.443	ug/l	
77) Bromobenzene	10.43	156	261563	46.940	ug/l	90
78) n-propylbenzene	10.57	91	1216962	54.421	ug/l	97
79) 2-Chlorotoluene	10.64	91	717052	53.141	ug/l	97
80) 1,3,5-Trimethylbenzene	10.76	105	898517	53.204	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.49	75	116641m	54.726	ug/l	
82) 4-Chlorotoluene	10.75	91	832496	53.295	ug/l	97
83) tert-Butylbenzene	11.08	119	846347	51.627	ug/l	98
84) 1,2,4-Trimethylbenzene	11.13	105	907175	54.715	ug/l	98
85) sec-Butylbenzene	11.31	105	1027011	52.490	ug/l	99
86) p-Isopropyltoluene	11.46	119	947972	51.764	ug/l	98
87) 1,3-Dichlorobenzene	11.40	146	475380	48.091	ug/l	98
88) 1,4-Dichlorobenzene	11.49	146	474926	47.604	ug/l	98
89) n-Butylbenzene	11.87	91	862360	56.342	ug/l	98
90) Hexachloroethane	12.12	117	158763	52.413	ug/l	86
91) 1,2-Dichlorobenzene	11.86	146	476932	49.014	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.64	75	92543	65.052	ug/l	82

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.48	180	312059	45.751	ug/l	100
94) Hexachlorobutadiene	13.67	225	177535	44.505	ug/l	98
95) Naphthalene	13.73	128	957818	50.618	ug/l	100
96) 1,2,3-Trichlorobenzene	13.97	180	337466	54.275	ug/l	99

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

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