

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082719\
 Data File : VU033959.D
 Acq On : 26 Aug 2019 19:24
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU082719

Manual Integrations
 APPROVED

MMDadoda
 8/27/2019 12:17:14 PM

Quant Time: Aug 27 07:07:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U082719W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 27 06:58:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.95	168	421223	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	701246	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	671158	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	353242	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.28	65	302222	49.93	ug/l	0.00
Spiked Amount			Recovery	=	99.86%	
35) Dibromofluoromethane	4.86	113	234082	47.99	ug/l	0.00
Spiked Amount			Recovery	=	95.98%	
50) Toluene-d8	7.54	98	896529	49.69	ug/l	0.00
Spiked Amount			Recovery	=	99.38%	
62) 4-Bromofluorobenzene	10.29	95	335191	48.19	ug/l	0.00
Spiked Amount			Recovery	=	96.38%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	247644	50.349	ug/l	98
3) Chloromethane	1.32	50	297028	48.816	ug/l	100
4) Vinyl Chloride	1.39	62	320173	48.244	ug/l	99
5) Bromomethane	1.60	94	177044	61.481	ug/l	98
6) Chloroethane	1.68	64	195347	46.696	ug/l	99
7) Trichlorofluoromethane	1.87	101	364684	46.160	ug/l	99
8) Diethyl Ether	2.09	74	159384	46.958	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.27	101	216247	47.389	ug/l	100
10) Methyl Iodide	2.39	142	254489	40.251	ug/l	99
11) Tert butyl alcohol	2.80	59	299005	236.339	ug/l	100
12) 1,1-Dichloroethene	2.27	96	220395	47.103	ug/l	98
13) Acrolein	2.18	56	180600	240.036	ug/l	100
14) Allyl chloride	2.57	41	388489	46.251	ug/l	97
15) Acrylonitrile	2.91	53	826079	248.089	ug/l	99
16) Acetone	2.30	43	750178	208.211	ug/l	99
17) Carbon Disulfide	2.46	76	727909	46.914	ug/l	99
18) Methyl Acetate	2.59	43	385167	47.906	ug/l	100
19) Methyl tert-butyl Ether	2.98	73	765520	51.187	ug/l	100
20) Methylene Chloride	2.68	84	261198	45.204	ug/l	99
21) trans-1,2-Dichloroethene	2.96	96	244602	47.449	ug/l	99
22) Diisopropyl ether	3.54	45	832236	51.250	ug/l	98
23) Vinyl Acetate	3.50	43	3696425	274.670	ug/l	100
24) 1,1-Dichloroethane	3.42	63	468114	47.082	ug/l	100
25) 2-Butanone	4.23	43	1132972	243.318	ug/l	100
26) 2,2-Dichloropropane	4.20	77	373531	46.333	ug/l	99
27) cis-1,2-Dichloroethene	4.20	96	270228	48.879	ug/l	100
28) Bromochloromethane	4.52	49	232481	48.002	ug/l	99
29) Tetrahydrofuran	4.61	42	720195	255.708	ug/l	99
30) Chloroform	4.65	83	444173	45.024	ug/l	99
31) Cyclohexane	4.97	56	429655	48.861	ug/l	98
32) 1,1,1-Trichloroethane	4.89	97	376688	46.700	ug/l	100
36) 1,1-Dichloropropene	5.11	75	345315	47.693	ug/l	99
37) Ethyl Acetate	4.35	43	415266	48.449	ug/l	99
38) Carbon Tetrachloride	5.11	117	325129	45.094	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.39	83	403002	50.281	ug/l	99
40) Benzene	5.36	78	1020144	47.410	ug/l	100
41) Methacrylonitrile	4.51	41	223440	51.730	ug/l	99
42) 1,2-Dichloroethane	5.38	62	367995	46.319	ug/l	99
43) Isopropyl Acetate	5.52	43	632970	50.348	ug/l	100
44) Trichloroethene	6.16	130	254590	45.716	ug/l	98
45) 1,2-Dichloropropane	6.41	63	278385	46.733	ug/l	99
46) Dibromomethane	6.54	93	181089	47.303	ug/l	99
47) Bromodichloromethane	6.73	83	358100	46.258	ug/l	99
48) Methyl methacrylate	6.60	41	304404	46.611	ug/l	99
49) 1,4-Dioxane	6.59	88	118829	931.264	ug/l	99
51) 4-Methyl-2-Pentanone	7.44	43	2096602	245.649	ug/l	99
52) Toluene	7.62	92	616260	49.318	ug/l	99
53) t-1,3-Dichloropropene	7.86	75	409285	50.763	ug/l	99
54) cis-1,3-Dichloropropene	7.25	75	443960	49.679	ug/l	99
55) 1,1,2-Trichloroethane	8.04	97	250175	45.394	ug/l	99
56) Ethyl methacrylate	8.00	69	412799	46.565	ug/l	98
57) 1,3-Dichloropropane	8.22	76	451461	47.167	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.11	63	722712	214.641	ug/l	99
59) 2-Hexanone	8.34	43	1609073	247.266	ug/l	99
60) Dibromochloromethane	8.46	129	273275	47.630	ug/l	100
61) 1,2-Dibromoethane	8.57	107	271761	47.562	ug/l	99
64) Tetrachloroethene	8.21	164	219095	45.529	ug/l	99
65) Chlorobenzene	9.10	112	658437	47.597	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.19	131	240655	47.022	ug/l	99
67) Ethyl Benzene	9.23	91	1173750	51.613	ug/l	100
68) m/p-Xylenes	9.35	106	890033	106.278	ug/l	99
69) o-Xylene	9.76	106	422912	52.829	ug/l	100
70) Styrene	9.77	104	740414	53.394	ug/l	100
71) Bromoform	9.94	173	207033	48.047	ug/l #	98
73) Isopropylbenzene	10.15	105	1149648	52.658	ug/l	99
74) N-amyl acetate	10.00	43	543565	47.352	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.44	83	434679	46.527	ug/l	99
76) 1,2,3-Trichloropropane	10.48	75	367605m	44.982	ug/l	
77) Bromobenzene	10.43	156	287239	49.281	ug/l	100
78) n-propylbenzene	10.57	91	1363368	52.230	ug/l	100
79) 2-Chlorotoluene	10.64	91	805175	51.510	ug/l	99
80) 1,3,5-Trimethylbenzene	10.75	105	979185	52.480	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.49	75	138487m	45.186	ug/l	
82) 4-Chlorotoluene	10.75	91	940224	51.172	ug/l	100
83) tert-Butylbenzene	11.08	119	923659	52.911	ug/l	99
84) 1,2,4-Trimethylbenzene	11.13	105	974765	53.627	ug/l	100
85) sec-Butylbenzene	11.31	105	1152113	52.610	ug/l	100
86) p-Isopropyltoluene	11.46	119	1052970	53.034	ug/l	100
87) 1,3-Dichlorobenzene	11.40	146	527988	47.797	ug/l	100
88) 1,4-Dichlorobenzene	11.49	146	526696	46.206	ug/l	100
89) n-Butylbenzene	11.87	91	984567	46.997	ug/l	100
90) Hexachloroethane	12.12	117	189890	48.836	ug/l	100
91) 1,2-Dichlorobenzene	11.86	146	514016	48.644	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.64	75	96641	50.388	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.49	180	360670	47.583	ug/l	100
94) Hexachlorobutadiene	13.67	225	191526	48.497	ug/l	100
95) Naphthalene	13.73	128	1083323	47.595	ug/l	100
96) 1,2,3-Trichlorobenzene	13.97	180	359512	48.356	ug/l	98

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

