

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082719\
 Data File : VU033962.D
 Acq On : 26 Aug 2019 20:59
 Operator : JC/SP
 Sample : VU0827WBSD01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0827WBSD01

Manual Integrations
 APPROVED

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

Quant Time: Aug 27 08:18:21 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	387838	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	641980	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	634847	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	307144	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	290828	52.18	ug/l	0.00
Spiked Amount			Recovery	=	104.36%	
35) Dibromofluoromethane	4.86	113	222549	49.84	ug/l	0.00
Spiked Amount			Recovery	=	99.68%	
50) Toluene-d8	7.54	98	844765	51.14	ug/l	0.00
Spiked Amount			Recovery	=	102.28%	
62) 4-Bromofluorobenzene	10.29	95	305712	48.01	ug/l	0.00
Spiked Amount			Recovery	=	96.02%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	94931	20.962	ug/l	97
3) Chloromethane	1.32	50	120397	21.490	ug/l	100
4) Vinyl Chloride	1.39	62	124913	20.442	ug/l	98
5) Bromomethane	1.60	94	67899	20.015	ug/l	97
6) Chloroethane	1.68	64	75954	19.719	ug/l	99
7) Trichlorofluoromethane	1.87	101	141571	19.462	ug/l	99
8) Diethyl Ether	2.09	74	58114	18.595	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.27	101	85978	20.463	ug/l	98
10) Methyl Iodide	2.39	142	113812	22.247	ug/l	99
11) Tert butyl alcohol	2.81	59	127980	109.866	ug/l	100
12) 1,1-Dichloroethene	2.26	96	89143	20.692	ug/l	98
13) Acrolein	2.18	56	75036	108.315	ug/l	99
14) Allyl chloride	2.57	41	151224	19.554	ug/l	99
15) Acrylonitrile	2.91	53	327545	106.836	ug/l	100
16) Acetone	2.30	43	297629	89.717	ug/l	98
17) Carbon Disulfide	2.46	76	281806	19.726	ug/l	98
18) Methyl Acetate	2.60	43	151431	20.456	ug/l	98
19) Methyl tert-butyl Ether	2.98	73	297248	21.587	ug/l	99
20) Methylene Chloride	2.68	84	103789	19.508	ug/l	98
21) trans-1,2-Dichloroethene	2.96	96	94324	19.872	ug/l	98
22) Diisopropyl ether	3.54	45	321571	21.507	ug/l	95
23) Vinyl Acetate	3.50	43	1367419	110.355	ug/l	100
24) 1,1-Dichloroethane	3.42	63	185710	20.286	ug/l	99
25) 2-Butanone	4.23	43	441753	103.038	ug/l	100
26) 2,2-Dichloropropane	4.20	77	138556	18.666	ug/l	100
27) cis-1,2-Dichloroethene	4.20	96	105606	20.747	ug/l	97
28) Bromochloromethane	4.52	49	91611	20.544	ug/l	100
29) Tetrahydrofuran	4.61	42	283289	109.241	ug/l	100
30) Chloroform	4.65	83	179211	19.730	ug/l	98
31) Cyclohexane	4.97	56	170880	21.106	ug/l	98
32) 1,1,1-Trichloroethane	4.89	97	149741	20.162	ug/l	98
36) 1,1-Dichloropropene	5.11	75	131243	19.800	ug/l	99
37) Ethyl Acetate	4.35	43	160192	20.415	ug/l	99
38) Carbon Tetrachloride	5.11	117	126716	19.197	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.39	83	147256	20.069	ug/l	98
40) Benzene	5.36	78	399908	20.301	ug/l	100
41) Methacrylonitrile	4.51	41	84728	21.427	ug/l	98
42) 1,2-Dichloroethane	5.38	62	145886	20.057	ug/l	98
43) Isopropyl Acetate	5.52	43	241680	20.999	ug/l	100
44) Trichloroethene	6.16	130	97786	19.180	ug/l	98
45) 1,2-Dichloropropane	6.41	63	107603	19.731	ug/l	99
46) Dibromomethane	6.54	93	70774	20.194	ug/l	96
47) Bromodichloromethane	6.73	83	139522	19.687	ug/l	99
48) Methyl methacrylate	6.60	41	111880	20.097	ug/l	98
49) 1,4-Dioxane	6.59	88	52864	452.542	ug/l	99
51) 4-Methyl-2-Pentanone	7.44	43	815976	104.430	ug/l	99
52) Toluene	7.62	92	238816	20.876	ug/l	100
53) t-1,3-Dichloropropene	7.86	75	149231	20.217	ug/l	99
54) cis-1,3-Dichloropropene	7.25	75	167489	20.472	ug/l	97
55) 1,1,2-Trichloroethane	8.05	97	97486	19.322	ug/l	99
56) Ethyl methacrylate	8.00	69	146726	20.120	ug/l	99
57) 1,3-Dichloropropane	8.22	76	173373	19.785	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.11	63	227488	89.381	ug/l	99
59) 2-Hexanone	8.34	43	623364	104.635	ug/l	100
60) Dibromochloromethane	8.46	129	102647	19.542	ug/l	99
61) 1,2-Dibromoethane	8.57	107	105039	20.080	ug/l	99
64) Tetrachloroethene	8.21	164	87788	19.286	ug/l	97
65) Chlorobenzene	9.10	112	260207	19.886	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.19	131	95357	19.698	ug/l	100
67) Ethyl Benzene	9.23	91	447685	20.812	ug/l	100
68) m/p-Xylenes	9.36	106	338806	42.770	ug/l	99
69) o-Xylene	9.76	106	155549	20.542	ug/l	99
70) Styrene	9.77	104	270478	20.621	ug/l	100
71) Bromoform	9.94	173	79105	19.408	ug/l #	96
73) Isopropylbenzene	10.15	105	426513	22.468	ug/l	100
74) N-amyl acetate	10.00	43	188160	21.012	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.44	83	168484	20.741	ug/l	99
76) 1,2,3-Trichloropropane	10.48	75	151430m	21.311	ug/l	
77) Bromobenzene	10.43	156	110504	21.804	ug/l	97
78) n-propylbenzene	10.57	91	501026	22.075	ug/l	100
79) 2-Chlorotoluene	10.64	91	302603	22.264	ug/l	99
80) 1,3,5-Trimethylbenzene	10.75	105	360435	22.217	ug/l	98
81) trans-1,4-Dichloro-2-buten	10.49	75	49469m	18.563	ug/l	
82) 4-Chlorotoluene	10.75	91	347528	21.753	ug/l	100
83) tert-Butylbenzene	11.08	119	340029	22.402	ug/l	99
84) 1,2,4-Trimethylbenzene	11.13	105	364623	23.071	ug/l	99
85) sec-Butylbenzene	11.31	105	419759	22.045	ug/l	99
86) p-Isopropyltoluene	11.46	119	382588	22.161	ug/l	99
87) 1,3-Dichlorobenzene	11.40	146	196323	20.440	ug/l	99
88) 1,4-Dichlorobenzene	11.49	146	199255	20.104	ug/l	99
89) n-Butylbenzene	11.87	91	330289	19.773	ug/l	100
90) Hexachloroethane	12.13	117	71576	21.171	ug/l	95
91) 1,2-Dichlorobenzene	11.86	146	190772	20.763	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.64	75	36470	21.869	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	111612	19.166	ug/l	98
94) Hexachlorobutadiene	13.67	225	67704	19.717	ug/l	99
95) Naphthalene	13.73	128	315461	18.938	ug/l	100
96) 1,2,3-Trichlorobenzene	13.97	180	116352	19.899	ug/l	98

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

