

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082819\
 Data File : VU033977.D
 Acq On : 27 Aug 2019 16:42
 Operator : JC/SP
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 8/28/2019 9:57:58 AM

Quant Time: Aug 28 02:34:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U082819W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 28 02:26:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.96	168	347128	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	517394	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	518692	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.47	152	290009	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	548700	113.18	ug/l	0.00
Spiked Amount			Recovery	=	226.36%	
35) Dibromofluoromethane	4.86	113	492211	135.13	ug/l	0.00
Spiked Amount			Recovery	=	270.26%	
50) Toluene-d8	7.55	98	1904551	141.64	ug/l	0.00
Spiked Amount			Recovery	=	283.28%	
62) 4-Bromofluorobenzene	10.29	95	763297	148.61	ug/l	0.00
Spiked Amount			Recovery	=	297.22%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	517103	131.404	ug/l	99
3) Chloromethane	1.32	50	579939	123.141	ug/l	100
4) Vinyl Chloride	1.40	62	511716	100.138	ug/l	100
5) Bromomethane	1.59	94	307852	109.980	ug/l	99
6) Chloroethane	1.66	64	285995	88.995	ug/l	98
7) Trichlorofluoromethane	1.86	101	661586	106.450	ug/l	100
8) Diethyl Ether	2.09	74	251381	95.449	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.26	101	417218	114.269	ug/l	99
10) Methyl Iodide	2.39	142	682917	167.845	ug/l	100
11) Tert butyl alcohol	2.84	59	716422	701.954	ug/l #	85
12) 1,1-Dichloroethene	2.26	96	429406	114.610	ug/l	97
13) Acrolein	2.18	56	228729	413.168	ug/l	99
14) Allyl chloride	2.57	41	781942	115.888	ug/l	100
15) Acrylonitrile	2.92	53	1524573	584.278	ug/l	99
16) Acetone	2.31	43	1228435	436.822	ug/l	100
17) Carbon Disulfide	2.45	76	1408612	114.472	ug/l	99
18) Methyl Acetate	2.60	43	662774	105.455	ug/l	100
19) Methyl tert-butyl Ether	2.98	73	1540448	129.036	ug/l	99
20) Methylene Chloride	2.68	84	542127	117.106	ug/l	99
21) trans-1,2-Dichloroethene	2.95	96	503136	122.000	ug/l	100
22) Diisopropyl ether	3.55	45	1452686	113.931	ug/l	94
23) Vinyl Acetate	3.50	43	6527120	621.382	ug/l	99
24) 1,1-Dichloroethane	3.42	63	899262	113.716	ug/l	100
25) 2-Butanone	4.24	43	2020499	556.763	ug/l	99
26) 2,2-Dichloropropane	4.20	77	745939	115.910	ug/l	100
27) cis-1,2-Dichloroethene	4.19	96	575036	129.609	ug/l	98
28) Bromochloromethane	4.52	49	392835	101.465	ug/l	98
29) Tetrahydrofuran	4.61	42	1238767	566.346	ug/l	99
30) Chloroform	4.65	83	878225	111.282	ug/l	99
31) Cyclohexane	4.97	56	798508	115.488	ug/l	100
32) 1,1,1-Trichloroethane	4.89	97	787001	121.488	ug/l	100
36) 1,1-Dichloropropene	5.11	75	683695	130.866	ug/l	99
37) Ethyl Acetate	4.35	43	718047	118.328	ug/l	99
38) Carbon Tetrachloride	5.11	117	708119	134.571	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.39	83	861462	147.980	ug/l	98
40) Benzene	5.36	78	2042844	131.459	ug/l	99
41) Methacrylonitrile	4.52	41	391486	128.585	ug/l	99
42) 1,2-Dichloroethane	5.38	62	678442	119.455	ug/l	99
43) Isopropyl Acetate	5.53	43	1162666	130.997	ug/l	100
44) Trichloroethene	6.16	130	585485	142.651	ug/l	98
45) 1,2-Dichloropropane	6.41	63	553971	129.273	ug/l	98
46) Dibromomethane	6.54	93	375682	135.117	ug/l	99
47) Bromodichloromethane	6.74	83	735549	131.866	ug/l	99
48) Methyl methacrylate	6.60	41	574703	144.108	ug/l	99
49) 1,4-Dioxane	6.60	88	317120	3367.246	ug/l #	95
51) 4-Methyl-2-Pentanone	7.45	43	3963405	659.359	ug/l	99
52) Toluene	7.62	92	1338926	147.516	ug/l	99
53) t-1,3-Dichloropropene	7.86	75	878892	152.108	ug/l	99
54) cis-1,3-Dichloropropene	7.25	75	925578	143.786	ug/l	99
55) 1,1,2-Trichloroethane	8.05	97	570743	143.405	ug/l	98
56) Ethyl methacrylate	8.00	69	935548	173.033	ug/l	98
57) 1,3-Dichloropropane	8.22	76	934285	135.784	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.11	63	1783615	924.130	ug/l	98
59) 2-Hexanone	8.35	43	3069365	669.594	ug/l	99
60) Dibromochloromethane	8.46	129	675905	160.896	ug/l	100
61) 1,2-Dibromoethane	8.57	107	615189	148.708	ug/l	100
64) Tetrachloroethene	8.21	164	558532	145.844	ug/l	99
65) Chlorobenzene	9.10	112	1588196	148.342	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.19	131	612010	154.004	ug/l	100
67) Ethyl Benzene	9.23	91	2697551	154.312	ug/l	100
68) m/p-Xylenes	9.36	106	2100725	324.629	ug/l	100
69) o-Xylene	9.76	106	1027477	166.003	ug/l	100
70) Styrene	9.77	104	1837454	171.853	ug/l	99
71) Bromoform	9.94	173	578238	172.130	ug/l #	100
73) Isopropylbenzene	10.15	105	2793019	156.204	ug/l	100
74) N-amyl acetate	10.00	43	1132800	150.869	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.44	83	943672	126.055	ug/l	99
76) 1,2,3-Trichloropropane	10.48	75	808835m	122.724	ug/l	
77) Bromobenzene	10.44	156	770235	159.613	ug/l	99
78) n-propylbenzene	10.57	91	3210914	151.815	ug/l	100
79) 2-Chlorotoluene	10.64	91	1873749	147.669	ug/l	100
80) 1,3,5-Trimethylbenzene	10.76	105	2443853	159.750	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.49	75	290555m	120.391	ug/l	
82) 4-Chlorotoluene	10.76	91	2194335	147.355	ug/l	99
83) tert-Butylbenzene	11.08	119	2407492	168.069	ug/l	99
84) 1,2,4-Trimethylbenzene	11.13	105	2456308	165.258	ug/l	100
85) sec-Butylbenzene	11.31	105	2871255	160.445	ug/l	100
86) p-Isopropyltoluene	11.46	119	2715630	166.496	ug/l	99
87) 1,3-Dichlorobenzene	11.40	146	1377241	151.421	ug/l	99
88) 1,4-Dichlorobenzene	11.49	146	1363867	145.206	ug/l	99
89) n-Butylbenzene	11.87	91	2356998	161.974	ug/l	99
90) Hexachloroethane	12.13	117	459161	146.326	ug/l	99
91) 1,2-Dichlorobenzene	11.86	146	1339040	153.448	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.64	75	217871	141.517	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.49	180	1003023	190.393	ug/l	100
94) Hexachlorobutadiene	13.68	225	558410	168.294	ug/l	98
95) Naphthalene	13.73	128	2785638	193.271	ug/l	100
96) 1,2,3-Trichlorobenzene	13.97	180	968807	182.950	ug/l	99

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

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