

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082919\
 Data File : VU034019.D
 Acq On : 28 Aug 2019 13:13
 Operator : JC/SP
 Sample : VSTDIC100
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC100

Manual Integrations
 APPROVED

MMDadoda
 8/29/2019 8:47:14 AM

Quant Time: Aug 29 03:46:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U082919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 29 03:17:02 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.96	168	469236	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	738954	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	744174	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.47	152	394905	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.28	65	577275	105.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	211.82%	
35) Dibromofluoromethane	4.86	113	489613	97.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	194.34%	
50) Toluene-d8	7.55	98	1941787	103.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	207.24%	
62) 4-Bromofluorobenzene	10.29	95	761960	105.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	210.26%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.20	85	481522	99.398	ug/l	100
3) Chloromethane	1.32	50	604732	98.671	ug/l	100
4) Vinyl Chloride	1.40	62	612758	119.738	ug/l	100
5) Bromomethane	1.60	94	275018	92.010	ug/l	97
6) Chloroethane	1.66	64	349416	114.785	ug/l	100
7) Trichlorofluoromethane	1.86	101	700408	107.679	ug/l	99
8) Diethyl Ether	2.09	74	303476	120.078	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.26	101	433263	105.317	ug/l	99
10) Methyl Iodide	2.39	142	664444	107.439	ug/l	99
11) Tert butyl alcohol	2.84	59	714550	513.234	ug/l	100
12) 1,1-Dichloroethene	2.26	96	447432	104.064	ug/l	99
13) Acrolein	2.18	56	255398	543.097	ug/l	99
14) Allyl chloride	2.57	41	866504	112.407	ug/l	98
15) Acrylonitrile	2.92	53	1616689	563.978	ug/l	100
16) Acetone	2.31	43	1415879	536.535	ug/l	100
17) Carbon Disulfide	2.45	76	1409835	100.163	ug/l	99
18) Methyl Acetate	2.60	43	719629	111.054	ug/l	99
19) Methyl tert-butyl Ether	2.98	73	1538679	106.774	ug/l	99
20) Methylene Chloride	2.68	84	538190	98.302	ug/l	98
21) trans-1,2-Dichloroethene	2.96	96	486833	100.147	ug/l	100
22) Diisopropyl ether	3.55	45	1587581	111.915	ug/l	95
23) Vinyl Acetate	3.50	43	7119709	588.979	ug/l	100
24) 1,1-Dichloroethane	3.42	63	926465	105.761	ug/l	100
25) 2-Butanone	4.23	43	2209299	583.289	ug/l	99
26) 2,2-Dichloropropane	4.19	77	750990	101.948	ug/l	99
27) cis-1,2-Dichloroethene	4.20	96	560912	102.893	ug/l	99
28) Bromochloromethane	4.52	49	455747	112.005	ug/l	100
29) Tetrahydrofuran	4.61	42	1352488	573.165	ug/l	99
30) Chloroform	4.65	83	880142	98.803	ug/l	98
31) Cyclohexane	4.97	56	831432	102.582	ug/l	99
32) 1,1,1-Trichloroethane	4.89	97	754442	101.163	ug/l	100
36) 1,1-Dichloropropene	5.11	75	682535	98.600	ug/l	99
37) Ethyl Acetate	4.35	43	776303	109.990	ug/l	99
38) Carbon Tetrachloride	5.11	117	656034	94.007	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.39	83	850981	104.024	ug/l	99
40) Benzene	5.36	78	2058341	99.894	ug/l	100
41) Methacrylonitrile	4.52	41	427861	116.399	ug/l	99
42) 1,2-Dichloroethane	5.38	62	698554	99.890	ug/l	99
43) Isopropyl Acetate	5.53	43	1254798	115.623	ug/l	100
44) Trichloroethene	6.16	130	545699	94.386	ug/l	97
45) 1,2-Dichloropropane	6.41	63	576231	103.723	ug/l	99
46) Dibromomethane	6.54	93	371655	99.562	ug/l	99
47) Bromodichloromethane	6.74	83	726974	101.900	ug/l	99
48) Methyl methacrylate	6.60	41	629953	120.878	ug/l	99
49) 1,4-Dioxane	6.59	88	310868	2256.333	ug/l	98
51) 4-Methyl-2-Pentanone	7.44	43	4347543	578.623	ug/l	99
52) Toluene	7.62	92	1326820	102.265	ug/l	99
53) t-1,3-Dichloropropene	7.86	75	871935	109.697	ug/l	99
54) cis-1,3-Dichloropropene	7.25	75	926266	108.264	ug/l	99
55) 1,1,2-Trichloroethane	8.05	97	558526	101.388	ug/l	100
56) Ethyl methacrylate	8.00	69	930613	118.558	ug/l	99
57) 1,3-Dichloropropane	8.22	76	957265	106.838	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.11	63	1172146	405.958	ug/l	99
59) 2-Hexanone	8.35	43	3342976	579.365	ug/l	100
60) Dibromochloromethane	8.46	129	627472	102.460	ug/l	99
61) 1,2-Dibromoethane	8.57	107	593877	102.739	ug/l	100
64) Tetrachloroethene	8.21	164	476788	81.053	ug/l	99
65) Chlorobenzene	9.10	112	1506039	96.854	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.19	131	554656	96.530	ug/l	100
67) Ethyl Benzene	9.23	91	2646777	101.554	ug/l	100
68) m/p-Xylenes	9.36	106	2016703	201.239	ug/l	100
69) o-Xylene	9.76	106	987715	102.836	ug/l	99
70) Styrene	9.77	104	1737580	105.659	ug/l	100
71) Bromoform	9.94	173	499697	98.245	ug/l #	99
73) Isopropylbenzene	10.15	105	2677907	102.729	ug/l	100
74) N-amyl acetate	10.00	43	1199676	119.733	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.44	83	943218	99.542	ug/l	100
76) 1,2,3-Trichloropropane	10.48	75	820434m	101.028	ug/l	
77) Bromobenzene	10.43	156	692324	94.862	ug/l	100
78) n-propylbenzene	10.57	91	3135548	105.642	ug/l	99
79) 2-Chlorotoluene	10.64	91	1819072	101.477	ug/l	100
80) 1,3,5-Trimethylbenzene	10.76	105	2303997	103.316	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.49	75	268787m	98.408	ug/l	
82) 4-Chlorotoluene	10.76	91	2122789	102.574	ug/l	99
83) tert-Butylbenzene	11.08	119	2257807	103.930	ug/l	99
84) 1,2,4-Trimethylbenzene	11.13	105	2323004	105.851	ug/l	99
85) sec-Butylbenzene	11.31	105	2725441	105.218	ug/l	100
86) p-Isopropyltoluene	11.46	119	2500794	103.722	ug/l	100
87) 1,3-Dichlorobenzene	11.40	146	1239437	95.826	ug/l	100
88) 1,4-Dichlorobenzene	11.49	146	1230028	94.311	ug/l	100
89) n-Butylbenzene	11.87	91	2292687	112.574	ug/l	99
90) Hexachloroethane	12.13	117	418334	104.524	ug/l	99
91) 1,2-Dichlorobenzene	11.86	146	1207292	95.034	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.64	75	208398	110.928	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.49	180	853721	109.756	ug/l	99
94) Hexachlorobutadiene	13.67	225	472266	91.599	ug/l	99
95) Naphthalene	13.73	128	2463396	119.458	ug/l	100
96) 1,2,3-Trichlorobenzene	13.97	180	833210	103.700	ug/l	99

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

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