

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU010919\
 Data File : VU029080.D
 Acq On : 09 Jan 2019 09:07
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 1/10/2019 9:38:26 AM

Quant Time: Jan 10 04:27:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U010319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 04 02:22:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	131122	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	206103	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	194738	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	100288	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	83842	51.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.44%	
35) Dibromofluoromethane	4.88	113	69718	52.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.36%	
50) Toluene-d8	7.56	98	277978	52.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.40%	
62) 4-Bromofluorobenzene	10.30	95	97250	51.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.60%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	62855	48.337	ug/l	99
3) Chloromethane	1.33	50	96554	46.472	ug/l	100
4) Vinyl Chloride	1.40	62	92459	48.249	ug/l	99
5) Bromomethane	1.61	94	47529	48.129	ug/l	99
6) Chloroethane	1.69	64	53639	46.993	ug/l	97
7) Trichlorofluoromethane	1.88	101	98156	47.007	ug/l	99
8) Diethyl Ether	2.10	74	47513	47.363	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.28	101	68829	49.264	ug/l	99
10) Methyl Iodide	2.41	142	66747	50.808	ug/l	98
11) Tert butyl alcohol	2.83	59	87852	213.225	ug/l	99
12) 1,1-Dichloroethene	2.28	96	66287	48.743	ug/l	99
13) Acrolein	2.19	56	68614	221.780	ug/l	99
14) Allyl chloride	2.59	41	114818	46.015	ug/l	95
15) Acrylonitrile	2.93	53	260565	257.777	ug/l	100
16) Acetone	2.32	43	277888	272.141	ug/l	99
17) Carbon Disulfide	2.47	76	208892	46.346	ug/l	99
18) Methyl Acetate	2.61	43	123397	51.972	ug/l	100
19) Methyl tert-butyl Ether	3.00	73	234738	49.097	ug/l	99
20) Methylene Chloride	2.70	84	82825	47.774	ug/l	99
21) trans-1,2-Dichloroethene	2.98	96	74220	46.975	ug/l	97
22) Diisopropyl ether	3.57	45	249783	50.651	ug/l	100
23) Vinyl Acetate	3.52	43	1046295	259.528	ug/l	99
24) 1,1-Dichloroethane	3.44	63	144014	50.588	ug/l	99
25) 2-Butanone	4.26	43	371207	269.152	ug/l	100
26) 2,2-Dichloropropane	4.22	77	115906	50.387	ug/l	100
27) cis-1,2-Dichloroethene	4.22	96	85005	49.191	ug/l	99
28) Bromochloromethane	4.54	49	61963	50.831	ug/l	97
29) Tetrahydrofuran	4.63	42	215329	257.420	ug/l	98
30) Chloroform	4.67	83	136375	50.294	ug/l	98
31) Cyclohexane	4.99	56	133433	49.644	ug/l	98
32) 1,1,1-Trichloroethane	4.91	97	111045	49.563	ug/l	99
36) 1,1-Dichloropropene	5.13	75	103518	50.249	ug/l	99
37) Ethyl Acetate	4.38	43	121108	53.557	ug/l	99
38) Carbon Tetrachloride	5.13	117	89904	52.324	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	133146	52.572	ug/l	100
40) Benzene	5.39	78	329009	51.200	ug/l	98
41) Methacrylonitrile	4.54	41	67051	55.394	ug/l	97
42) 1,2-Dichloroethane	5.40	62	102608	53.139	ug/l	100
43) Isopropyl Acetate	5.54	43	188011	54.201	ug/l	99
44) Trichloroethene	6.18	130	79591	49.989	ug/l	96
45) 1,2-Dichloropropane	6.43	63	90218	53.164	ug/l	100
46) Dibromomethane	6.56	93	56128	51.740	ug/l	99
47) Bromodichloromethane	6.75	83	105179	52.660	ug/l	99
48) Methyl methacrylate	6.62	41	95187	56.355	ug/l	98
49) 1,4-Dioxane	6.61	88	39105	976.946	ug/l	96
51) 4-Methyl-2-Pentanone	7.46	43	640656	271.382	ug/l	99
52) Toluene	7.63	92	200656	51.293	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	122927	51.234	ug/l	100
54) cis-1,3-Dichloropropene	7.27	75	134302	51.802	ug/l	98
55) 1,1,2-Trichloroethane	8.06	97	83208	53.094	ug/l	98
56) Ethyl methacrylate	8.02	69	125758	52.086	ug/l	97
57) 1,3-Dichloropropane	8.24	76	139693	52.092	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.12	63	280356	264.033	ug/l	99
59) 2-Hexanone	8.36	43	507899	274.084	ug/l	99
60) Dibromochloromethane	8.47	129	81529	52.510	ug/l	99
61) 1,2-Dibromoethane	8.58	107	87594	51.535	ug/l	100
64) Tetrachloroethene	8.22	164	73583	52.454	ug/l	98
65) Chlorobenzene	9.12	112	215031	49.261	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	74049	52.273	ug/l	99
67) Ethyl Benzene	9.25	91	376711	51.690	ug/l	100
68) m/p-Xylenes	9.37	106	295882	104.490	ug/l	98
69) o-Xylene	9.78	106	139959	51.297	ug/l	99
70) Styrene	9.79	104	234377	52.400	ug/l	100
71) Bromoform	9.95	173	66060	52.373	ug/l #	99
73) Isopropylbenzene	10.16	105	371246	50.012	ug/l	100
74) N-amyl acetate	10.01	43	163907	51.242	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	142627	47.941	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	124142m	50.521	ug/l	
77) Bromobenzene	10.45	156	94166	48.679	ug/l	99
78) n-propylbenzene	10.58	91	455908	52.116	ug/l	99
79) 2-Chlorotoluene	10.66	91	263519	49.659	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	315328	50.869	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	43956m	46.135	ug/l	
82) 4-Chlorotoluene	10.77	91	306197	50.321	ug/l	99
83) tert-Butylbenzene	11.10	119	301481	49.344	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	320533	51.792	ug/l	99
85) sec-Butylbenzene	11.32	105	388139	52.528	ug/l	100
86) p-Isopropyltoluene	11.48	119	331024	52.573	ug/l	99
87) 1,3-Dichlorobenzene	11.41	146	172886	48.725	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	173245	47.302	ug/l	100
89) n-Butylbenzene	11.89	91	319770	56.901	ug/l	99
90) Hexachloroethane	12.14	117	51692	48.801	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	172116	48.160	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	30278	52.914	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	116769	51.184	ug/l	97
94) Hexachlorobutadiene	13.69	225	57676	55.272	ug/l	99
95) Naphthalene	13.74	128	379019	48.838	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	121139	51.555	ug/l	98

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

