

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU090519\
 Data File : VU034269.D
 Acq On : 04 Sep 2019 19:37
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/5/2019 5:01:13 PM

Quant Time: Sep 05 05:11:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U082919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 29 04:11:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.96	168	372989	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	594890	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	580406	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	319797	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.29	65	221771	46.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.80%	
35) Dibromofluoromethane	4.86	113	196096	47.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.06%	
50) Toluene-d8	7.55	98	745154	48.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.46%	
62) 4-Bromofluorobenzene	10.29	95	289066	48.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	161177	42.967	ug/l	100
3) Chloromethane	1.32	50	204882	40.499	ug/l	100
4) Vinyl Chloride	1.40	62	216091	43.282	ug/l	100
5) Bromomethane	1.61	94	122800	51.242	ug/l	98
6) Chloroethane	1.69	64	133972	43.892	ug/l	98
7) Trichlorofluoromethane	1.87	101	268407	46.397	ug/l	98
8) Diethyl Ether	2.09	74	119047	48.104	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.27	101	170918	46.637	ug/l	98
10) Methyl Iodide	2.40	142	151355	29.114	ug/l	100
11) Tert butyl alcohol	2.81	59	247764	224.806	ug/l	99
12) 1,1-Dichloroethene	2.27	96	177201	47.456	ug/l	96
13) Acrolein	2.18	56	56314	121.462	ug/l	98
14) Allyl chloride	2.58	41	324027m	46.154	ug/l	
15) Acrylonitrile	2.92	53	635406	251.245	ug/l	100
16) Acetone	2.31	43	515447	211.371	ug/l	98
17) Carbon Disulfide	2.46	76	455391	38.534	ug/l	99
18) Methyl Acetate	2.60	43	304092	48.255	ug/l	100
19) Methyl tert-butyl Ether	2.98	73	624499	51.044	ug/l	98
20) Methylene Chloride	2.69	84	215903	46.767	ug/l	98
21) trans-1,2-Dichloroethene	2.96	96	188360	46.480	ug/l	99
22) Diisopropyl ether	3.55	45	653389	50.790	ug/l	99
23) Vinyl Acetate	3.50	43	2723313	246.430	ug/l	100
24) 1,1-Dichloroethane	3.43	63	371281	48.884	ug/l	99
25) 2-Butanone	4.24	43	829006	244.348	ug/l	99
26) 2,2-Dichloropropane	4.20	77	273570	44.266	ug/l	98
27) cis-1,2-Dichloroethene	4.20	96	220025	48.372	ug/l	97
28) Bromochloromethane	4.52	49	200273	53.521	ug/l	99
29) Tetrahydrofuran	4.61	42	527188	251.967	ug/l	99
30) Chloroform	4.65	83	366456	48.359	ug/l	98
31) Cyclohexane	4.97	56	300885	42.160	ug/l	99
32) 1,1,1-Trichloroethane	4.89	97	302110	48.678	ug/l	99
36) 1,1-Dichloropropene	5.11	75	257006	45.674	ug/l	100
37) Ethyl Acetate	4.36	43	300874	47.749	ug/l	98
38) Carbon Tetrachloride	5.11	117	259551	47.787	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.40	83	290922	43.866	ug/l	99
40) Benzene	5.37	78	810073	47.583	ug/l	100
41) Methacrylonitrile	4.52	41	165160	51.108	ug/l	99
42) 1,2-Dichloroethane	5.38	62	275532	46.869	ug/l	98
43) Isopropyl Acetate	5.53	43	465717	48.582	ug/l	99
44) Trichloroethene	6.17	130	222458	49.760	ug/l	97
45) 1,2-Dichloropropane	6.41	63	229754	49.026	ug/l	98
46) Dibromomethane	6.54	93	148656	49.236	ug/l	98
47) Bromodichloromethane	6.74	83	291890	49.413	ug/l	100
48) Methyl methacrylate	6.60	41	221856	47.960	ug/l	96
49) 1,4-Dioxane	6.59	88	94762	817.596	ug/l	99
51) 4-Methyl-2-Pentanone	7.44	43	1597827	241.353	ug/l	98
52) Toluene	7.62	92	512474	48.866	ug/l	100
53) t-1,3-Dichloropropene	7.86	75	310762	47.412	ug/l	99
54) cis-1,3-Dichloropropene	7.25	75	345393	48.233	ug/l	97
55) 1,1,2-Trichloroethane	8.05	97	217721	49.080	ug/l	99
56) Ethyl methacrylate	8.00	69	324025	44.152	ug/l	99
57) 1,3-Dichloropropane	8.22	76	365009	48.460	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.11	63	532026	216.785	ug/l	98
59) 2-Hexanone	8.34	43	1203732	240.856	ug/l	99
60) Dibromochloromethane	8.46	129	237218	49.817	ug/l	99
61) 1,2-Dibromoethane	8.57	107	222735	47.665	ug/l	100
64) Tetrachloroethene	8.21	164	196728	50.471	ug/l	99
65) Chlorobenzene	9.10	112	576248	48.245	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.19	131	209582	48.390	ug/l	98
67) Ethyl Benzene	9.23	91	981390	48.471	ug/l	99
68) m/p-Xylenes	9.36	106	760107	98.732	ug/l	100
69) o-Xylene	9.76	106	369907	50.082	ug/l	99
70) Styrene	9.77	104	656405	51.831	ug/l	99
71) Bromoform	9.94	173	181571	48.251	ug/l #	99
73) Isopropylbenzene	10.15	105	992776	46.217	ug/l	100
74) N-amyl acetate	9.99	43	413224	45.738	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.44	83	366836	44.618	ug/l	100
76) 1,2,3-Trichloropropane	10.48	75	323791m	44.923	ug/l	
77) Bromobenzene	10.43	156	265170	45.891	ug/l	99
78) n-propylbenzene	10.57	91	1158108	46.295	ug/l	100
79) 2-Chlorotoluene	10.64	91	689587	45.957	ug/l	100
80) 1,3,5-Trimethylbenzene	10.75	105	860635	47.272	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.49	75	77089m	36.014	ug/l	
82) 4-Chlorotoluene	10.75	91	797736	46.228	ug/l	99
83) tert-Butylbenzene	11.08	119	818973	45.695	ug/l	100
84) 1,2,4-Trimethylbenzene	11.13	105	864580	47.824	ug/l	99
85) sec-Butylbenzene	11.30	105	986907	45.943	ug/l	100
86) p-Isopropyltoluene	11.46	119	918055	47.254	ug/l	100
87) 1,3-Dichlorobenzene	11.40	146	475667	46.498	ug/l	99
88) 1,4-Dichlorobenzene	11.49	146	479822	46.379	ug/l	99
89) n-Butylbenzene	11.87	91	802638	46.859	ug/l	100
90) Hexachloroethane	12.12	117	131690	39.206	ug/l	96
91) 1,2-Dichlorobenzene	11.86	146	463993	47.349	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.64	75	73775	45.042	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.49	180	324018	46.565	ug/l	99
94) Hexachlorobutadiene	13.67	225	159434	41.590	ug/l	99
95) Naphthalene	13.72	128	904152	45.464	ug/l	100
96) 1,2,3-Trichlorobenzene	13.97	180	321431	51.205	ug/l	100

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

