

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U090719\
 Data File : VU034366.D
 Acq On : 07 Sep 2019 05:41
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 55 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/10/2019 1:31:44 PM

Quant Time: Sep 07 06:34:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U090619W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 06 05:10:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.96	168	305616	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	463773	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	455776	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	296031	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.29	65	207741	44.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.86%	
35) Dibromofluoromethane	4.86	113	188823	43.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.52%	
50) Toluene-d8	7.54	98	743897	45.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.76%	
62) 4-Bromofluorobenzene	10.29	95	280413	44.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.60%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	140983	44.108	ug/l	100
3) Chloromethane	1.32	50	165231	47.845	ug/l	100
4) Vinyl Chloride	1.40	62	177992	44.688	ug/l	98
5) Bromomethane	1.61	94	114577	57.302	ug/l	98
6) Chloroethane	1.69	64	115173	49.746	ug/l	98
7) Trichlorofluoromethane	1.88	101	248058	46.449	ug/l	97
8) Diethyl Ether	2.10	74	115786	49.289	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.28	101	163185	46.135	ug/l	99
10) Methyl Iodide	2.40	142	163830	50.577	ug/l	100
11) Tert butyl alcohol	2.81	59	249057	254.947	ug/l	100
12) 1,1-Dichloroethene	2.27	96	158179	47.571	ug/l	97
13) Acrolein	2.18	56	128523	156.531	ug/l	98
14) Allyl chloride	2.58	41	286906m	45.132	ug/l	
15) Acrylonitrile	2.92	53	618591	254.282	ug/l	99
16) Acetone	2.31	43	478787	200.084	ug/l	98
17) Carbon Disulfide	2.47	76	318803	42.659	ug/l	99
18) Methyl Acetate	2.60	43	274439	47.133	ug/l	97
19) Methyl tert-butyl Ether	2.98	73	629666	51.953	ug/l	99
20) Methylene Chloride	2.69	84	198922	50.759	ug/l	98
21) trans-1,2-Dichloroethene	2.97	96	169093	48.257	ug/l	97
22) Diisopropyl ether	3.55	45	624031	50.337	ug/l	98
23) Vinyl Acetate	3.50	43	2584547	255.942	ug/l	98
24) 1,1-Dichloroethane	3.43	63	353125	47.697	ug/l	99
25) 2-Butanone	4.24	43	794456	248.715	ug/l	98
26) 2,2-Dichloropropane	4.20	77	214937	36.097	ug/l	97
27) cis-1,2-Dichloroethene	4.20	96	219495	51.576	ug/l	94
28) Bromochloromethane	4.52	49	171035	50.226	ug/l	96
29) Tetrahydrofuran	4.61	42	501932	258.233	ug/l	98
30) Chloroform	4.65	83	352979	46.906	ug/l	98
31) Cyclohexane	4.97	56	256151	47.293	ug/l	99
32) 1,1,1-Trichloroethane	4.89	97	290722	48.319	ug/l	98
36) 1,1-Dichloropropene	5.12	75	235459	46.814	ug/l	99
37) Ethyl Acetate	4.36	43	286354	48.153	ug/l	99
38) Carbon Tetrachloride	5.11	117	248593	46.290	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.40	83	254428	47.320	ug/l	99
40) Benzene	5.37	78	757383	46.667	ug/l	100
41) Methacrylonitrile	4.52	41	159405	50.324	ug/l	98
42) 1,2-Dichloroethane	5.38	62	255628	45.366	ug/l	98
43) Isopropyl Acetate	5.53	43	458151	49.387	ug/l	98
44) Trichloroethene	6.16	130	219799	48.942	ug/l	99
45) 1,2-Dichloropropane	6.41	63	223225	47.049	ug/l	99
46) Dibromomethane	6.54	93	141475	47.504	ug/l	98
47) Bromodichloromethane	6.74	83	289202	47.176	ug/l	99
48) Methyl methacrylate	6.60	41	214713	48.731	ug/l	97
49) 1,4-Dioxane	6.59	88	101065	1050.428	ug/l	97
51) 4-Methyl-2-Pentanone	7.44	43	1571975	244.804	ug/l	98
52) Toluene	7.62	92	495777	48.697	ug/l	100
53) t-1,3-Dichloropropene	7.86	75	293842	46.239	ug/l	99
54) cis-1,3-Dichloropropene	7.25	75	328586	47.111	ug/l	99
55) 1,1,2-Trichloroethane	8.04	97	219294	47.437	ug/l	99
56) Ethyl methacrylate	8.00	69	336327	48.016	ug/l	98
57) 1,3-Dichloropropane	8.22	76	359028	47.695	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.11	63	504159	214.685	ug/l	99
59) 2-Hexanone	8.34	43	1192080	248.500	ug/l	98
60) Dibromochloromethane	8.46	129	245385	49.488	ug/l	98
61) 1,2-Dibromoethane	8.57	107	218738	48.343	ug/l	99
64) Tetrachloroethene	8.21	164	195410	49.419	ug/l	98
65) Chlorobenzene	9.10	112	582597	50.384	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.19	131	213440	48.367	ug/l	99
67) Ethyl Benzene	9.23	91	975988	51.622	ug/l	98
68) m/p-Xylenes	9.35	106	752157	105.648	ug/l	99
69) o-Xylene	9.76	106	372982	53.570	ug/l	100
70) Styrene	9.77	104	666592	54.606	ug/l	98
71) Bromoform	9.94	173	192680	50.380	ug/l	# 100
73) Isopropylbenzene	10.14	105	1014500	52.660	ug/l	100
74) N-amyl acetate	9.99	43	424740	54.772	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.44	83	377336	48.389	ug/l	99
76) 1,2,3-Trichloropropane	10.47	75	318423m	49.278	ug/l	
77) Bromobenzene	10.43	156	279115	51.815	ug/l	97
78) n-propylbenzene	10.57	91	1151385	51.750	ug/l	99
79) 2-Chlorotoluene	10.64	91	691263	50.920	ug/l	99
80) 1,3,5-Trimethylbenzene	10.75	105	867219	53.824	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.49	75	81661m	42.499	ug/l	
82) 4-Chlorotoluene	10.75	91	810206	51.861	ug/l	99
83) tert-Butylbenzene	11.08	119	864414	53.630	ug/l	99
84) 1,2,4-Trimethylbenzene	11.13	105	874177	53.900	ug/l	99
85) sec-Butylbenzene	11.30	105	1020734	53.642	ug/l	100
86) p-Isopropyltoluene	11.45	119	937008	53.351	ug/l	99
87) 1,3-Dichlorobenzene	11.40	146	502210	51.092	ug/l	100
88) 1,4-Dichlorobenzene	11.49	146	508878	49.634	ug/l	100
89) n-Butylbenzene	11.87	91	800959	52.478	ug/l	99
90) Hexachloroethane	12.12	117	137502	48.935	ug/l	99
91) 1,2-Dichlorobenzene	11.85	146	499125	51.667	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.64	75	76923	53.682	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.48	180	356779	50.859	ug/l	100
94) Hexachlorobutadiene	13.67	225	154106	45.605	ug/l	99
95) Naphthalene	13.72	128	1077502	54.247	ug/l	99
96) 1,2,3-Trichlorobenzene	13.97	180	349280	51.528	ug/l	99

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

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