

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082819\
 Data File : VU034013.D
 Acq On : 28 Aug 2019 08:38
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 8/28/2019 10:00:52 AM

Quant Time: Aug 28 09:15:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U082819W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 28 02:42:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.96	168	389893	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	646955	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	636410	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.47	152	324058	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.29	65	278840	64.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	128.74%	
35) Dibromofluoromethane	4.86	113	224751	51.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.36%	
50) Toluene-d8	7.55	98	877712	54.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.44%	
62) 4-Bromofluorobenzene	10.29	95	317243	51.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	220791	56.301	ug/l	100
3) Chloromethane	1.32	50	303171	70.994	ug/l	100
4) Vinyl Chloride	1.40	62	294515	75.226	ug/l	99
5) Bromomethane	1.60	94	118690	49.879	ug/l	99
6) Chloroethane	1.68	64	128293	55.037	ug/l	97
7) Trichlorofluoromethane	1.87	101	244281	47.420	ug/l	99
8) Diethyl Ether	2.09	74	89614	45.862	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.27	101	143945	43.753	ug/l	100
10) Methyl Iodide	2.40	142	244538	49.634	ug/l	99
11) Tert butyl alcohol	2.82	59	317485	282.980	ug/l #	85
12) 1,1-Dichloroethene	2.27	96	154847	45.094	ug/l	98
13) Acrolein	2.18	56	79315	222.609	ug/l	100
14) Allyl chloride	2.58	41	292776	48.154	ug/l	97
15) Acrylonitrile	2.92	53	754731	332.767	ug/l	99
16) Acetone	2.31	43	428858	206.844	ug/l	99
17) Carbon Disulfide	2.46	76	498933	44.247	ug/l	100
18) Methyl Acetate	2.60	43	279726	54.776	ug/l	98
19) Methyl tert-butyl Ether	2.98	73	707831	61.362	ug/l	97
20) Methylene Chloride	2.68	84	211558	48.094	ug/l	95
21) trans-1,2-Dichloroethene	2.96	96	221522	56.581	ug/l	91
22) Diisopropyl ether	3.55	45	782766	70.071	ug/l	96
23) Vinyl Acetate	3.50	43	3343491	352.302	ug/l	96
24) 1,1-Dichloroethane	3.42	63	437682	62.579	ug/l	98
25) 2-Butanone	4.23	43	1025499	345.049	ug/l	93
26) 2,2-Dichloropropane	4.20	77	230784	39.025	ug/l	100
27) cis-1,2-Dichloroethene	4.20	96	248697	56.746	ug/l	95
28) Bromochloromethane	4.52	49	218998	68.055	ug/l	83
29) Tetrahydrofuran	4.61	42	656169	352.982	ug/l	92
30) Chloroform	4.65	83	413230	57.699	ug/l	100
31) Cyclohexane	4.97	56	386371	60.496	ug/l	94
32) 1,1,1-Trichloroethane	4.89	97	347031	57.558	ug/l	96
36) 1,1-Dichloropropene	5.11	75	306846	51.784	ug/l	98
37) Ethyl Acetate	4.36	43	372182	62.622	ug/l	97
38) Carbon Tetrachloride	5.11	117	301900	49.994	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.40	83	351256	50.097	ug/l	96
40) Benzene	5.37	78	947776	53.797	ug/l	100
41) Methacrylonitrile	4.52	41	204396	66.368	ug/l	94
42) 1,2-Dichloroethane	5.38	62	335365	56.292	ug/l	98
43) Isopropyl Acetate	5.53	43	575570	63.161	ug/l	95
44) Trichloroethene	6.16	130	237428	47.265	ug/l	91
45) 1,2-Dichloropropane	6.41	63	270826	57.459	ug/l	98
46) Dibromomethane	6.54	93	169857	52.989	ug/l	91
47) Bromodichloromethane	6.74	83	331495	54.295	ug/l	97
48) Methyl methacrylate	6.60	41	283540	65.442	ug/l	93
49) 1,4-Dioxane	6.59	88	132968	1118.244	ug/l #	95
51) 4-Methyl-2-Pentanone	7.44	43	2008944	319.739	ug/l	96
52) Toluene	7.62	92	592461	53.332	ug/l	100
53) t-1,3-Dichloropropene	7.86	75	353973	52.428	ug/l	99
54) cis-1,3-Dichloropropene	7.25	75	382949	52.470	ug/l	94
55) 1,1,2-Trichloroethane	8.05	97	243937	51.968	ug/l	97
56) Ethyl methacrylate	8.00	69	387772	52.280	ug/l	91
57) 1,3-Dichloropropane	8.22	76	427159	55.839	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.11	63	808480	290.952	ug/l	95
59) 2-Hexanone	8.34	43	1534725	317.786	ug/l	94
60) Dibromochloromethane	8.46	129	265439	50.286	ug/l	100
61) 1,2-Dibromoethane	8.57	107	259179	52.281	ug/l	100
64) Tetrachloroethene	8.21	164	203879	39.844	ug/l	94
65) Chlorobenzene	9.10	112	644629	49.191	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.19	131	234855	48.067	ug/l	99
67) Ethyl Benzene	9.23	91	1132204	51.816	ug/l	99
68) m/p-Xylenes	9.36	106	862610	102.365	ug/l	96
69) o-Xylene	9.76	106	417291	51.796	ug/l	96
70) Styrene	9.77	104	731829	53.075	ug/l	98
71) Bromoform	9.94	173	200850	46.438	ug/l #	99
73) Isopropylbenzene	10.15	105	1119989	53.701	ug/l	99
74) N-amyl acetate	10.00	43	530523	67.765	ug/l	96
75) 1,1,2,2-Tetrachloroethane	10.44	83	389693	51.877	ug/l	99
76) 1,2,3-Trichloropropane	10.48	75	355019m	54.983	ug/l	
77) Bromobenzene	10.43	156	278152	47.195	ug/l	93
78) n-propylbenzene	10.57	91	1264739	53.473	ug/l	97
79) 2-Chlorotoluene	10.64	91	765608	53.644	ug/l	96
80) 1,3,5-Trimethylbenzene	10.76	105	967485	54.163	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.49	75	115717m	51.332	ug/l	
82) 4-Chlorotoluene	10.76	91	890831	53.919	ug/l	97
83) tert-Butylbenzene	11.08	119	856060	49.371	ug/l	99
84) 1,2,4-Trimethylbenzene	11.13	105	891877	50.859	ug/l	98
85) sec-Butylbenzene	11.31	105	1066701	51.545	ug/l	99
86) p-Isopropyltoluene	11.46	119	1016095	52.457	ug/l	99
87) 1,3-Dichlorobenzene	11.40	146	505672	48.366	ug/l	98
88) 1,4-Dichlorobenzene	11.49	146	508023	48.144	ug/l	99
89) n-Butylbenzene	11.87	91	785857	48.543	ug/l	99
90) Hexachloroethane	12.12	117	162977	50.870	ug/l	90
91) 1,2-Dichlorobenzene	11.86	146	457734	44.476	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.64	75	90178	59.932	ug/l	86

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.49	180	323622	44.893	ug/l	99
94) Hexachlorobutadiene	13.67	225	178026	42.194	ug/l	98
95) Naphthalene	13.73	128	978840	48.978	ug/l	100
96) 1,2,3-Trichlorobenzene	13.97	180	332265	50.524	ug/l	98

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

