

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U083019\
 Data File : VU034052.D
 Acq On : 29 Aug 2019 11:19
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 8/30/2019 12:56:45 PM

Quant Time: Aug 29 13:53:01 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	427430	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	641038	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	619767	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.47	152	350526	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.29	65	254431	46.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.92%	
35) Dibromofluoromethane	4.86	113	213626	48.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.10%	
50) Toluene-d8	7.55	98	832583	50.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.02%	
62) 4-Bromofluorobenzene	10.29	95	311844	48.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.30%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	222321	51.718	ug/l	99
3) Chloromethane	1.32	50	263862	45.785	ug/l	100
4) Vinyl Chloride	1.40	62	274242	47.933	ug/l	99
5) Bromomethane	1.61	94	121917	43.516	ug/l	97
6) Chloroethane	1.68	64	164370	46.992	ug/l	99
7) Trichlorofluoromethane	1.87	101	324040	48.880	ug/l	99
8) Diethyl Ether	2.09	74	137375	48.440	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.27	101	206794	49.240	ug/l	98
10) Methyl Iodide	2.40	142	161656	27.135	ug/l	99
11) Tert butyl alcohol	2.81	59	265804	210.457	ug/l	99
12) 1,1-Dichloroethene	2.27	96	204277	47.739	ug/l	99
13) Acrolein	2.18	56	99051	186.430	ug/l	100
14) Allyl chloride	2.58	41	335673	41.723	ug/l	91
15) Acrylonitrile	2.92	53	701915	242.193	ug/l	100
16) Acetone	2.31	43	722524	258.550	ug/l	99
17) Carbon Disulfide	2.46	76	625849	46.213	ug/l	100
18) Methyl Acetate	2.60	43	320918	44.439	ug/l	99
19) Methyl tert-butyl Ether	2.98	73	681025	48.575	ug/l	100
20) Methylene Chloride	2.68	84	248484	46.969	ug/l	97
21) trans-1,2-Dichloroethene	2.96	96	223851	48.203	ug/l	98
22) Diisopropyl ether	3.55	45	729454	49.481	ug/l	99
23) Vinyl Acetate	3.50	43	3141928	248.098	ug/l	100
24) 1,1-Dichloroethane	3.42	63	419786	48.231	ug/l	100
25) 2-Butanone	4.23	43	976152	251.073	ug/l	100
26) 2,2-Dichloropropane	4.20	77	339605	47.952	ug/l	100
27) cis-1,2-Dichloroethene	4.20	96	246955	47.378	ug/l	99
28) Bromochloromethane	4.52	49	202988	47.337	ug/l	99
29) Tetrahydrofuran	4.61	42	593311	247.452	ug/l	100
30) Chloroform	4.65	83	407196	46.891	ug/l	100
31) Cyclohexane	4.97	56	375014	45.854	ug/l	99
32) 1,1,1-Trichloroethane	4.89	97	339926	47.795	ug/l	99
36) 1,1-Dichloropropene	5.11	75	303612	50.073	ug/l	99
37) Ethyl Acetate	4.35	43	338792	49.896	ug/l	99
38) Carbon Tetrachloride	5.11	117	298099	50.933	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.40	83	369280	51.673	ug/l	98
40) Benzene	5.37	78	929519	50.669	ug/l	100
41) Methacrylonitrile	4.52	41	183079	52.575	ug/l	100
42) 1,2-Dichloroethane	5.38	62	316029	49.887	ug/l	99
43) Isopropyl Acetate	5.53	43	510689	49.438	ug/l	99
44) Trichloroethene	6.16	130	244054	50.661	ug/l	99
45) 1,2-Dichloropropane	6.41	63	257621	51.015	ug/l	98
46) Dibromomethane	6.54	93	165515	50.873	ug/l	98
47) Bromodichloromethane	6.74	83	319283	50.159	ug/l	100
48) Methyl methacrylate	6.60	41	252174	50.590	ug/l	99
49) 1,4-Dioxane	6.59	88	118797	951.181	ug/l	100
51) 4-Methyl-2-Pentanone	7.44	43	1752058	245.598	ug/l	100
52) Toluene	7.62	92	582509	51.545	ug/l	100
53) t-1,3-Dichloropropene	7.86	75	355443	50.325	ug/l	100
54) cis-1,3-Dichloropropene	7.25	75	396582	51.395	ug/l	99
55) 1,1,2-Trichloroethane	8.05	97	233929	48.937	ug/l	99
56) Ethyl methacrylate	8.00	69	350164	44.276	ug/l	100
57) 1,3-Dichloropropane	8.22	76	405355	49.942	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.11	63	709431	268.262	ug/l	99
59) 2-Hexanone	8.34	43	1378333	255.938	ug/l	99
60) Dibromochloromethane	8.46	129	254506	49.599	ug/l	98
61) 1,2-Dibromoethane	8.57	107	247601	49.171	ug/l	99
64) Tetrachloroethene	8.21	164	212856	51.141	ug/l	98
65) Chlorobenzene	9.10	112	635057	49.792	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.19	131	224623	48.569	ug/l	99
67) Ethyl Benzene	9.23	91	1101017	50.926	ug/l	100
68) m/p-Xylenes	9.36	106	867920	105.576	ug/l	100
69) o-Xylene	9.76	106	404733	51.317	ug/l	99
70) Styrene	9.77	104	721659	53.365	ug/l	100
71) Bromoform	9.94	173	193348	48.118	ug/l #	98
73) Isopropylbenzene	10.15	105	1108825	47.095	ug/l	100
74) N-amyl acetate	10.00	43	464790	46.936	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.44	83	396213	43.967	ug/l	99
76) 1,2,3-Trichloropropane	10.48	75	338599m	42.859	ug/l	
77) Bromobenzene	10.43	156	288580	45.564	ug/l	100
78) n-propylbenzene	10.57	91	1327338	48.408	ug/l	99
79) 2-Chlorotoluene	10.64	91	779203	47.377	ug/l	100
80) 1,3,5-Trimethylbenzene	10.76	105	989089	49.565	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.49	75	124310m	52.983	ug/l	
82) 4-Chlorotoluene	10.76	91	914755	48.362	ug/l	100
83) tert-Butylbenzene	11.08	119	912252	46.437	ug/l	99
84) 1,2,4-Trimethylbenzene	11.13	105	993970	50.161	ug/l	100
85) sec-Butylbenzene	11.30	105	1145704	48.660	ug/l	99
86) p-Isopropyltoluene	11.46	119	1072757	50.376	ug/l	100
87) 1,3-Dichlorobenzene	11.40	146	537103	47.901	ug/l	99
88) 1,4-Dichlorobenzene	11.49	146	540928	47.702	ug/l	100
89) n-Butylbenzene	11.87	91	987581	52.602	ug/l	100
90) Hexachloroethane	12.12	117	165081	44.838	ug/l	100
91) 1,2-Dichlorobenzene	11.86	146	516961	48.130	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.64	75	83877	46.720	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	375652	49.188	ug/l	99
94) Hexachlorobutadiene	13.68	225	209514	49.863	ug/l	99
95) Naphthalene	13.73	128	1014435	46.495	ug/l	100
96) 1,2,3-Trichlorobenzene	13.97	180	370927	53.910	ug/l	98

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

