

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU090219\
 Data File : VU034159.D
 Acq On : 01 Sep 2019 11:20
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/3/2019 11:43:43 AM

Quant Time: Sep 02 08:40:02 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	412557	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	646544	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	619939	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	340227	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.29	65	255625	48.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.72%	
35) Dibromofluoromethane	4.86	113	215523	48.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.12%	
50) Toluene-d8	7.54	98	828939	49.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.74%	
62) 4-Bromofluorobenzene	10.29	95	314389	48.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	198846	47.924	ug/l	99
3) Chloromethane	1.32	50	252449	45.365	ug/l	99
4) Vinyl Chloride	1.40	62	262829	47.594	ug/l	99
5) Bromomethane	1.61	94	141134	53.501	ug/l	98
6) Chloroethane	1.69	64	157560	46.669	ug/l	100
7) Trichlorofluoromethane	1.87	101	308498	48.213	ug/l	99
8) Diethyl Ether	2.09	74	137252	50.141	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.27	101	197051	48.611	ug/l	99
10) Methyl Iodide	2.40	142	176026	30.612	ug/l	100
11) Tert butyl alcohol	2.81	59	269665	221.211	ug/l	100
12) 1,1-Dichloroethene	2.27	96	200448	48.533	ug/l	100
13) Acrolein	2.18	56	117401	228.933	ug/l	99
14) Allyl chloride	2.58	41	379565m	48.880	ug/l	
15) Acrylonitrile	2.92	53	724797	259.105	ug/l	100
16) Acetone	2.31	43	731705	271.275	ug/l	100
17) Carbon Disulfide	2.46	76	572229	43.777	ug/l	99
18) Methyl Acetate	2.60	43	337226	48.381	ug/l	99
19) Methyl tert-butyl Ether	2.98	73	695415	51.389	ug/l	100
20) Methylene Chloride	2.68	84	245799	48.137	ug/l	98
21) trans-1,2-Dichloroethene	2.96	96	216112	48.214	ug/l	96
22) Diisopropyl ether	3.55	45	739421	51.965	ug/l	98
23) Vinyl Acetate	3.50	43	3175641	259.800	ug/l	100
24) 1,1-Dichloroethane	3.42	63	423948	50.465	ug/l	99
25) 2-Butanone	4.23	43	1006790	268.289	ug/l	100
26) 2,2-Dichloropropane	4.20	77	339873	49.720	ug/l	99
27) cis-1,2-Dichloroethene	4.20	96	247577	49.209	ug/l	100
28) Bromochloromethane	4.52	49	206797	49.964	ug/l	98
29) Tetrahydrofuran	4.61	42	611232	264.117	ug/l	99
30) Chloroform	4.65	83	407327	48.597	ug/l	100
31) Cyclohexane	4.97	56	362974	45.982	ug/l	98
32) 1,1,1-Trichloroethane	4.89	97	340975	49.671	ug/l	99
36) 1,1-Dichloropropene	5.12	75	300277	49.101	ug/l	99
37) Ethyl Acetate	4.36	43	351373	51.309	ug/l	100
38) Carbon Tetrachloride	5.11	117	293997	49.804	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.40	83	339128	47.049	ug/l	99
40) Benzene	5.37	78	926548	50.076	ug/l	100
41) Methacrylonitrile	4.52	41	188985	53.809	ug/l	99
42) 1,2-Dichloroethane	5.38	62	316754	49.576	ug/l	99
43) Isopropyl Acetate	5.53	43	530246	50.894	ug/l	99
44) Trichloroethene	6.16	130	244761	50.375	ug/l	98
45) 1,2-Dichloropropane	6.41	63	258071	50.669	ug/l	100
46) Dibromomethane	6.54	93	164590	50.158	ug/l	100
47) Bromodichloromethane	6.74	83	323137	50.332	ug/l	99
48) Methyl methacrylate	6.60	41	256829	51.085	ug/l	99
49) 1,4-Dioxane	6.59	88	99558	790.350	ug/l	99
51) 4-Methyl-2-Pentanone	7.44	43	1829421	254.258	ug/l	100
52) Toluene	7.62	92	580669	50.945	ug/l	100
53) t-1,3-Dichloropropene	7.86	75	359539	50.471	ug/l	100
54) cis-1,3-Dichloropropene	7.25	75	397394	51.062	ug/l	100
55) 1,1,2-Trichloroethane	8.04	97	242825	50.366	ug/l	100
56) Ethyl methacrylate	8.00	69	371426	46.514	ug/l	99
57) 1,3-Dichloropropane	8.22	76	412176	50.350	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.11	63	701644	263.058	ug/l	100
59) 2-Hexanone	8.34	43	1422111	261.818	ug/l	100
60) Dibromochloromethane	8.46	129	259782	50.196	ug/l	98
61) 1,2-Dibromoethane	8.57	107	251280	49.477	ug/l	100
64) Tetrachloroethene	8.21	164	212763	51.104	ug/l	98
65) Chlorobenzene	9.10	112	639931	50.160	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.19	131	227065	49.084	ug/l	99
67) Ethyl Benzene	9.23	91	1107114	51.194	ug/l	100
68) m/p-Xylenes	9.35	106	858260	104.372	ug/l	99
69) o-Xylene	9.76	106	409498	51.907	ug/l	99
70) Styrene	9.77	104	726543	53.711	ug/l	99
71) Bromoform	9.94	173	198685	49.432	ug/l #	100
73) Isopropylbenzene	10.15	105	1100192	48.142	ug/l	99
74) N-amyl acetate	9.99	43	478972	49.832	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.44	83	407954	46.640	ug/l	100
76) 1,2,3-Trichloropropane	10.47	75	346385m	45.172	ug/l	
77) Bromobenzene	10.43	156	290703	47.288	ug/l	100
78) n-propylbenzene	10.57	91	1305256	49.044	ug/l	100
79) 2-Chlorotoluene	10.64	91	761360	47.694	ug/l	100
80) 1,3,5-Trimethylbenzene	10.75	105	958071	49.464	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.49	75	112835m	49.548	ug/l	
82) 4-Chlorotoluene	10.75	91	898040	48.915	ug/l	100
83) tert-Butylbenzene	11.08	119	897050	47.046	ug/l	99
84) 1,2,4-Trimethylbenzene	11.13	105	960309	49.929	ug/l	99
85) sec-Butylbenzene	11.30	105	1094793	47.905	ug/l	99
86) p-Isopropyltoluene	11.46	119	1019393	49.320	ug/l	100
87) 1,3-Dichlorobenzene	11.40	146	527380	48.458	ug/l	99
88) 1,4-Dichlorobenzene	11.49	146	526562	47.841	ug/l	99
89) n-Butylbenzene	11.87	91	915670	50.248	ug/l	99
90) Hexachloroethane	12.12	117	153821	43.044	ug/l	98
91) 1,2-Dichlorobenzene	11.86	146	509351	48.857	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.64	75	84236	48.340	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.49	180	357962	48.311	ug/l	100
94) Hexachlorobutadiene	13.67	225	181287	44.451	ug/l	98
95) Naphthalene	13.72	128	1041747	49.089	ug/l	100
96) 1,2,3-Trichlorobenzene	13.97	180	352161	52.732	ug/l	99

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

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