

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU083119\
 Data File : VU034112.D
 Acq On : 30 Aug 2019 20:33
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 8/31/2019 11:25:04 AM

Quant Time: Aug 31 04:47:02 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	442530	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.87	114	725626	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	689748	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.47	152	367566	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.29	65	277214	48.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.78%	
35) Dibromofluoromethane	4.86	113	236026	46.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.80%	
50) Toluene-d8	7.55	98	929099	49.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.60%	
62) 4-Bromofluorobenzene	10.29	95	356800	48.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	219448	49.307	ug/l	98
3) Chloromethane	1.32	50	262390	43.890	ug/l	99
4) Vinyl Chloride	1.40	62	283334	47.832	ug/l	99
5) Bromomethane	1.61	94	140677	49.251	ug/l	97
6) Chloroethane	1.69	64	170801	47.164	ug/l	99
7) Trichlorofluoromethane	1.87	101	334144	48.684	ug/l	99
8) Diethyl Ether	2.09	74	148461	50.563	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.27	101	209783	48.247	ug/l	99
10) Methyl Iodide	2.40	142	184190	29.862	ug/l	100
11) Tert butyl alcohol	2.81	59	319348	244.224	ug/l	100
12) 1,1-Dichloroethene	2.27	96	217436	49.081	ug/l	98
13) Acrolein	2.18	56	85875	156.115	ug/l	98
14) Allyl chloride	2.58	41	415433m	49.875	ug/l	
15) Acrylonitrile	2.92	53	769384	256.415	ug/l	100
16) Acetone	2.31	43	631012	218.098	ug/l	99
17) Carbon Disulfide	2.46	76	620215	44.234	ug/l	100
18) Methyl Acetate	2.60	43	360710	48.245	ug/l	99
19) Methyl tert-butyl Ether	2.98	73	774608	53.364	ug/l	99
20) Methylene Chloride	2.69	84	264622	48.313	ug/l	97
21) trans-1,2-Dichloroethene	2.96	96	238414	49.587	ug/l	99
22) Diisopropyl ether	3.55	45	802054	52.549	ug/l	98
23) Vinyl Acetate	3.50	43	3457447	263.697	ug/l	100
24) 1,1-Dichloroethane	3.42	63	452844	50.254	ug/l	99
25) 2-Butanone	4.23	43	1024849	254.604	ug/l	100
26) 2,2-Dichloropropane	4.20	77	342178	46.667	ug/l	98
27) cis-1,2-Dichloroethene	4.20	96	275348	51.022	ug/l	98
28) Bromochloromethane	4.52	49	223625	50.371	ug/l	100
29) Tetrahydrofuran	4.61	42	657172	264.734	ug/l	99
30) Chloroform	4.65	83	434057	48.278	ug/l	98
31) Cyclohexane	4.97	56	389789	46.034	ug/l	98
32) 1,1,1-Trichloroethane	4.89	97	366028	49.709	ug/l	99
36) 1,1-Dichloropropene	5.11	75	328316	47.835	ug/l	99
37) Ethyl Acetate	4.36	43	373710	48.623	ug/l	99
38) Carbon Tetrachloride	5.11	117	312933	47.235	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.40	83	349583	43.214	ug/l	99
40) Benzene	5.37	78	1003581	48.329	ug/l	100
41) Methacrylonitrile	4.52	41	203026	51.507	ug/l	99
42) 1,2-Dichloroethane	5.38	62	336778	46.965	ug/l	98
43) Isopropyl Acetate	5.53	43	588269	50.310	ug/l	100
44) Trichloroethene	6.16	130	270368	49.581	ug/l	99
45) 1,2-Dichloropropane	6.41	63	278600	48.738	ug/l	100
46) Dibromomethane	6.54	93	177606	48.226	ug/l	99
47) Bromodichloromethane	6.74	83	345998	48.020	ug/l	99
48) Methyl methacrylate	6.60	41	284418	50.407	ug/l	98
49) 1,4-Dioxane	6.59	88	128505	908.968	ug/l	99
51) 4-Methyl-2-Pentanone	7.44	43	1966554	243.530	ug/l	99
52) Toluene	7.62	92	639871	50.021	ug/l	99
53) t-1,3-Dichloropropene	7.86	75	388674	48.615	ug/l	99
54) cis-1,3-Dichloropropene	7.25	75	431607	49.414	ug/l	98
55) 1,1,2-Trichloroethane	8.05	97	253518	46.853	ug/l	99
56) Ethyl methacrylate	8.00	69	415337	46.348	ug/l	99
57) 1,3-Dichloropropane	8.22	76	446201	48.566	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.11	63	765986	255.883	ug/l	100
59) 2-Hexanone	8.34	43	1503397	246.618	ug/l	99
60) Dibromochloromethane	8.46	129	277940	47.852	ug/l	99
61) 1,2-Dibromoethane	8.57	107	273223	47.934	ug/l	99
64) Tetrachloroethene	8.21	164	232515	50.196	ug/l	99
65) Chlorobenzene	9.10	112	699195	49.259	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.19	131	248767	48.332	ug/l	98
67) Ethyl Benzene	9.23	91	1222931	50.826	ug/l	100
68) m/p-Xylenes	9.36	106	935894	102.294	ug/l	99
69) o-Xylene	9.76	106	447082	50.935	ug/l	99
70) Styrene	9.77	104	799632	53.131	ug/l	99
71) Bromoform	9.94	173	212378	47.491	ug/l #	99
73) Isopropylbenzene	10.15	105	1192659	48.307	ug/l	100
74) N-amyl acetate	10.00	43	540952	52.095	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.44	83	432877	45.808	ug/l	100
76) 1,2,3-Trichloropropane	10.48	75	377244m	45.537	ug/l	
77) Bromobenzene	10.43	156	316877	47.712	ug/l	99
78) n-propylbenzene	10.57	91	1373610	47.773	ug/l	99
79) 2-Chlorotoluene	10.64	91	825377	47.858	ug/l	100
80) 1,3,5-Trimethylbenzene	10.75	105	1002671	47.916	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.50	75	109456m	44.490	ug/l	
82) 4-Chlorotoluene	10.75	91	966192	48.713	ug/l	100
83) tert-Butylbenzene	11.08	119	945758	45.911	ug/l	100
84) 1,2,4-Trimethylbenzene	11.13	105	1016639	48.927	ug/l	99
85) sec-Butylbenzene	11.31	105	1096438	44.409	ug/l	100
86) p-Isopropyltoluene	11.46	119	1022503	45.791	ug/l	99
87) 1,3-Dichlorobenzene	11.40	146	567417	48.259	ug/l	100
88) 1,4-Dichlorobenzene	11.49	146	569381	47.884	ug/l	99
89) n-Butylbenzene	11.87	91	888597	45.135	ug/l	99
90) Hexachloroethane	12.13	117	148320	38.418	ug/l	99
91) 1,2-Dichlorobenzene	11.86	146	553397	49.134	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.64	75	92311	49.034	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	370183	46.292	ug/l	98
94) Hexachlorobutadiene	13.68	225	161223	36.591	ug/l	99
95) Naphthalene	13.73	128	1182769	51.497	ug/l	100
96) 1,2,3-Trichlorobenzene	13.97	180	364902	50.575	ug/l	100

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

