

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU090919\
 Data File : VU034417.D
 Acq On : 09 Sep 2019 08:53
 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
 9/10/2019 4:17:19 PM

Quant Time: Sep 10 05:45:04 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	283355	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	379152	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	386126	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	267563	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.29	65	206245	48.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.22%	
35) Dibromofluoromethane	4.86	113	188863	53.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.06%	
50) Toluene-d8	7.54	98	720549	54.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.72%	
62) 4-Bromofluorobenzene	10.29	95	272871	53.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	140935	47.557	ug/l	98
3) Chloromethane	1.32	50	153837	48.046	ug/l	100
4) Vinyl Chloride	1.40	62	166807	45.170	ug/l	99
5) Bromomethane	1.61	94	104064	56.038	ug/l	99
6) Chloroethane	1.69	64	108608	50.613	ug/l	96
7) Trichlorofluoromethane	1.88	101	242419	48.959	ug/l	98
8) Diethyl Ether	2.09	74	104985	48.203	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.28	101	164942	50.295	ug/l	98
10) Methyl Iodide	2.40	142	119565	40.630	ug/l	99
11) Tert butyl alcohol	2.81	59	185721	205.049	ug/l	100
12) 1,1-Dichloroethene	2.27	96	146268	47.445	ug/l	98
13) Acrolein	2.18	56	178094	233.945	ug/l	99
14) Allyl chloride	2.58	41	261079m	44.296	ug/l	
15) Acrylonitrile	2.92	53	543859	241.126	ug/l	98
16) Acetone	2.31	43	666101	300.231	ug/l	98
17) Carbon Disulfide	2.47	76	297539	42.942	ug/l	99
18) Methyl Acetate	2.60	43	237486	43.991	ug/l	96
19) Methyl tert-butyl Ether	2.98	73	548084	48.775	ug/l	100
20) Methylene Chloride	2.69	84	191003	52.581	ug/l	96
21) trans-1,2-Dichloroethene	2.97	96	155422	47.840	ug/l	97
22) Diisopropyl ether	3.55	45	568574	49.467	ug/l	98
23) Vinyl Acetate	3.50	43	2305148	246.208	ug/l	98
24) 1,1-Dichloroethane	3.43	63	327717	47.743	ug/l	100
25) 2-Butanone	4.23	43	787308	265.841	ug/l	98
26) 2,2-Dichloropropane	4.20	77	269918	48.892	ug/l	98
27) cis-1,2-Dichloroethene	4.20	96	192627	48.819	ug/l	97
28) Bromochloromethane	4.52	49	161304	51.090	ug/l	96
29) Tetrahydrofuran	4.61	42	427865	237.421	ug/l	99
30) Chloroform	4.65	83	335637	48.105	ug/l	99
31) Cyclohexane	4.97	56	230194	45.840	ug/l	99
32) 1,1,1-Trichloroethane	4.89	97	274817	49.264	ug/l	99
36) 1,1-Dichloropropene	5.12	75	214615	52.193	ug/l	100
37) Ethyl Acetate	4.36	43	247435	50.895	ug/l	100
38) Carbon Tetrachloride	5.11	117	232034	52.850	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.40	83	225235	51.240	ug/l	100
40) Benzene	5.37	78	702111	52.917	ug/l	99
41) Methacrylonitrile	4.52	41	137812	53.217	ug/l	99
42) 1,2-Dichloroethane	5.38	62	239799	52.055	ug/l	99
43) Isopropyl Acetate	5.53	43	376075	49.587	ug/l	99
44) Trichloroethene	6.16	130	192225	52.355	ug/l	99
45) 1,2-Dichloropropane	6.41	63	205006	52.852	ug/l	98
46) Dibromomethane	6.54	93	128946	52.960	ug/l	95
47) Bromodichloromethane	6.73	83	268694	53.613	ug/l	98
48) Methyl methacrylate	6.60	41	178382	49.521	ug/l	96
49) 1,4-Dioxane	6.59	88	73801	938.253	ug/l	100
51) 4-Methyl-2-Pentanone	7.44	43	1341270	255.494	ug/l	99
52) Toluene	7.62	92	454080	54.556	ug/l	99
53) t-1,3-Dichloropropene	7.86	75	272374	52.427	ug/l	98
54) cis-1,3-Dichloropropene	7.25	75	309567	54.290	ug/l	100
55) 1,1,2-Trichloroethane	8.04	97	207147	54.810	ug/l	99
56) Ethyl methacrylate	8.00	69	273807	47.828	ug/l	97
57) 1,3-Dichloropropane	8.22	76	327007	53.136	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.11	63	406754	212.083	ug/l	100
59) 2-Hexanone	8.34	43	1075075	274.127	ug/l	99
60) Dibromochloromethane	8.46	129	226912	55.976	ug/l	98
61) 1,2-Dibromoethane	8.57	107	200996	54.336	ug/l	99
64) Tetrachloroethene	8.21	164	177748	53.061	ug/l	99
65) Chlorobenzene	9.10	112	520331	53.116	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.19	131	200688	53.681	ug/l	99
67) Ethyl Benzene	9.23	91	856402	53.467	ug/l	99
68) m/p-Xylenes	9.35	106	697083	115.574	ug/l	98
69) o-Xylene	9.76	106	325549	55.191	ug/l	100
70) Styrene	9.77	104	607015	58.696	ug/l	98
71) Bromoform	9.94	173	178051	54.953	ug/l #	99
73) Isopropylbenzene	10.14	105	917017	52.665	ug/l	99
74) N-amyl acetate	9.99	43	344790	49.193	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.44	83	342863	48.646	ug/l	99
76) 1,2,3-Trichloropropane	10.47	75	273729m	46.868	ug/l	
77) Bromobenzene	10.43	156	249574	51.261	ug/l	97
78) n-propylbenzene	10.57	91	1079771	53.694	ug/l	99
79) 2-Chlorotoluene	10.64	91	643380	52.435	ug/l	99
80) 1,3,5-Trimethylbenzene	10.75	105	813148	55.838	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.49	75	96026m	55.292	ug/l	
82) 4-Chlorotoluene	10.75	91	748600	53.016	ug/l	98
83) tert-Butylbenzene	11.08	119	770235	52.871	ug/l	99
84) 1,2,4-Trimethylbenzene	11.12	105	814073	55.534	ug/l	99
85) sec-Butylbenzene	11.30	105	934196	54.318	ug/l	100
86) p-Isopropyltoluene	11.45	119	876178	55.195	ug/l	99
87) 1,3-Dichlorobenzene	11.40	146	467736	52.647	ug/l	100
88) 1,4-Dichlorobenzene	11.49	146	472889	51.031	ug/l	99
89) n-Butylbenzene	11.87	91	770944	55.886	ug/l	99
90) Hexachloroethane	12.12	117	131970	51.963	ug/l	98
91) 1,2-Dichlorobenzene	11.86	146	456380	52.269	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.63	75	66523	51.363	ug/l	97

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.48	180	311671	49.272	ug/l	99
94) Hexachlorobutadiene	13.67	225	159549	52.239	ug/l	99
95) Naphthalene	13.72	128	792295	44.872	ug/l	99
96) 1,2,3-Trichlorobenzene	13.97	180	306627	50.125	ug/l	99

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

