

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U110718\
 Data File : VU028010.D
 Acq On : 07 Nov 2018 16:55
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 11/9/2018 11:07:06 AM

Quant Time: Nov 07 17:17:14 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U110218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 02 02:28:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	191370	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	336357	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	314650	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	156286	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	142369	50.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.08%	
35) Dibromofluoromethane	4.88	113	106476	50.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.42%	
50) Toluene-d8	7.57	98	403938	49.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.62%	
62) 4-Bromofluorobenzene	10.31	95	152677	50.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.06%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	97032	39.903	ug/l	97
3) Chloromethane	1.33	50	128105	43.560	ug/l	100
4) Vinyl Chloride	1.40	62	129356	44.317	ug/l	99
5) Bromomethane	1.62	94	56571	47.491	ug/l	99
6) Chloroethane	1.69	64	78606	46.731	ug/l	100
7) Trichlorofluoromethane	1.88	101	156898	46.517	ug/l	93
8) Diethyl Ether	2.11	74	71410	49.445	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.29	101	98400	49.109	ug/l	99
10) Methyl Iodide	2.41	142	77066	43.140	ug/l	99
11) Tert butyl alcohol	2.83	59	176868	234.816	ug/l	100
12) 1,1-Dichloroethene	2.28	96	91775	45.758	ug/l	99
13) Acrolein	2.20	56	63377	228.150	ug/l	98
14) Allyl chloride	2.59	41	222099	45.309	ug/l	99
15) Acrylonitrile	2.94	53	444316	240.143	ug/l	98
16) Acetone	2.32	43	429196	243.134	ug/l	100
17) Carbon Disulfide	2.48	76	269305	41.080	ug/l	100
18) Methyl Acetate	2.62	43	233061	47.995	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	399096	49.343	ug/l	100
20) Methylene Chloride	2.70	84	120583	46.785	ug/l	98
21) trans-1,2-Dichloroethene	2.98	96	102449	44.262	ug/l	97
22) Diisopropyl ether	3.58	45	495443	48.956	ug/l	99
23) Vinyl Acetate	3.53	43	2131798	245.103	ug/l	100
24) 1,1-Dichloroethane	3.45	63	238564	47.326	ug/l	99
25) 2-Butanone	4.26	43	681862	242.796	ug/l	98
26) 2,2-Dichloropropane	4.23	77	187306	49.514	ug/l	100
27) cis-1,2-Dichloroethene	4.23	96	128657	49.568	ug/l	100
28) Bromochloromethane	4.55	49	122579	51.871	ug/l	98
29) Tetrahydrofuran	4.64	42	429333	228.946	ug/l	99
30) Chloroform	4.67	83	221504	47.924	ug/l	98
31) Cyclohexane	5.00	56	221903	44.679	ug/l	98
32) 1,1,1-Trichloroethane	4.92	97	176745	48.039	ug/l	98
36) 1,1-Dichloropropene	5.14	75	163298	46.355	ug/l	99
37) Ethyl Acetate	4.38	43	236378	45.795	ug/l	100
38) Carbon Tetrachloride	5.14	117	145278	46.535	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	197289	46.433	ug/l	98
40) Benzene	5.39	78	510331	47.382	ug/l	100
41) Methacrylonitrile	4.55	41	137950	50.080	ug/l	99
42) 1,2-Dichloroethane	5.41	62	179190	46.805	ug/l	99
43) Isopropyl Acetate	5.55	43	381286	47.149	ug/l	99
44) Trichloroethene	6.19	130	109400	47.254	ug/l	99
45) 1,2-Dichloropropane	6.43	63	151218	48.683	ug/l	99
46) Dibromomethane	6.56	93	87960	49.265	ug/l	97
47) Bromodichloromethane	6.76	83	169903	49.380	ug/l	99
48) Methyl methacrylate	6.62	41	193616	48.858	ug/l	99
49) 1,4-Dioxane	6.61	88	64509	997.750	ug/l	97
51) 4-Methyl-2-Pentanone	7.46	43	1278647	236.759	ug/l	100
52) Toluene	7.64	92	302225	47.731	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	201624	47.315	ug/l	100
54) cis-1,3-Dichloropropene	7.27	75	215713	50.857	ug/l	97
55) 1,1,2-Trichloroethane	8.07	97	127235	49.391	ug/l	95
56) Ethyl methacrylate	8.02	69	230243	50.682	ug/l	99
57) 1,3-Dichloropropane	8.24	76	227689	48.521	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	614840	252.700	ug/l	100
59) 2-Hexanone	8.36	43	1004125	240.393	ug/l	99
60) Dibromochloromethane	8.48	129	125252	51.381	ug/l	99
61) 1,2-Dibromoethane	8.59	107	131976	48.214	ug/l	98
64) Tetrachloroethene	8.23	164	90651	44.431	ug/l	99
65) Chlorobenzene	9.12	112	316221	47.568	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	109619	48.277	ug/l	98
67) Ethyl Benzene	9.25	91	591835	48.367	ug/l	99
68) m/p-Xylenes	9.38	106	431134	97.106	ug/l	99
69) o-Xylene	9.78	106	212379	47.372	ug/l	98
70) Styrene	9.79	104	356796	49.808	ug/l	99
71) Bromoform	9.96	173	94291	49.550	ug/l #	100
73) Isopropylbenzene	10.17	105	573978	47.408	ug/l	100
74) N-amyl acetate	10.01	43	351908	48.068	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	229837	47.062	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	229160m	53.606	ug/l	
77) Bromobenzene	10.45	156	133730	48.170	ug/l	100
78) n-propylbenzene	10.59	91	703867	48.568	ug/l	99
79) 2-Chlorotoluene	10.66	91	409132	47.098	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	486847	48.541	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.51	75	91766m	53.578	ug/l	
82) 4-Chlorotoluene	10.77	91	472086	47.870	ug/l	98
83) tert-Butylbenzene	11.10	119	469931	46.868	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	492988	48.814	ug/l	99
85) sec-Butylbenzene	11.32	105	593068	48.636	ug/l	100
86) p-Isopropyltoluene	11.48	119	505426	49.581	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	246219	48.010	ug/l	100
88) 1,4-Dichlorobenzene	11.51	146	248325	47.241	ug/l	100
89) n-Butylbenzene	11.89	91	488730	50.447	ug/l	100
90) Hexachloroethane	12.15	117	87611	48.273	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	249118	48.303	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	49959	48.548	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	174307	48.217	ug/l	97
94) Hexachlorobutadiene	13.69	225	81612	49.790	ug/l	96
95) Naphthalene	13.74	128	609928	47.569	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	175035	50.578	ug/l	99

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

