

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU011219\
 Data File : VU029150.D
 Acq On : 11 Jan 2019 18:42
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 1/14/2019 10:59:11 AM

Quant Time: Jan 12 00:15:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U010319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 04 02:22:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	170475	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	281884	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	270450	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	137275	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	110037	52.21	ug/l	0.00
Spiked Amount			Recovery	=	104.42%	
35) Dibromofluoromethane	4.88	113	91248	49.94	ug/l	0.00
Spiked Amount			Recovery	=	99.88%	
50) Toluene-d8	7.56	98	358077	49.64	ug/l	0.00
Spiked Amount			Recovery	=	99.28%	
62) 4-Bromofluorobenzene	10.30	95	126460	48.78	ug/l	0.00
Spiked Amount			Recovery	=	97.56%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.21	85	83853	49.599	ug/l	99
3) Chloromethane	1.33	50	128854	47.720	ug/l	99
4) Vinyl Chloride	1.40	62	126078	50.605	ug/l	99
5) Bromomethane	1.61	94	63511	49.557	ug/l	97
6) Chloroethane	1.69	64	72662	48.964	ug/l	98
7) Trichlorofluoromethane	1.88	101	136985	50.459	ug/l	99
8) Diethyl Ether	2.10	74	65457	50.187	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	2.28	101	90032	49.564	ug/l	99
10) Methyl Iodide	2.40	142	86388	50.579	ug/l	99
11) Tert butyl alcohol	2.83	59	141672	264.476	ug/l	99
12) 1,1-Dichloroethene	2.28	96	88782	50.214	ug/l	97
13) Acrolein	2.19	56	130522	324.495	ug/l	97
14) Allyl chloride	2.59	41	155954	48.073	ug/l	90
15) Acrylonitrile	2.93	53	361532	275.100	ug/l	99
16) Acetone	2.32	43	303171	228.363	ug/l	98
17) Carbon Disulfide	2.47	76	275413	47.007	ug/l	99
18) Methyl Acetate	2.61	43	179730	58.224	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	325572	52.376	ug/l	99
20) Methylene Chloride	2.70	84	110384	48.972	ug/l	98
21) trans-1,2-Dichloroethene	2.98	96	100397	48.875	ug/l	95
22) Diisopropyl ether	3.57	45	349415	54.498	ug/l	100
23) Vinyl Acetate	3.52	43	1436062	273.980	ug/l	100
24) 1,1-Dichloroethane	3.44	63	196285	53.032	ug/l	100
25) 2-Butanone	4.26	43	491069	273.867	ug/l	100
26) 2,2-Dichloropropane	4.22	77	154117	51.532	ug/l	99
27) cis-1,2-Dichloroethene	4.22	96	119285	53.094	ug/l	99
28) Bromochloromethane	4.55	49	87094	54.954	ug/l	96
29) Tetrahydrofuran	4.64	42	312139	287.014	ug/l	97
30) Chloroform	4.67	83	187921	53.306	ug/l	99
31) Cyclohexane	4.99	56	179627	51.444	ug/l	98
32) 1,1,1-Trichloroethane	4.91	97	152193	52.248	ug/l	97
36) 1,1-Dichloropropene	5.13	75	139362	49.462	ug/l	99
37) Ethyl Acetate	4.38	43	169362	54.761	ug/l	99
38) Carbon Tetrachloride	5.13	117	125458	53.387	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	171514	49.516	ug/l	100
40) Benzene	5.39	78	450444	51.252	ug/l	100
41) Methacrylonitrile	4.54	41	96339	58.194	ug/l	96
42) 1,2-Dichloroethane	5.40	62	144189	54.598	ug/l	99
43) Isopropyl Acetate	5.55	43	264880	55.832	ug/l	99
44) Trichloroethene	6.18	130	108310	49.738	ug/l	97
45) 1,2-Dichloropropane	6.43	63	123487	53.206	ug/l	100
46) Dibromomethane	6.56	93	77236	52.057	ug/l	97
47) Bromodichloromethane	6.76	83	146422	53.601	ug/l	99
48) Methyl methacrylate	6.62	41	133617	57.841	ug/l	99
49) 1,4-Dioxane	6.61	88	58154	1062.262	ug/l	98
51) 4-Methyl-2-Pentanone	7.46	43	910724	282.070	ug/l	99
52) Toluene	7.63	92	273935	51.200	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	166999	50.891	ug/l	97
54) cis-1,3-Dichloropropene	7.27	75	184494	52.031	ug/l	99
55) 1,1,2-Trichloroethane	8.06	97	116204	54.214	ug/l	98
56) Ethyl methacrylate	8.02	69	176692	53.508	ug/l	97
57) 1,3-Dichloropropane	8.24	76	197738	53.914	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	384712	264.910	ug/l	99
59) 2-Hexanone	8.36	43	701491	276.785	ug/l	99
60) Dibromochloromethane	8.48	129	109097	51.376	ug/l	96
61) 1,2-Dibromoethane	8.58	107	121231	52.150	ug/l	99
64) Tetrachloroethene	8.22	164	98212	50.412	ug/l	98
65) Chlorobenzene	9.12	112	295711	48.779	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.21	131	101244	51.463	ug/l	100
67) Ethyl Benzene	9.25	91	516957	51.076	ug/l	100
68) m/p-Xylenes	9.37	106	395489	100.567	ug/l	99
69) o-Xylene	9.78	106	191637	50.574	ug/l	99
70) Styrene	9.79	104	324648	52.263	ug/l	99
71) Bromoform	9.96	173	89065	50.844	ug/l #	99
73) Isopropylbenzene	10.16	105	509332	50.127	ug/l	100
74) N-amyl acetate	10.01	43	229071	52.318	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	202880	49.820	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	175566m	52.198	ug/l	
77) Bromobenzene	10.45	156	128584	48.561	ug/l	98
78) n-propylbenzene	10.58	91	610335	50.971	ug/l	99
79) 2-Chlorotoluene	10.66	91	357824	49.262	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	427323	50.362	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	55982m	42.926	ug/l	
82) 4-Chlorotoluene	10.77	91	410893	49.332	ug/l	99
83) tert-Butylbenzene	11.10	119	414116	49.517	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	438968	51.817	ug/l	98
85) sec-Butylbenzene	11.32	105	522195	51.629	ug/l	99
86) p-Isopropyltoluene	11.47	119	442226	51.311	ug/l	99
87) 1,3-Dichlorobenzene	11.41	146	234087	48.198	ug/l	99
88) 1,4-Dichlorobenzene	11.50	146	236483	47.171	ug/l	98
89) n-Butylbenzene	11.89	91	418218	54.368	ug/l	99
90) Hexachloroethane	12.14	117	70132	48.371	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	234071	47.848	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	42241	53.931	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	157615	50.473	ug/l	99
94) Hexachlorobutadiene	13.69	225	73579	51.514	ug/l	99
95) Naphthalene	13.74	128	530284	49.919	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	161515	50.238	ug/l	100

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

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