

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092018\
 Data File : VU026922.D
 Acq On : 20 Sep 2018 01:05
 Operator : MD/SY
 Sample : J4934-11MSD
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 SA-MW131D-20180912MSD

Manual Integrations
 APPROVED

MMDadoda
 9/21/2018 4:12:32 PM

Quant Time: Sep 20 08:09:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U091218W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 12 05:32:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	92625	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	137467	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	131353	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	82968	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	66462	47.30	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	94.60%	
35) Dibromofluoromethane	4.88	113	56485	50.37	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.74%	
50) Toluene-d8	7.57	98	206757	49.85	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.70%	
62) 4-Bromofluorobenzene	10.31	95	74567	49.61	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.22%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	51649	51.612	ug/l	100
3) Chloromethane	1.33	50	60366	43.176	ug/l	100
4) Vinyl Chloride	1.40	62	65434	45.161	ug/l	99
5) Bromomethane	1.61	94	30969	34.126	ug/l	98
6) Chloroethane	1.69	64	43582	47.264	ug/l	98
7) Trichlorofluoromethane	1.88	101	87181	46.028	ug/l	99
8) Diethyl Ether	2.10	74	38342	46.195	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	2.28	101	53325	47.406	ug/l	99
10) Methyl Iodide	2.41	142	27976	31.439	ug/l	98
11) Tert butyl alcohol	2.83	59	66480	194.112	ug/l	100
12) 1,1-Dichloroethene	2.28	96	53511	50.321	ug/l	97
13) Acrolein	2.19	56	54126	234.516	ug/l	99
14) Allyl chloride	2.59	41	84969	44.365	ug/l	95
15) Acrylonitrile	2.94	53	178768	243.394	ug/l	99
16) Acetone	2.32	43	154661	194.418	ug/l	98
17) Carbon Disulfide	2.48	76	153242	45.292	ug/l	99
18) Methyl Acetate	2.61	43	77819	45.337	ug/l	96
19) Methyl tert-butyl Ether	3.00	73	178936	48.871	ug/l	99
20) Methylene Chloride	2.70	84	61979	48.033	ug/l	98
21) trans-1,2-Dichloroethene	2.98	96	55229	49.301	ug/l	95
22) Diisopropyl ether	3.57	45	188821	47.238	ug/l	99
23) Vinyl Acetate	3.52	43	690070	203.233	ug/l	98
24) 1,1-Dichloroethane	3.45	63	185545	82.287	ug/l	98
25) 2-Butanone	4.26	43	232029	216.530	ug/l	98
26) 2,2-Dichloropropane	4.23	77	69057	37.259	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	62504	48.411	ug/l	95
28) Bromochloromethane	4.55	49	48763	45.225	ug/l	92
29) Tetrahydrofuran	4.64	42	150990	233.712	ug/l	98
30) Chloroform	4.67	83	105120	47.408	ug/l	98
31) Cyclohexane	5.00	56	94116	45.684	ug/l	97
32) 1,1,1-Trichloroethane	4.92	97	90298	49.185	ug/l	98
36) 1,1-Dichloropropene	5.14	75	77489	50.206	ug/l	98
37) Ethyl Acetate	4.38	43	76049	40.975	ug/l	99
38) Carbon Tetrachloride	5.13	117	79918	49.010	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	89444	48.809	ug/l	97
40) Benzene	5.39	78	239345	49.935	ug/l	99
41) Methacrylonitrile	4.54	41	48718	46.631	ug/l	98
42) 1,2-Dichloroethane	5.40	62	82745	48.413	ug/l	96
43) Isopropyl Acetate	5.55	43	123458	43.686	ug/l	98
44) Trichloroethene	6.19	130	60714	51.180	ug/l	96
45) 1,2-Dichloropropane	6.43	63	63127	48.448	ug/l	98
46) Dibromomethane	6.56	93	41277	49.090	ug/l	91
47) Bromodichloromethane	6.76	83	81260	49.078	ug/l	99
48) Methyl methacrylate	6.62	41	68028	44.214	ug/l	96
49) 1,4-Dioxane	6.61	88	30742	872.123	ug/l	98
51) 4-Methyl-2-Pentanone	7.46	43	436992	231.176	ug/l	97
52) Toluene	7.64	92	149251	52.275	ug/l	95
53) t-1,3-Dichloropropene	7.88	75	84972	46.267	ug/l	100
54) cis-1,3-Dichloropropene	7.27	75	90612	45.947	ug/l	96
55) 1,1,2-Trichloroethane	8.07	97	61478	50.257	ug/l	98
56) Ethyl methacrylate	8.02	69	88053	43.143	ug/l	95
57) 1,3-Dichloropropane	8.24	76	105526	50.612	ug/l	98
59) 2-Hexanone	8.36	43	332829	223.725	ug/l	95
60) Dibromochloromethane	8.48	129	67046	50.607	ug/l	100
61) 1,2-Dibromoethane	8.59	107	64503	48.598	ug/l	100
64) Tetrachloroethene	8.23	164	54964	52.574	ug/l	95
65) Chlorobenzene	9.12	112	164451	50.393	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	61531	51.245	ug/l	98
67) Ethyl Benzene	9.25	91	274064	50.982	ug/l	100
68) m/p-Xylenes	9.38	106	220540	107.845	ug/l	96
69) o-Xylene	9.78	106	104730	47.985	ug/l	96
70) Styrene	9.79	104	178541	48.564	ug/l	97
71) Bromoform	9.96	173	53324	51.062	ug/l #	99
73) Isopropylbenzene	10.17	105	283271	50.103	ug/l	99
74) N-amyl acetate	10.02	43	101260	37.936	ug/l	94
75) 1,1,2,2-Tetrachloroethane	10.46	83	101280	43.955	ug/l	99
76) 1,2,3-Trichloropropane	10.51	75	24067m	12.949	ug/l	
77) Bromobenzene	10.45	156	76282	49.643	ug/l	94
78) n-propylbenzene	10.59	91	325797	49.545	ug/l	99
79) 2-Chlorotoluene	10.66	91	193058	47.361	ug/l	98
80) 1,3,5-Trimethylbenzene	10.77	105	238530	50.193	ug/l	97
81) trans-1,4-Dichloro-2-buten	10.51	75	19762m	37.180	ug/l	
82) 4-Chlorotoluene	10.77	91	220696	48.188	ug/l	97
83) tert-Butylbenzene	11.10	119	238679	49.490	ug/l	96
84) 1,2,4-Trimethylbenzene	11.15	105	245261	51.168	ug/l	99
85) sec-Butylbenzene	11.32	105	285699	49.883	ug/l	99
86) p-Isopropyltoluene	11.48	119	258933	47.090	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	139010	48.492	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	142044	47.712	ug/l	98
89) n-Butylbenzene	11.89	91	211451	42.202	ug/l	96
90) Hexachloroethane	12.15	117	44786	44.315	ug/l	92
91) 1,2-Dichlorobenzene	11.88	146	139878	48.507	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	20780	44.982	ug/l	90
93) 1,2,4-Trichlorobenzene	13.50	180	95401	49.819	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.69	225	51082	51.853	ug/l	99
95) Naphthalene	13.74	128	304482	47.321	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	104093	52.048	ug/l	99

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

