

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092318\
 Data File : VU027089.D
 Acq On : 23 Sep 2018 21:52
 Operator : MD/SY
 Sample : J4954-11MS
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 133 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 SA-SW204-20180914MS

Manual Integrations
 APPROVED

MMDadoda
 9/24/2018 4:40:39 PM

Quant Time: Sep 24 09:05:18 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U092218W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 22 01:31:57 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	76899	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	136613	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	135280	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	73868	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	85288	55.11	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	110.22%	
35) Dibromofluoromethane	4.88	113	58372	49.29	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.58%	
50) Toluene-d8	7.57	98	228303	50.59	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.18%	
62) 4-Bromofluorobenzene	10.31	95	81245	52.47	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	104.94%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.21	85	48888	48.692	ug/l	100
3) Chloromethane	1.33	50	84122	48.596	ug/l	100
4) Vinyl Chloride	1.40	62	80985	50.120	ug/l	99
5) Bromomethane	1.62	94	41801	45.428	ug/l	100
6) Chloroethane	1.70	64	53910	52.217	ug/l	99
7) Trichlorofluoromethane	1.89	101	94112	51.281	ug/l	98
8) Diethyl Ether	2.11	74	46453	52.588	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.29	101	54865	48.621	ug/l	99
10) Methyl Iodide	2.41	142	51757	36.982	ug/l	99
11) Tert butyl alcohol	2.82	59	88123	248.410	ug/l	98
12) 1,1-Dichloroethene	2.29	96	53482	50.355	ug/l	99
13) Acrolein	2.20	56	44298	231.644	ug/l	100
14) Allyl chloride	2.59	41	115141	53.450	ug/l	96
15) Acrylonitrile	2.94	53	253623	283.662	ug/l	98
16) Acetone	2.32	43	230276	282.234	ug/l	99
17) Carbon Disulfide	2.48	76	169943	49.117	ug/l	100
18) Methyl Acetate	2.62	43	97813	44.402	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	221380	56.722	ug/l	100
20) Methylene Chloride	2.70	84	70127	50.593	ug/l	97
21) trans-1,2-Dichloroethene	2.98	96	59718	52.663	ug/l	99
22) Diisopropyl ether	3.57	45	274981	59.680	ug/l	97
23) Vinyl Acetate	3.53	43	830226	211.382	ug/l	99
24) 1,1-Dichloroethane	3.45	63	139446	54.950	ug/l	99
25) 2-Butanone	4.26	43	363794	279.694	ug/l	98
26) 2,2-Dichloropropane	4.23	77	57410	29.008	ug/l	95
27) cis-1,2-Dichloroethene	4.23	96	69431	54.217	ug/l	96
28) Bromochloromethane	4.55	49	74551	60.944	ug/l	94
29) Tetrahydrofuran	4.64	42	237992	302.471	ug/l	97
30) Chloroform	4.67	83	124667	52.924	ug/l	100
31) Cyclohexane	5.00	56	126907	55.073	ug/l	98
32) 1,1,1-Trichloroethane	4.92	97	102458	54.477	ug/l	99
36) 1,1-Dichloropropene	5.14	75	92430	50.695	ug/l	99
37) Ethyl Acetate	4.38	43	100332	40.650	ug/l	99
38) Carbon Tetrachloride	5.14	117	86883	50.075	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	102991	51.980	ug/l	98
40) Benzene	5.39	78	282772	51.017	ug/l	100
41) Methacrylonitrile	4.54	41	75259	58.711	ug/l	98
42) 1,2-Dichloroethane	5.40	62	109742	52.405	ug/l	98
43) Isopropyl Acetate	5.55	43	169424	47.068	ug/l	99
44) Trichloroethene	6.19	130	59141	50.120	ug/l	99
45) 1,2-Dichloropropane	6.43	63	84432	53.462	ug/l	99
46) Dibromomethane	6.56	93	48774	51.136	ug/l	97
47) Bromodichloromethane	6.76	83	98931	51.295	ug/l	98
48) Methyl methacrylate	6.62	41	102888	52.465	ug/l	99
49) 1,4-Dioxane	6.61	88	32818	843.195	ug/l	97
51) 4-Methyl-2-Pentanone	7.46	43	700814	289.481	ug/l	99
52) Toluene	7.64	92	169069	53.216	ug/l	98
53) t-1,3-Dichloropropene	7.88	75	104870	50.609	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	108252	47.512	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	68641	50.989	ug/l	97
56) Ethyl methacrylate	8.02	69	117589	50.327	ug/l	98
57) 1,3-Dichloropropane	8.24	76	134562	53.743	ug/l	100
59) 2-Hexanone	8.36	43	538762	284.299	ug/l	99
60) Dibromochloromethane	8.48	129	69569	52.685	ug/l	98
61) 1,2-Dibromoethane	8.59	107	72179	51.532	ug/l	99
64) Tetrachloroethene	8.23	164	47668	45.728	ug/l	97
65) Chlorobenzene	9.12	112	171320	47.762	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	62734	50.777	ug/l	99
67) Ethyl Benzene	9.25	91	315161	53.432	ug/l	99
68) m/p-Xylenes	9.38	106	234233	98.086	ug/l	98
69) o-Xylene	9.78	106	113572	54.344	ug/l	99
70) Styrene	9.79	104	178759	45.962	ug/l	98
71) Bromoform	9.96	173	50317	52.666	ug/l #	99
73) Isopropylbenzene	10.17	105	304622	54.212	ug/l	100
74) N-amyl acetate	10.01	43	131061	40.295	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	123180	47.680	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	106032m	47.249	ug/l	
77) Bromobenzene	10.45	156	67560	49.202	ug/l	92
78) n-propylbenzene	10.59	91	364958	54.892	ug/l	99
79) 2-Chlorotoluene	10.66	91	216966	51.953	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	253784	54.714	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	28804m	41.076	ug/l	
82) 4-Chlorotoluene	10.77	91	249225	53.222	ug/l	98
83) tert-Butylbenzene	11.10	119	242083	52.790	ug/l	98
84) 1,2,4-Trimethylbenzene	11.15	105	259243	54.919	ug/l	99
85) sec-Butylbenzene	11.32	105	304911	54.469	ug/l	99
86) p-Isopropyltoluene	11.48	119	258194	49.170	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	124277	48.637	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	126407	45.390	ug/l	99
89) n-Butylbenzene	11.89	91	231032	45.594	ug/l	100
90) Hexachloroethane	12.15	117	48723	47.864	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	127235	46.876	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	28030	53.184	ug/l	94
93) 1,2,4-Trichlorobenzene	13.50	180	80110	51.217	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.69	225	38249	46.216	ug/l	97
95) Naphthalene	13.74	128	298909	48.915	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	85608	51.037	ug/l	98

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

