

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092318\
 Data File : VU027043.D
 Acq On : 23 Sep 2018 02:38
 Operator : MD/SY
 Sample : VU0923WBS01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 85 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0923WBS01

Manual Integrations
 APPROVED

MMDadoda
 9/24/2018 4:40:30 PM

Quant Time: Sep 24 06:09:10 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	80373	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	140025	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	136109	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	71538	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	84607	52.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.60%	
35) Dibromofluoromethane	4.88	113	59486	49.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.02%	
50) Toluene-d8	7.57	98	229123	49.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.06%	
62) 4-Bromofluorobenzene	10.31	95	79156	49.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	20003	19.062	ug/l	99
3) Chloromethane	1.33	50	33541	18.539	ug/l	99
4) Vinyl Chloride	1.40	62	32226	19.082	ug/l	99
5) Bromomethane	1.62	94	17922	18.635	ug/l	99
6) Chloroethane	1.70	64	21514	19.938	ug/l	97
7) Trichlorofluoromethane	1.89	101	37932	19.776	ug/l	99
8) Diethyl Ether	2.11	74	18048	19.548	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	2.29	101	22298	18.906	ug/l	98
10) Methyl Iodide	2.41	142	22611	15.458	ug/l	99
11) Tert butyl alcohol	2.82	59	37483	101.094	ug/l	99
12) 1,1-Dichloroethene	2.29	96	22335	20.120	ug/l	96
13) Acrolein	2.20	56	19403	97.077	ug/l	98
14) Allyl chloride	2.59	41	46377	20.598	ug/l	99
15) Acrylonitrile	2.94	53	96688	103.466	ug/l	99
16) Acetone	2.32	43	86404	89.932	ug/l	99
17) Carbon Disulfide	2.48	76	67648	18.707	ug/l	99
18) Methyl Acetate	2.62	43	48900	21.238	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	86240	21.141	ug/l	99
20) Methylene Chloride	2.70	84	28007	19.332	ug/l	98
21) trans-1,2-Dichloroethene	2.98	96	23773	20.058	ug/l	96
22) Diisopropyl ether	3.58	45	108080	22.443	ug/l	98
23) Vinyl Acetate	3.53	43	445644	108.560	ug/l	99
24) 1,1-Dichloroethane	3.45	63	54759	20.646	ug/l	99
25) 2-Butanone	4.26	43	135979	100.025	ug/l	97
26) 2,2-Dichloropropane	4.23	77	33600	16.244	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	27818	20.784	ug/l	100
28) Bromochloromethane	4.55	49	28621	22.386	ug/l	94
29) Tetrahydrofuran	4.64	42	88728	107.893	ug/l	97
30) Chloroform	4.67	83	49761	20.212	ug/l	98
31) Cyclohexane	5.00	56	49811	20.319	ug/l	96
32) 1,1,1-Trichloroethane	4.92	97	40270	20.486	ug/l	98
36) 1,1-Dichloropropene	5.14	75	36886	19.738	ug/l	99
37) Ethyl Acetate	4.38	43	49655	19.628	ug/l	98
38) Carbon Tetrachloride	5.13	117	34483	19.390	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	38908	19.158	ug/l	98
40) Benzene	5.39	78	112731	19.843	ug/l	99
41) Methacrylonitrile	4.55	41	27353	20.819	ug/l	97
42) 1,2-Dichloroethane	5.40	62	43655	20.339	ug/l	98
43) Isopropyl Acetate	5.55	43	77303	20.952	ug/l	98
44) Trichloroethene	6.19	130	23372	19.324	ug/l	94
45) 1,2-Dichloropropane	6.43	63	33057	20.421	ug/l	98
46) Dibromomethane	6.56	93	19028	19.463	ug/l	98
47) Bromodichloromethane	6.76	83	38421	19.436	ug/l	99
48) Methyl methacrylate	6.62	41	37903	19.505	ug/l	98
49) 1,4-Dioxane	6.62	88	14725	368.138	ug/l	97
51) 4-Methyl-2-Pentanone	7.46	43	259639	104.634	ug/l	99
52) Toluene	7.64	92	66774	20.505	ug/l	98
53) t-1,3-Dichloropropene	7.88	75	41497	19.538	ug/l	97
54) cis-1,3-Dichloropropene	7.27	75	45477	19.474	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	28003	20.295	ug/l	98
56) Ethyl methacrylate	8.02	69	43063	19.391	ug/l	98
57) 1,3-Dichloropropane	8.24	76	53159	20.714	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	125289	95.280	ug/l	97
59) 2-Hexanone	8.36	43	195123	100.455	ug/l	97
60) Dibromochloromethane	8.48	129	26883	19.862	ug/l	99
61) 1,2-Dibromoethane	8.59	107	28341	19.741	ug/l	100
64) Tetrachloroethene	8.23	164	20538	19.582	ug/l	95
65) Chlorobenzene	9.12	112	68339	18.936	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	24729	19.894	ug/l	99
67) Ethyl Benzene	9.25	91	119465	20.131	ug/l	98
68) m/p-Xylenes	9.38	106	89581	38.214	ug/l	100
69) o-Xylene	9.78	106	42311	20.123	ug/l	99
70) Styrene	9.79	104	69836	18.954	ug/l	100
71) Bromoform	9.96	173	18546	19.293	ug/l #	100
73) Isopropylbenzene	10.17	105	115755	21.271	ug/l	100
74) N-amyl acetate	10.02	43	65200	20.699	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	47806	19.107	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	42839m	19.711	ug/l	
77) Bromobenzene	10.45	156	27067	20.354	ug/l	98
78) n-propylbenzene	10.59	91	136690	21.229	ug/l	100
79) 2-Chlorotoluene	10.66	91	84138	20.803	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	95776	21.321	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.51	75	11826m	17.414	ug/l	
82) 4-Chlorotoluene	10.77	91	95055	20.960	ug/l	99
83) tert-Butylbenzene	11.10	119	89761	20.211	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	97589	21.347	ug/l	100
85) sec-Butylbenzene	11.32	105	115192	21.248	ug/l	100
86) p-Isopropyltoluene	11.48	119	94970	19.250	ug/l	98
87) 1,3-Dichlorobenzene	11.42	146	48256	19.500	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	49808	18.468	ug/l	99
89) n-Butylbenzene	11.89	91	83658	18.546	ug/l	99
90) Hexachloroethane	12.15	117	18892	19.163	ug/l	98
91) 1,2-Dichlorobenzene	11.88	146	48705	18.529	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.66	75	10096	19.780	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	29321	19.356	ug/l	99
94) Hexachlorobutadiene	13.69	225	15016	18.735	ug/l	100
95) Naphthalene	13.74	128	103054	18.501	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	32482	19.996	ug/l	98

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

