

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU010919\
 Data File : VU029084.D
 Acq On : 09 Jan 2019 10:50
 Operator : MD/SY
 Sample : VU0109WBSD01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0109WBSD01

Manual Integrations
 APPROVED

MMDadoda
 1/10/2019 9:38:36 AM

Quant Time: Jan 10 04:41:57 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	113977	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	187817	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	174356	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	84957	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	74698	53.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.04%	
35) Dibromofluoromethane	4.88	113	63018	51.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.52%	
50) Toluene-d8	7.56	98	241937	50.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.68%	
62) 4-Bromofluorobenzene	10.30	95	81854	47.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	22628	20.019	ug/l	97
3) Chloromethane	1.33	50	35517	19.257	ug/l	99
4) Vinyl Chloride	1.40	62	33731	20.250	ug/l	97
5) Bromomethane	1.62	94	19452	20.949	ug/l	98
6) Chloroethane	1.69	64	20079	20.237	ug/l	98
7) Trichlorofluoromethane	1.88	101	36771	20.259	ug/l	98
8) Diethyl Ether	2.10	74	17518	20.089	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.29	101	24549	20.214	ug/l	99
10) Methyl Iodide	2.41	142	24110	21.113	ug/l	98
11) Tert butyl alcohol	2.83	59	37275	104.079	ug/l	99
12) 1,1-Dichloroethene	2.28	96	23917	20.233	ug/l	99
13) Acrolein	2.19	56	27058	100.615	ug/l	98
14) Allyl chloride	2.59	41	41682	19.218	ug/l	91
15) Acrylonitrile	2.94	53	96557	109.893	ug/l	99
16) Acetone	2.32	43	88868	100.122	ug/l	98
17) Carbon Disulfide	2.48	76	75631	18.975	ug/l	99
18) Methyl Acetate	2.61	43	47348	22.942	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	84794	20.403	ug/l	99
20) Methylene Chloride	2.70	84	29902	19.842	ug/l	96
21) trans-1,2-Dichloroethene	2.98	96	26478	19.279	ug/l	97
22) Diisopropyl ether	3.57	45	91023	21.234	ug/l	95
23) Vinyl Acetate	3.52	43	372578	106.318	ug/l	99
24) 1,1-Dichloroethane	3.45	63	51771	20.921	ug/l	99
25) 2-Butanone	4.26	43	132450	110.482	ug/l	99
26) 2,2-Dichloropropane	4.22	77	41112	20.561	ug/l	98
27) cis-1,2-Dichloroethene	4.22	96	29706	19.776	ug/l	96
28) Bromochloromethane	4.55	49	22499	21.233	ug/l	96
29) Tetrahydrofuran	4.64	42	82930	114.054	ug/l	97
30) Chloroform	4.67	83	48957	20.771	ug/l	99
31) Cyclohexane	4.99	56	47567	19.682	ug/l	99
32) 1,1,1-Trichloroethane	4.91	97	39900	20.487	ug/l	99
36) 1,1-Dichloropropene	5.14	75	36291	19.331	ug/l	99
37) Ethyl Acetate	4.38	43	45235	21.952	ug/l	98
38) Carbon Tetrachloride	5.13	117	32259	20.603	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	44341	19.213	ug/l	98
40) Benzene	5.39	78	116598	19.911	ug/l	99
41) Methacrylonitrile	4.54	41	24031	21.786	ug/l	100
42) 1,2-Dichloroethane	5.40	62	37277	21.185	ug/l	98
43) Isopropyl Acetate	5.55	43	69393	21.953	ug/l	99
44) Trichloroethene	6.18	130	28234	19.459	ug/l	99
45) 1,2-Dichloropropane	6.43	63	32321	20.901	ug/l	97
46) Dibromomethane	6.56	93	20185	20.419	ug/l	98
47) Bromodichloromethane	6.76	83	37734	20.732	ug/l	98
48) Methyl methacrylate	6.62	41	33418	21.711	ug/l	98
49) 1,4-Dioxane	6.61	88	14976	410.567	ug/l	97
51) 4-Methyl-2-Pentanone	7.46	43	235577	109.506	ug/l	100
52) Toluene	7.64	92	70587	19.801	ug/l	98
53) t-1,3-Dichloropropene	7.88	75	43336	19.820	ug/l	96
54) cis-1,3-Dichloropropene	7.27	75	47658	20.172	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	30167	21.123	ug/l	98
56) Ethyl methacrylate	8.02	69	43309	19.684	ug/l	97
57) 1,3-Dichloropropane	8.24	76	50475	20.655	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.12	63	94286	97.442	ug/l	99
59) 2-Hexanone	8.36	43	183215	108.497	ug/l	98
60) Dibromochloromethane	8.48	129	28234	19.955	ug/l	98
61) 1,2-Dibromoethane	8.58	107	31197	20.141	ug/l	100
64) Tetrachloroethene	8.22	164	25601	20.383	ug/l	98
65) Chlorobenzene	9.12	112	76159	19.487	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	26047	20.537	ug/l	98
67) Ethyl Benzene	9.25	91	128224	19.651	ug/l	99
68) m/p-Xylenes	9.37	106	100630	39.692	ug/l	97
69) o-Xylene	9.78	106	48089	19.686	ug/l	98
70) Styrene	9.79	104	78109	19.504	ug/l	100
71) Bromoform	9.96	173	22575	19.990	ug/l #	99
73) Isopropylbenzene	10.16	105	124673	19.826	ug/l	100
74) N-amyl acetate	10.01	43	56369	20.803	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	52675	20.901	ug/l	97
76) 1,2,3-Trichloropropane	10.49	75	43610m	20.950	ug/l	
77) Bromobenzene	10.45	156	32398	19.770	ug/l	99
78) n-propylbenzene	10.58	91	148984	20.104	ug/l	99
79) 2-Chlorotoluene	10.66	91	90029	20.027	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	103983	19.802	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.51	75	15196m	18.828	ug/l	
82) 4-Chlorotoluene	10.77	91	100955	19.585	ug/l	96
83) tert-Butylbenzene	11.10	119	102494	19.803	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	103691	19.778	ug/l	99
85) sec-Butylbenzene	11.32	105	125809	20.099	ug/l	99
86) p-Isopropyltoluene	11.48	119	106092	19.890	ug/l	99
87) 1,3-Dichlorobenzene	11.41	146	56430	18.774	ug/l	98
88) 1,4-Dichlorobenzene	11.50	146	57921	18.668	ug/l	99
89) n-Butylbenzene	11.89	91	94799	19.913	ug/l	99
90) Hexachloroethane	12.14	117	17173	19.138	ug/l	96
91) 1,2-Dichlorobenzene	11.88	146	58132	19.201	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.66	75	10537	21.738	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	35856	18.553	ug/l	100
94) Hexachlorobutadiene	13.69	225	18031	20.398	ug/l	99
95) Naphthalene	13.74	128	118022	17.952	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	37747	19.454	ug/l	98

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

