

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091219\
 Data File : VU034525.D
 Acq On : 12 Sep 2019 17:14
 Operator : JC/SP
 Sample : VU0912WBS04
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0912WBS04

Manual Integrations
 APPROVED

MMDadoda
 9/16/2019 11:17:40 AM

Quant Time: Sep 13 07:57:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U090619W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 06 05:10:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.96	168	255589	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	370586	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	362691	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	242502	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.29	65	197734	51.13	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.26%	
35) Dibromofluoromethane	4.86	113	177172	51.38	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.76%	
50) Toluene-d8	7.54	98	652609	50.37	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.74%	
62) 4-Bromofluorobenzene	10.29	95	247543	49.49	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.98%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.20	85	49140	18.383	ug/l	98
3) Chloromethane	1.32	50	58846	20.326	ug/l	99
4) Vinyl Chloride	1.40	62	60444	18.146	ug/l	100
5) Bromomethane	1.62	94	39744	21.046	ug/l	98
6) Chloroethane	1.69	64	40699	20.429	ug/l	100
7) Trichlorofluoromethane	1.88	101	89833	20.114	ug/l	96
8) Diethyl Ether	2.09	74	40498	20.614	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.28	101	61208	20.691	ug/l	98
10) Methyl Iodide	2.40	142	41678	18.062	ug/l	100
11) Tert butyl alcohol	2.81	59	96881	118.583	ug/l	97
12) 1,1-Dichloroethene	2.27	96	54207	19.493	ug/l	99
13) Acrolein	2.18	56	31328	45.623	ug/l	100
14) Allyl chloride	2.58	41	103518m	19.472	ug/l	
15) Acrylonitrile	2.92	53	223572	109.891	ug/l	99
16) Acetone	2.31	43	208764	104.318	ug/l	99
17) Carbon Disulfide	2.47	76	102864	16.458	ug/l	100
18) Methyl Acetate	2.60	43	100330	20.604	ug/l	98
19) Methyl tert-butyl Ether	2.98	73	219307	21.637	ug/l	99
20) Methylene Chloride	2.69	84	71625	21.624	ug/l	98
21) trans-1,2-Dichloroethene	2.97	96	57612	19.660	ug/l	99
22) Diisopropyl ether	3.55	45	225666	21.766	ug/l	94
23) Vinyl Acetate	3.50	43	901473	106.744	ug/l	99
24) 1,1-Dichloroethane	3.43	63	125896	20.333	ug/l	99
25) 2-Butanone	4.24	43	289278	108.288	ug/l	99
26) 2,2-Dichloropropane	4.20	77	105389	21.164	ug/l	99
27) cis-1,2-Dichloroethene	4.21	96	75665	21.260	ug/l	98
28) Bromochloromethane	4.53	49	59338	20.836	ug/l	98
29) Tetrahydrofuran	4.62	42	176061	108.309	ug/l	99
30) Chloroform	4.65	83	130632	20.757	ug/l	99
31) Cyclohexane	4.97	56	86667	19.133	ug/l	98
32) 1,1,1-Trichloroethane	4.89	97	106603	21.186	ug/l	99
36) 1,1-Dichloropropene	5.12	75	79748	19.842	ug/l	99
37) Ethyl Acetate	4.36	43	101831	21.430	ug/l	100
38) Carbon Tetrachloride	5.11	117	88744	20.680	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.40	83	80992	18.851	ug/l	98
40) Benzene	5.37	78	269041	20.746	ug/l	100
41) Methacrylonitrile	4.52	41	54609	21.575	ug/l	98
42) 1,2-Dichloroethane	5.38	62	94046	20.887	ug/l	100
43) Isopropyl Acetate	5.53	43	155228	20.941	ug/l	99
44) Trichloroethene	6.17	130	75097	20.926	ug/l	98
45) 1,2-Dichloropropane	6.41	63	79687	21.019	ug/l	100
46) Dibromomethane	6.54	93	50383	21.171	ug/l	98
47) Bromodichloromethane	6.74	83	104035	21.238	ug/l	99
48) Methyl methacrylate	6.60	41	70874	20.130	ug/l	98
49) 1,4-Dioxane	6.59	88	32781	426.387	ug/l	99
51) 4-Methyl-2-Pentanone	7.44	43	548199	106.838	ug/l	100
52) Toluene	7.62	92	170785	20.993	ug/l	99
53) t-1,3-Dichloropropene	7.86	75	105125	20.702	ug/l	99
54) cis-1,3-Dichloropropene	7.25	75	117718	21.122	ug/l	99
55) 1,1,2-Trichloroethane	8.05	97	79961	21.646	ug/l	99
56) Ethyl methacrylate	8.00	69	106814	20.938	ug/l	99
57) 1,3-Dichloropropane	8.22	76	127330	21.168	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.11	63	155945	93.288	ug/l	100
59) 2-Hexanone	8.34	43	415268	108.334	ug/l	100
60) Dibromochloromethane	8.45	129	86314	21.785	ug/l	99
61) 1,2-Dibromoethane	8.57	107	75944	21.005	ug/l	98
64) Tetrachloroethene	8.21	164	66049	20.991	ug/l	98
65) Chlorobenzene	9.10	112	197924	21.510	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.19	131	76866	21.889	ug/l	100
67) Ethyl Benzene	9.23	91	315168	20.948	ug/l	99
68) m/p-Xylenes	9.35	106	243907	43.052	ug/l	99
69) o-Xylene	9.76	106	120685	21.782	ug/l	100
70) Styrene	9.77	104	214334	22.064	ug/l	99
71) Bromoform	9.94	173	66139	21.732	ug/l #	99
73) Isopropylbenzene	10.14	105	332259	21.054	ug/l	100
74) N-amyl acetate	9.99	43	133613	21.033	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.43	83	134563	21.065	ug/l	98
76) 1,2,3-Trichloropropane	10.47	75	114205m	21.575	ug/l	
77) Bromobenzene	10.43	156	92694	21.006	ug/l	98
78) n-propylbenzene	10.57	91	382691	20.997	ug/l	100
79) 2-Chlorotoluene	10.64	91	234401	21.078	ug/l	100
80) 1,3,5-Trimethylbenzene	10.75	105	286633	21.717	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.49	75	31420m	19.961	ug/l	
82) 4-Chlorotoluene	10.75	91	267483	20.901	ug/l	98
83) tert-Butylbenzene	11.08	119	272631	20.648	ug/l	99
84) 1,2,4-Trimethylbenzene	11.12	105	286471	21.562	ug/l	100
85) sec-Butylbenzene	11.30	105	331610	21.274	ug/l	100
86) p-Isopropyltoluene	11.45	119	306523	21.305	ug/l	100
87) 1,3-Dichlorobenzene	11.40	146	167356	20.784	ug/l	99
88) 1,4-Dichlorobenzene	11.49	146	172368	20.523	ug/l	99
89) n-Butylbenzene	11.87	91	255596	20.443	ug/l	99
90) Hexachloroethane	12.12	117	47830	20.779	ug/l	99
91) 1,2-Dichlorobenzene	11.85	146	166504	21.040	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.64	75	25111	21.392	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.48	180	101191	19.866	ug/l	99
94) Hexachlorobutadiene	13.67	225	52188	18.853	ug/l	99
95) Naphthalene	13.72	128	263263	18.963	ug/l	99
96) 1,2,3-Trichlorobenzene	13.97	180	102073	20.080	ug/l	99

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

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