

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082919\
 Data File : VU034031.D
 Acq On : 28 Aug 2019 18:28
 Operator : JC/SP
 Sample : VU0829WBSD01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0829WBSD01

Manual Integrations
 APPROVED

MMDadoda
 8/29/2019 8:47:31 AM

Quant Time: Aug 29 04:55:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U082919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 29 04:11:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.96	168	422787	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	690827	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	650694	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.47	152	347208	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.29	65	272730	50.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.68%	
35) Dibromofluoromethane	4.86	113	228121	47.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.22%	
50) Toluene-d8	7.55	98	884900	49.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.64%	
62) 4-Bromofluorobenzene	10.29	95	325170	46.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	88222	20.748	ug/l	98
3) Chloromethane	1.32	50	105864	17.274	ug/l	99
4) Vinyl Chloride	1.40	62	111709	19.739	ug/l	96
5) Bromomethane	1.62	94	26329	4.363	ug/l	94
6) Chloroethane	1.69	64	68240	19.724	ug/l	99
7) Trichlorofluoromethane	1.88	101	129998	19.825	ug/l	98
8) Diethyl Ether	2.09	74	57374	20.453	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.28	101	82602	19.884	ug/l	99
10) Methyl Iodide	2.40	142	22086	3.748	ug/l	98
11) Tert butyl alcohol	2.81	59	108697	87.009	ug/l	98
12) 1,1-Dichloroethene	2.27	96	85391	20.175	ug/l	98
13) Acrolein	2.18	56	41644	79.241	ug/l	94
14) Allyl chloride	2.58	41	154826m	19.456	ug/l	
15) Acrylonitrile	2.92	53	286864	100.068	ug/l	100
16) Acetone	2.31	43	243655	88.148	ug/l	99
17) Carbon Disulfide	2.47	76	266719	19.911	ug/l	100
18) Methyl Acetate	2.60	43	134817	18.874	ug/l	99
19) Methyl tert-butyl Ether	2.98	73	286875	20.686	ug/l	100
20) Methylene Chloride	2.68	84	103237	19.729	ug/l	98
21) trans-1,2-Dichloroethene	2.97	96	92216	20.075	ug/l	98
22) Diisopropyl ether	3.55	45	304571	20.887	ug/l	96
23) Vinyl Acetate	3.50	43	1276734	101.923	ug/l	99
24) 1,1-Dichloroethane	3.43	63	177071	20.568	ug/l	99
25) 2-Butanone	4.24	43	375348	97.602	ug/l	99
26) 2,2-Dichloropropane	4.20	77	131650	18.793	ug/l	99
27) cis-1,2-Dichloroethene	4.20	96	103445	20.064	ug/l	99
28) Bromochloromethane	4.52	49	83349	19.651	ug/l	97
29) Tetrahydrofuran	4.61	42	243708	102.760	ug/l	99
30) Chloroform	4.65	83	167240	19.470	ug/l	97
31) Cyclohexane	4.97	56	160461	19.836	ug/l	95
32) 1,1,1-Trichloroethane	4.89	97	141617	20.131	ug/l	98
36) 1,1-Dichloropropene	5.12	75	126541	19.366	ug/l	98
37) Ethyl Acetate	4.36	43	138365	18.909	ug/l	99
38) Carbon Tetrachloride	5.11	117	121916	19.329	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.40	83	145809	18.932	ug/l	96
40) Benzene	5.37	78	387601	19.606	ug/l	100
41) Methacrylonitrile	4.52	41	74617	19.883	ug/l	98
42) 1,2-Dichloroethane	5.38	62	133290	19.524	ug/l	99
43) Isopropyl Acetate	5.53	43	212056	19.049	ug/l	99
44) Trichloroethene	6.17	130	102800	19.801	ug/l	98
45) 1,2-Dichloropropane	6.41	63	106335	19.539	ug/l	99
46) Dibromomethane	6.54	93	66606	18.997	ug/l	98
47) Bromodichloromethane	6.74	83	131145	19.118	ug/l	100
48) Methyl methacrylate	6.60	41	99912	18.599	ug/l	97
49) 1,4-Dioxane	6.59	88	44813	332.948	ug/l	99
51) 4-Methyl-2-Pentanone	7.44	43	717070	93.272	ug/l	100
52) Toluene	7.62	92	239976	19.705	ug/l	100
53) t-1,3-Dichloropropene	7.86	75	138412	18.184	ug/l	97
54) cis-1,3-Dichloropropene	7.25	75	155735	18.728	ug/l	99
55) 1,1,2-Trichloroethane	8.05	97	94446	18.334	ug/l	98
56) Ethyl methacrylate	8.00	69	142012	17.268	ug/l	99
57) 1,3-Dichloropropane	8.22	76	167381	19.136	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.11	63	275684	96.733	ug/l	100
59) 2-Hexanone	8.34	43	531295	91.544	ug/l	100
60) Dibromochloromethane	8.46	129	101716	18.394	ug/l	99
61) 1,2-Dibromoethane	8.57	107	101212	18.651	ug/l	99
64) Tetrachloroethene	8.21	164	89194	20.411	ug/l	98
65) Chlorobenzene	9.10	112	261280	19.512	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.19	131	91237	18.790	ug/l	99
67) Ethyl Benzene	9.23	91	446150	19.655	ug/l	100
68) m/p-Xylenes	9.36	106	344666	39.933	ug/l	100
69) o-Xylene	9.76	106	161792	19.539	ug/l	97
70) Styrene	9.77	104	283217	19.948	ug/l	100
71) Bromoform	9.94	173	74959	17.768	ug/l #	98
73) Isopropylbenzene	10.15	105	441025	18.910	ug/l	100
74) N-amyl acetate	10.00	43	182466	18.602	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.44	83	164027	18.376	ug/l	99
76) 1,2,3-Trichloropropane	10.48	75	140227m	17.919	ug/l	
77) Bromobenzene	10.43	156	114473	18.247	ug/l	97
78) n-propylbenzene	10.57	91	521142	19.188	ug/l	99
79) 2-Chlorotoluene	10.64	91	314259	19.290	ug/l	99
80) 1,3,5-Trimethylbenzene	10.76	105	390502	19.756	ug/l	98
81) trans-1,4-Dichloro-2-buten	10.49	75	27367m	11.776	ug/l	
82) 4-Chlorotoluene	10.76	91	357816	19.098	ug/l	100
83) tert-Butylbenzene	11.08	119	358856	18.442	ug/l	99
84) 1,2,4-Trimethylbenzene	11.13	105	383636	19.545	ug/l	99
85) sec-Butylbenzene	11.31	105	443741	19.026	ug/l	100
86) p-Isopropyltoluene	11.46	119	411467	19.507	ug/l	100
87) 1,3-Dichlorobenzene	11.40	146	210829	18.982	ug/l	100
88) 1,4-Dichlorobenzene	11.49	146	212969	18.960	ug/l	99
89) n-Butylbenzene	11.87	91	364737	19.613	ug/l	100
90) Hexachloroethane	12.13	117	55645	15.258	ug/l	99
91) 1,2-Dichlorobenzene	11.86	146	203096	19.089	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.64	75	31015	17.441	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.49	180	137041	18.819	ug/l	98
94) Hexachlorobutadiene	13.67	225	76981	18.496	ug/l	99
95) Naphthalene	13.73	128	376893	18.558	ug/l	99
96) 1,2,3-Trichlorobenzene	13.97	180	138313	20.294	ug/l	99

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

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