

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU090719\
 Data File : VU034364.D
 Acq On : 07 Sep 2019 04:55
 Operator : JC/SP
 Sample : K4725-08MS
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 S13-0263MS

Manual Integrations
 APPROVED

MMDadoda
 9/10/2019 1:31:35 PM

Quant Time: Sep 07 06:29:04 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	300191	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	454619	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	443703	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	292628	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.29	65	228395	50.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.58%	
35) Dibromofluoromethane	4.86	113	204945	48.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.90%	
50) Toluene-d8	7.54	98	811375	51.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.10%	
62) 4-Bromofluorobenzene	10.29	95	307892	50.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	130486	41.562	ug/l	96
3) Chloromethane	1.32	50	153276	45.181	ug/l	98
4) Vinyl Chloride	1.40	62	167899	42.916	ug/l	99
5) Bromomethane	1.61	94	103753	52.463	ug/l	98
6) Chloroethane	1.69	64	109863	48.280	ug/l	100
7) Trichlorofluoromethane	1.88	101	232645	44.350	ug/l	97
8) Diethyl Ether	2.09	74	109731	47.556	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.28	101	149726	43.095	ug/l	98
10) Methyl Iodide	2.40	142	135524	43.202	ug/l	100
11) Tert butyl alcohol	2.81	59	252473	263.115	ug/l	99
12) 1,1-Dichloroethene	2.27	96	148588	45.494	ug/l	97
13) Acrolein	2.18	56	117247	145.378	ug/l	99
14) Allyl chloride	2.58	41	274477m	43.958	ug/l	
15) Acrylonitrile	2.92	53	587894	246.031	ug/l	98
16) Acetone	2.31	43	458476	195.059	ug/l	98
17) Carbon Disulfide	2.47	76	297707	40.556	ug/l	100
18) Methyl Acetate	2.60	43	221288	38.692	ug/l	97
19) Methyl tert-butyl Ether	2.98	73	593592	49.862	ug/l	100
20) Methylene Chloride	2.69	84	188112	48.853	ug/l	99
21) trans-1,2-Dichloroethene	2.97	96	158054	45.922	ug/l	97
22) Diisopropyl ether	3.55	45	596327	48.972	ug/l	98
23) Vinyl Acetate	3.50	43	2115139	213.243	ug/l	98
24) 1,1-Dichloroethane	3.43	63	333946	45.922	ug/l	99
25) 2-Butanone	4.24	43	756072	240.976	ug/l	100
26) 2,2-Dichloropropane	4.20	77	205855	35.197	ug/l	97
27) cis-1,2-Dichloroethene	4.20	96	206213	49.331	ug/l	94
28) Bromochloromethane	4.52	49	162680	48.636	ug/l	94
29) Tetrahydrofuran	4.61	42	477266	249.980	ug/l	98
30) Chloroform	4.65	83	333030	45.054	ug/l	98
31) Cyclohexane	4.97	56	238155	44.765	ug/l	100
32) 1,1,1-Trichloroethane	4.89	97	270911	45.840	ug/l	98
36) 1,1-Dichloropropene	5.12	75	216879	43.988	ug/l	99
37) Ethyl Acetate	4.36	43	240923	41.330	ug/l	99
38) Carbon Tetrachloride	5.11	117	233147	44.288	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.40	83	232095	44.036	ug/l	97
40) Benzene	5.37	78	716225	45.020	ug/l	100
41) Methacrylonitrile	4.52	41	152362	49.069	ug/l	99
42) 1,2-Dichloroethane	5.38	62	243825	44.143	ug/l	98
43) Isopropyl Acetate	5.53	43	400447	44.036	ug/l	98
44) Trichloroethene	6.17	130	203680	46.266	ug/l	98
45) 1,2-Dichloropropane	6.41	63	212400	45.669	ug/l	99
46) Dibromomethane	6.54	93	131442	45.024	ug/l	97
47) Bromodichloromethane	6.74	83	267810	44.566	ug/l	98
48) Methyl methacrylate	6.60	41	201720	46.704	ug/l	98
49) 1,4-Dioxane	6.59	88	100451	1065.069	ug/l	97
51) 4-Methyl-2-Pentanone	7.44	43	1481956	235.432	ug/l	98
52) Toluene	7.62	92	465116	46.605	ug/l	100
53) t-1,3-Dichloropropene	7.86	75	281268	45.151	ug/l	97
54) cis-1,3-Dichloropropene	7.25	75	304915	44.598	ug/l	99
55) 1,1,2-Trichloroethane	8.04	97	204522	45.132	ug/l	99
56) Ethyl methacrylate	8.00	69	314512	45.948	ug/l	98
57) 1,3-Dichloropropane	8.22	76	338005	45.806	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.09	63	1268	17.124	ug/l #	48
59) 2-Hexanone	8.34	43	1123433	238.906	ug/l	98
60) Dibromochloromethane	8.46	129	228500	47.011	ug/l	98
61) 1,2-Dibromoethane	8.57	107	206408	46.536	ug/l	98
64) Tetrachloroethene	8.21	164	171289	44.498	ug/l	97
65) Chlorobenzene	9.10	112	546136	48.516	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.19	131	203029	47.260	ug/l	100
67) Ethyl Benzene	9.23	91	911849	49.541	ug/l	100
68) m/p-Xylenes	9.35	106	697994	100.708	ug/l	99
69) o-Xylene	9.76	106	347347	51.245	ug/l	99
70) Styrene	9.77	104	617244	51.940	ug/l	98
71) Bromoform	9.94	173	182367	48.981	ug/l #	100
73) Isopropylbenzene	10.14	105	939570	49.338	ug/l	100
74) N-amyl acetate	9.99	43	345361	45.054	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.44	83	357327	46.356	ug/l	99
76) 1,2,3-Trichloropropane	10.47	75	313296m	49.048	ug/l	
77) Bromobenzene	10.43	156	261094	49.034	ug/l	97
78) n-propylbenzene	10.57	91	1068546	48.585	ug/l	99
79) 2-Chlorotoluene	10.64	91	651036	48.514	ug/l	99
80) 1,3,5-Trimethylbenzene	10.75	105	811091	50.926	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.49	75	81990m	43.166	ug/l	
82) 4-Chlorotoluene	10.75	91	749651	48.543	ug/l	99
83) tert-Butylbenzene	11.08	119	809344	50.797	ug/l	97
84) 1,2,4-Trimethylbenzene	11.12	105	812134	50.656	ug/l	99
85) sec-Butylbenzene	11.30	105	936160	49.769	ug/l	100
86) p-Isopropyltoluene	11.45	119	864634	49.802	ug/l	99
87) 1,3-Dichlorobenzene	11.40	146	465937	47.953	ug/l	99
88) 1,4-Dichlorobenzene	11.49	146	467005	46.080	ug/l	99
89) n-Butylbenzene	11.87	91	731627	48.493	ug/l	100
90) Hexachloroethane	12.12	117	127796	46.009	ug/l	98
91) 1,2-Dichlorobenzene	11.85	146	461993	48.380	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.64	75	71414	50.417	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.48	180	321113	46.616	ug/l	100
94) Hexachlorobutadiene	13.67	225	137935	41.294	ug/l	99
95) Naphthalene	13.72	128	941187	48.396	ug/l	99
96) 1,2,3-Trichlorobenzene	13.97	180	318152	47.689	ug/l	98

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

