

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU090719\
 Data File : VU034343.D
 Acq On : 06 Sep 2019 20:03
 Operator : JC/SP
 Sample : K4722-17MSD
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GW-200-B4-47.0-52.0-090519MSD

Manual Integrations
 APPROVED

MMDadoda
 9/10/2019 1:30:24 PM

Quant Time: Sep 07 04:42:54 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	326648	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	474850	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	467754	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	304073	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.29	65	223390	45.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.40%	
35) Dibromofluoromethane	4.86	113	202410	45.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.62%	
50) Toluene-d8	7.54	98	786030	47.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.70%	
62) 4-Bromofluorobenzene	10.29	95	298176	46.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	146556	42.900	ug/l	99
3) Chloromethane	1.32	50	167583	45.397	ug/l	97
4) Vinyl Chloride	1.40	62	179325	42.124	ug/l	99
5) Bromomethane	1.61	94	112626	52.326	ug/l	100
6) Chloroethane	1.69	64	115138	46.463	ug/l	99
7) Trichlorofluoromethane	1.87	101	249632	43.734	ug/l	100
8) Diethyl Ether	2.09	74	115662	46.066	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.27	101	165139	43.681	ug/l	100
10) Methyl Iodide	2.40	142	161347	46.906	ug/l	99
11) Tert butyl alcohol	2.81	59	272928	261.394	ug/l	99
12) 1,1-Dichloroethene	2.27	96	160587	45.185	ug/l	96
13) Acrolein	2.18	56	131019	149.297	ug/l	100
14) Allyl chloride	2.58	41	299273m	44.047	ug/l	
15) Acrylonitrile	2.92	53	618929	238.039	ug/l	98
16) Acetone	2.31	43	486773	190.324	ug/l	98
17) Carbon Disulfide	2.46	76	322171	40.334	ug/l	99
18) Methyl Acetate	2.60	43	258959	41.611	ug/l	97
19) Methyl tert-butyl Ether	2.98	73	628997	48.557	ug/l	100
20) Methylene Chloride	2.69	84	199692	47.650	ug/l	97
21) trans-1,2-Dichloroethene	2.97	96	214394	57.246	ug/l	98
22) Diisopropyl ether	3.55	45	630452	47.581	ug/l	97
23) Vinyl Acetate	3.50	43	2523410	233.799	ug/l	99
24) 1,1-Dichloroethane	3.43	63	354845	44.844	ug/l	100
25) 2-Butanone	4.24	43	804005	235.498	ug/l	100
26) 2,2-Dichloropropane	4.20	77	253787	39.877	ug/l	91
27) cis-1,2-Dichloroethene	4.20	96	407763	89.646	ug/l	92
28) Bromochloromethane	4.52	49	170135	46.745	ug/l	98
29) Tetrahydrofuran	4.61	42	508425	244.731	ug/l	98
30) Chloroform	4.65	83	362507	45.070	ug/l	99
31) Cyclohexane	4.97	56	259570	44.839	ug/l	99
32) 1,1,1-Trichloroethane	4.89	97	289644	45.041	ug/l	98
36) 1,1-Dichloropropene	5.12	75	235889	45.805	ug/l	99
37) Ethyl Acetate	4.36	43	277247	45.534	ug/l	99
38) Carbon Tetrachloride	5.11	117	242317	44.069	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.40	83	254736	46.273	ug/l	98
40) Benzene	5.37	78	770315	46.357	ug/l	99
41) Methacrylonitrile	4.52	41	164132	50.608	ug/l	99
42) 1,2-Dichloroethane	5.38	62	256723	44.498	ug/l	99
43) Isopropyl Acetate	5.53	43	446141	46.970	ug/l	98
44) Trichloroethene	6.16	130	1016989	221.166	ug/l	99
45) 1,2-Dichloropropane	6.41	63	222405	45.782	ug/l	98
46) Dibromomethane	6.54	93	139846	45.861	ug/l	98
47) Bromodichloromethane	6.74	83	281917	44.914	ug/l	99
48) Methyl methacrylate	6.60	41	216635	48.020	ug/l	99
49) 1,4-Dioxane	6.59	88	107755	1093.836	ug/l	98
51) 4-Methyl-2-Pentanone	7.44	43	1564624	237.975	ug/l	99
52) Toluene	7.62	92	491646	47.165	ug/l	100
53) t-1,3-Dichloropropene	7.86	75	303036	46.573	ug/l	100
54) cis-1,3-Dichloropropene	7.25	75	330258	46.247	ug/l	100
55) 1,1,2-Trichloroethane	8.05	97	216391	45.717	ug/l	99
56) Ethyl methacrylate	8.00	69	328668	45.968	ug/l	100
57) 1,3-Dichloropropane	8.22	76	355794	46.162	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.08	63	958	16.983	ug/l #	48
59) 2-Hexanone	8.34	43	1197969	243.902	ug/l	99
60) Dibromochloromethane	8.46	129	241545	47.577	ug/l	99
61) 1,2-Dibromoethane	8.57	107	217385	46.923	ug/l	100
64) Tetrachloroethene	8.21	164	185581	45.732	ug/l	98
65) Chlorobenzene	9.10	112	575623	48.506	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.19	131	210843	46.555	ug/l	98
67) Ethyl Benzene	9.23	91	969308	49.955	ug/l	100
68) m/p-Xylenes	9.35	106	745584	102.043	ug/l	99
69) o-Xylene	9.76	106	373285	52.240	ug/l	99
70) Styrene	9.77	104	661209	52.778	ug/l	98
71) Bromoform	9.94	173	186476	47.509	ug/l #	100
73) Isopropylbenzene	10.14	105	998965	50.482	ug/l	99
74) N-amyl acetate	9.99	43	406712	51.060	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.44	83	373072	46.577	ug/l	100
76) 1,2,3-Trichloropropane	10.47	75	310338m	46.756	ug/l	
77) Bromobenzene	10.43	156	274337	49.581	ug/l	97
78) n-propylbenzene	10.57	91	1149076	50.280	ug/l	100
79) 2-Chlorotoluene	10.64	91	691330	49.578	ug/l	100
80) 1,3,5-Trimethylbenzene	10.75	105	860562	51.998	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.49	75	91525m	46.373	ug/l	
82) 4-Chlorotoluene	10.75	91	800577	49.889	ug/l	99
83) tert-Butylbenzene	11.08	119	850012	51.341	ug/l	99
84) 1,2,4-Trimethylbenzene	11.12	105	867080	52.048	ug/l	100
85) sec-Butylbenzene	11.30	105	1007537	51.548	ug/l	100
86) p-Isopropyltoluene	11.45	119	932824	51.708	ug/l	99
87) 1,3-Dichlorobenzene	11.40	146	496095	49.135	ug/l	99
88) 1,4-Dichlorobenzene	11.49	146	495243	47.027	ug/l	99
89) n-Butylbenzene	11.87	91	823496	52.527	ug/l	99
90) Hexachloroethane	12.12	117	135181	46.836	ug/l	98
91) 1,2-Dichlorobenzene	11.86	146	487909	49.170	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.64	75	76482	51.962	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.48	180	353902	49.233	ug/l	100
94) Hexachlorobutadiene	13.67	225	156470	45.080	ug/l	99
95) Naphthalene	13.72	128	1112471	54.506	ug/l	99
96) 1,2,3-Trichlorobenzene	13.97	180	345976	49.785	ug/l	99

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

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