

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU090719\
 Data File : VU034342.D
 Acq On : 06 Sep 2019 19:40
 Operator : JC/SP
 Sample : K4722-16MS
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 29 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

MMDadoda
 9/10/2019 10:48:54 AM

Quant Time: Sep 07 04:44:59 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	307760	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	457211	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	450869	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	293581	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.29	65	231119	49.63	ug/l	0.00
Spiked Amount			Recovery	=	99.26%	
35) Dibromofluoromethane	4.86	113	206605	48.56	ug/l	0.00
Spiked Amount			Recovery	=	97.12%	
50) Toluene-d8	7.55	98	812914	50.86	ug/l	0.00
Spiked Amount			Recovery	=	101.72%	
62) 4-Bromofluorobenzene	10.29	95	308509	49.99	ug/l	0.00
Spiked Amount			Recovery	=	99.98%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	142169	44.169	ug/l	100
3) Chloromethane	1.32	50	168404	48.425	ug/l	99
4) Vinyl Chloride	1.40	62	182143	45.412	ug/l	99
5) Bromomethane	1.61	94	109339	54.058	ug/l	100
6) Chloroethane	1.69	64	116174	49.830	ug/l	97
7) Trichlorofluoromethane	1.87	101	247285	45.981	ug/l	98
8) Diethyl Ether	2.09	74	115485	48.819	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.27	101	158944	44.623	ug/l	99
10) Methyl Iodide	2.40	142	153413	47.301	ug/l	100
11) Tert butyl alcohol	2.81	59	278278	282.875	ug/l	100
12) 1,1-Dichloroethene	2.27	96	161717	48.296	ug/l	96
13) Acrolein	2.18	56	132701	160.494	ug/l	100
14) Allyl chloride	2.58	41	302846m	47.308	ug/l	
15) Acrylonitrile	2.92	53	637530	260.241	ug/l	99
16) Acetone	2.31	43	525551	218.097	ug/l	98
17) Carbon Disulfide	2.47	76	324521	43.122	ug/l	100
18) Methyl Acetate	2.60	43	266510	45.453	ug/l	98
19) Methyl tert-butyl Ether	2.98	73	635539	52.073	ug/l	98
20) Methylene Chloride	2.68	84	203262	51.511	ug/l	99
21) trans-1,2-Dichloroethene	2.97	96	216893	61.467	ug/l	96
22) Diisopropyl ether	3.55	45	641035	51.348	ug/l	98
23) Vinyl Acetate	3.50	43	2563691	252.108	ug/l	99
24) 1,1-Dichloroethane	3.43	63	357595	47.965	ug/l	100
25) 2-Butanone	4.24	43	824646	256.368	ug/l	100
26) 2,2-Dichloropropane	4.20	77	260679	43.474	ug/l	92
27) cis-1,2-Dichloroethene	4.20	96	411684	96.062	ug/l	92
28) Bromochloromethane	4.52	49	177182	51.669	ug/l	98
29) Tetrahydrofuran	4.61	42	523538	267.472	ug/l	99
30) Chloroform	4.65	83	368026	48.564	ug/l	99
31) Cyclohexane	4.97	56	250460	45.920	ug/l	98
32) 1,1,1-Trichloroethane	4.89	97	290658	47.972	ug/l	99
36) 1,1-Dichloropropene	5.12	75	234939	47.381	ug/l	99
37) Ethyl Acetate	4.36	43	281456	48.009	ug/l	99
38) Carbon Tetrachloride	5.11	117	245791	46.425	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.40	83	248161	46.817	ug/l	97
40) Benzene	5.37	78	780040	48.753	ug/l	99
41) Methacrylonitrile	4.52	41	162686	52.097	ug/l	98
42) 1,2-Dichloroethane	5.38	62	263421	47.420	ug/l	99
43) Isopropyl Acetate	5.53	43	458408	50.124	ug/l	98
44) Trichloroethene	6.16	130	1017642	229.846	ug/l	100
45) 1,2-Dichloropropane	6.41	63	224889	48.080	ug/l	97
46) Dibromomethane	6.54	93	141873	48.321	ug/l	98
47) Bromodichloromethane	6.74	83	287122	47.508	ug/l	100
48) Methyl methacrylate	6.60	41	221253	50.936	ug/l	99
49) 1,4-Dioxane	6.59	88	108588	1144.817	ug/l	98
51) 4-Methyl-2-Pentanone	7.44	43	1600252	252.784	ug/l	99
52) Toluene	7.62	92	500203	49.837	ug/l	100
53) t-1,3-Dichloropropene	7.86	75	312225	49.837	ug/l	98
54) cis-1,3-Dichloropropene	7.25	75	335071	48.731	ug/l	99
55) 1,1,2-Trichloroethane	8.04	97	221669	48.639	ug/l	100
56) Ethyl methacrylate	8.00	69	334459	48.408	ug/l	98
57) 1,3-Dichloropropane	8.22	76	360802	48.618	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.08	63	817	16.941	ug/l #	48
59) 2-Hexanone	8.34	43	1220884	258.157	ug/l	99
60) Dibromochloromethane	8.46	129	241151	49.332	ug/l	98
61) 1,2-Dibromoethane	8.57	107	220895	49.520	ug/l	99
64) Tetrachloroethene	8.21	164	187201	47.859	ug/l	98
65) Chlorobenzene	9.10	112	578182	50.546	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.19	131	214180	49.063	ug/l	100
67) Ethyl Benzene	9.23	91	974086	52.082	ug/l	100
68) m/p-Xylenes	9.35	106	747284	106.106	ug/l	100
69) o-Xylene	9.76	106	377139	54.756	ug/l	98
70) Styrene	9.77	104	663549	54.949	ug/l	99
71) Bromoform	9.94	173	188250	49.758	ug/l #	98
73) Isopropylbenzene	10.14	105	1008326	52.777	ug/l	99
74) N-amyl acetate	9.99	43	406089	52.804	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.44	83	380383	49.187	ug/l	99
76) 1,2,3-Trichloropropane	10.47	75	319412m	49.843	ug/l	
77) Bromobenzene	10.43	156	276547	51.767	ug/l	97
78) n-propylbenzene	10.57	91	1159836	52.564	ug/l	100
79) 2-Chlorotoluene	10.64	91	698851	51.908	ug/l	100
80) 1,3,5-Trimethylbenzene	10.75	105	859978	53.820	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.49	75	93656m	49.148	ug/l	
82) 4-Chlorotoluene	10.75	91	803270	51.846	ug/l	99
83) tert-Butylbenzene	11.08	119	858013	53.677	ug/l	99
84) 1,2,4-Trimethylbenzene	11.13	105	875697	54.444	ug/l	100
85) sec-Butylbenzene	11.30	105	1002817	53.140	ug/l	99
86) p-Isopropyltoluene	11.45	119	932271	53.524	ug/l	99
87) 1,3-Dichlorobenzene	11.40	146	497206	51.005	ug/l	100
88) 1,4-Dichlorobenzene	11.49	146	499532	49.129	ug/l	100
89) n-Butylbenzene	11.87	91	811965	53.643	ug/l	99
90) Hexachloroethane	12.12	117	134504	48.267	ug/l	99
91) 1,2-Dichlorobenzene	11.86	146	495380	51.707	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.64	75	77193	54.320	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	346078	49.821	ug/l	100
94) Hexachlorobutadiene	13.67	225	155337	46.353	ug/l	99
95) Naphthalene	13.72	128	1297233	65.006	ug/l	99
96) 1,2,3-Trichlorobenzene	13.97	180	342035	50.914	ug/l	98

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

