

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU090919\
 Data File : VU034429.D
 Acq On : 09 Sep 2019 13:36
 Operator : JC/SP
 Sample : VU0909WBSD01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0909WBSD01

Manual Integrations
 APPROVED

MMDadoda
 9/10/2019 4:17:28 PM

Quant Time: Sep 10 06:30:13 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	281304	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	403767	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	400575	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	269447	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.29	65	209521	49.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.46%	
35) Dibromofluoromethane	4.86	113	189414	50.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.84%	
50) Toluene-d8	7.54	98	720329	51.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.06%	
62) 4-Bromofluorobenzene	10.29	95	263709	48.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	52098	17.708	ug/l	98
3) Chloromethane	1.32	50	61118	19.176	ug/l	99
4) Vinyl Chloride	1.40	62	65081	17.752	ug/l	99
5) Bromomethane	1.62	94	42513	20.323	ug/l	99
6) Chloroethane	1.69	64	43344	19.735	ug/l	98
7) Trichlorofluoromethane	1.88	101	94622	19.249	ug/l	99
8) Diethyl Ether	2.10	74	41490	19.189	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.28	101	61422	18.866	ug/l	97
10) Methyl Iodide	2.40	142	38284	15.710	ug/l	99
11) Tert butyl alcohol	2.81	59	85161	94.709	ug/l	98
12) 1,1-Dichloroethene	2.27	96	58537	19.126	ug/l	99
13) Acrolein	2.19	56	56406	74.635	ug/l	100
14) Allyl chloride	2.58	41	104451m	17.851	ug/l	
15) Acrylonitrile	2.92	53	220474	98.462	ug/l	99
16) Acetone	2.31	43	177147	80.428	ug/l	97
17) Carbon Disulfide	2.47	76	115314	16.764	ug/l	99
18) Methyl Acetate	2.60	43	100391	18.732	ug/l	97
19) Methyl tert-butyl Ether	2.98	73	216696	19.425	ug/l	100
20) Methylene Chloride	2.69	84	76012	20.837	ug/l	96
21) trans-1,2-Dichloroethene	2.97	96	59914	18.576	ug/l	96
22) Diisopropyl ether	3.55	45	224767	19.698	ug/l	92
23) Vinyl Acetate	3.51	43	878870	94.555	ug/l	98
24) 1,1-Dichloroethane	3.43	63	130761	19.189	ug/l	99
25) 2-Butanone	4.24	43	276011	93.877	ug/l	99
26) 2,2-Dichloropropane	4.20	77	98238	17.924	ug/l	99
27) cis-1,2-Dichloroethene	4.21	96	77691	19.833	ug/l	96
28) Bromochloromethane	4.53	49	52302	16.687	ug/l	97
29) Tetrahydrofuran	4.62	42	174640	97.614	ug/l	100
30) Chloroform	4.65	83	137739	19.885	ug/l	99
31) Cyclohexane	4.97	56	89805	18.014	ug/l	96
32) 1,1,1-Trichloroethane	4.89	97	109766	19.820	ug/l	99
36) 1,1-Dichloropropene	5.12	75	83211	19.003	ug/l	99
37) Ethyl Acetate	4.36	43	96926	18.721	ug/l	99
38) Carbon Tetrachloride	5.11	117	92182	19.716	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.40	83	83464	17.830	ug/l	98
40) Benzene	5.37	78	282999	20.029	ug/l	100
41) Methacrylonitrile	4.52	41	53647	19.453	ug/l	97
42) 1,2-Dichloroethane	5.39	62	97849	19.946	ug/l	99
43) Isopropyl Acetate	5.53	43	152460	18.877	ug/l	99
44) Trichloroethene	6.17	130	76786	19.639	ug/l	96
45) 1,2-Dichloropropane	6.41	63	82490	19.970	ug/l	97
46) Dibromomethane	6.54	93	52953	20.423	ug/l	99
47) Bromodichloromethane	6.74	83	106467	19.948	ug/l	98
48) Methyl methacrylate	6.60	41	70343	18.338	ug/l	99
49) 1,4-Dioxane	6.59	88	34079	406.843	ug/l	96
51) 4-Methyl-2-Pentanone	7.44	43	540521	96.685	ug/l	100
52) Toluene	7.62	92	179869	20.293	ug/l	100
53) t-1,3-Dichloropropene	7.86	75	103607	18.727	ug/l	99
54) cis-1,3-Dichloropropene	7.25	75	116687	19.216	ug/l	99
55) 1,1,2-Trichloroethane	8.04	97	80301	19.952	ug/l	98
56) Ethyl methacrylate	8.00	69	103605	18.978	ug/l	99
57) 1,3-Dichloropropane	8.22	76	127795	19.500	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.11	63	166472	91.737	ug/l	100
59) 2-Hexanone	8.34	43	400520	95.900	ug/l	100
60) Dibromochloromethane	8.46	129	87869	20.355	ug/l	100
61) 1,2-Dibromoethane	8.57	107	78931	20.037	ug/l	98
64) Tetrachloroethene	8.21	164	69503	20.000	ug/l	98
65) Chlorobenzene	9.10	112	205342	20.205	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.19	131	78891	20.341	ug/l	99
67) Ethyl Benzene	9.23	91	324428	19.524	ug/l	100
68) m/p-Xylenes	9.35	106	258133	41.254	ug/l	98
69) o-Xylene	9.76	106	122892	20.083	ug/l	98
70) Styrene	9.77	104	223308	20.814	ug/l	99
71) Bromoform	9.94	173	68161	20.278	ug/l #	99
73) Isopropylbenzene	10.14	105	341943	19.501	ug/l	100
74) N-amyl acetate	9.99	43	130608	18.504	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.43	83	139252	19.619	ug/l	99
76) 1,2,3-Trichloropropane	10.47	75	116579m	19.821	ug/l	
77) Bromobenzene	10.43	156	98698	20.130	ug/l	96
78) n-propylbenzene	10.57	91	393230	19.418	ug/l	99
79) 2-Chlorotoluene	10.64	91	243057	19.670	ug/l	98
80) 1,3,5-Trimethylbenzene	10.75	105	299793	20.443	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.49	75	36380m	20.801	ug/l	
82) 4-Chlorotoluene	10.75	91	281949	19.828	ug/l	98
83) tert-Butylbenzene	11.08	119	285442	19.456	ug/l	99
84) 1,2,4-Trimethylbenzene	11.13	105	294529	19.952	ug/l	99
85) sec-Butylbenzene	11.30	105	343919	19.857	ug/l	100
86) p-Isopropyltoluene	11.45	119	317486	19.860	ug/l	99
87) 1,3-Dichlorobenzene	11.40	146	178212	19.919	ug/l	100
88) 1,4-Dichlorobenzene	11.49	146	182173	19.522	ug/l	99
89) n-Butylbenzene	11.87	91	256427	18.458	ug/l	100
90) Hexachloroethane	12.12	117	48277	18.876	ug/l	99
91) 1,2-Dichlorobenzene	11.85	146	177617	20.200	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.64	75	26596	20.392	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.48	180	103472	18.557	ug/l	100
94) Hexachlorobutadiene	13.67	225	56192	18.270	ug/l	99
95) Naphthalene	13.72	128	270388	17.828	ug/l	99
96) 1,2,3-Trichlorobenzene	13.97	180	106096	18.954	ug/l	99

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

