

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU090619\
 Data File : VU034289.D
 Acq On : 05 Sep 2019 17:28
 Operator : JC/SP
 Sample : VU0906WBS02
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0906WBS02

Manual Integrations
 APPROVED

MMDadoda
 9/6/2019 3:22:12 PM

Quant Time: Sep 06 08:15:41 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	322415	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	482411	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	469851	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	306628	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.29	65	247161	50.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.34%	
35) Dibromofluoromethane	4.86	113	214289	47.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.48%	
50) Toluene-d8	7.55	98	849559	50.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.74%	
62) 4-Bromofluorobenzene	10.29	95	313216	48.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	61460	18.227	ug/l	97
3) Chloromethane	1.32	50	73735	20.189	ug/l	99
4) Vinyl Chloride	1.40	62	77513	18.447	ug/l	98
5) Bromomethane	1.62	94	46887	19.381	ug/l	99
6) Chloroethane	1.69	64	48788	19.363	ug/l	97
7) Trichlorofluoromethane	1.88	101	105985	18.812	ug/l	98
8) Diethyl Ether	2.09	74	47189	19.041	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.28	101	70192	18.810	ug/l	100
10) Methyl Iodide	2.40	142	38442	14.240	ug/l	97
11) Tert butyl alcohol	2.81	59	99643	96.685	ug/l	100
12) 1,1-Dichloroethene	2.27	96	67517	19.247	ug/l	95
13) Acrolein	2.18	56	68381	78.943	ug/l	98
14) Allyl chloride	2.58	41	126615m	18.880	ug/l	
15) Acrylonitrile	2.92	53	259031	100.931	ug/l	98
16) Acetone	2.31	43	222233	88.032	ug/l	100
17) Carbon Disulfide	2.47	76	138779	17.603	ug/l	100
18) Methyl Acetate	2.60	43	116129	18.905	ug/l	100
19) Methyl tert-butyl Ether	2.98	73	255869	20.012	ug/l	100
20) Methylene Chloride	2.69	84	85935	20.548	ug/l	99
21) trans-1,2-Dichloroethene	2.97	96	70227	18.998	ug/l	99
22) Diisopropyl ether	3.55	45	265744	20.319	ug/l	94
23) Vinyl Acetate	3.50	43	1080512	101.426	ug/l	100
24) 1,1-Dichloroethane	3.43	63	148472	19.010	ug/l	99
25) 2-Butanone	4.24	43	338754	100.526	ug/l	99
26) 2,2-Dichloropropane	4.20	77	118313	18.835	ug/l	100
27) cis-1,2-Dichloroethene	4.21	96	89308	19.892	ug/l	98
28) Bromochloromethane	4.52	49	68756	19.139	ug/l	99
29) Tetrahydrofuran	4.62	42	212330	103.547	ug/l	99
30) Chloroform	4.65	83	151132	19.037	ug/l	96
31) Cyclohexane	4.97	56	110855	19.401	ug/l	97
32) 1,1,1-Trichloroethane	4.89	97	122597	19.315	ug/l	99
36) 1,1-Dichloropropene	5.12	75	97529	18.642	ug/l	99
37) Ethyl Acetate	4.36	43	120325	19.452	ug/l	99
38) Carbon Tetrachloride	5.11	117	101569	18.182	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.40	83	106481	19.039	ug/l	98
40) Benzene	5.37	78	321057	19.018	ug/l	99
41) Methacrylonitrile	4.52	41	65150	19.773	ug/l	97
42) 1,2-Dichloroethane	5.38	62	110301	18.819	ug/l	99
43) Isopropyl Acetate	5.53	43	187090	19.388	ug/l	99
44) Trichloroethene	6.17	130	88437	18.931	ug/l	99
45) 1,2-Dichloropropane	6.41	63	93843	19.015	ug/l	96
46) Dibromomethane	6.54	93	57836	18.670	ug/l	99
47) Bromodichloromethane	6.74	83	116568	18.280	ug/l	99
48) Methyl methacrylate	6.60	41	85318	18.616	ug/l	98
49) 1,4-Dioxane	6.59	88	37663	376.330	ug/l	99
51) 4-Methyl-2-Pentanone	7.44	43	651405	97.524	ug/l	100
52) Toluene	7.62	92	202579	19.129	ug/l	100
53) t-1,3-Dichloropropene	7.86	75	123504	18.684	ug/l	100
54) cis-1,3-Dichloropropene	7.25	75	138393	19.076	ug/l	98
55) 1,1,2-Trichloroethane	8.05	97	90303	18.779	ug/l	97
56) Ethyl methacrylate	8.00	69	125723	19.226	ug/l	99
57) 1,3-Dichloropropane	8.22	76	148776	19.000	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.11	63	209535	95.755	ug/l	98
59) 2-Hexanone	8.34	43	488188	97.836	ug/l	99
60) Dibromochloromethane	8.46	129	96917	18.791	ug/l	99
61) 1,2-Dibromoethane	8.57	107	89990	19.120	ug/l	99
64) Tetrachloroethene	8.21	164	77391	18.986	ug/l	99
65) Chlorobenzene	9.10	112	231049	19.383	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.19	131	85017	18.688	ug/l	98
67) Ethyl Benzene	9.23	91	386136	19.812	ug/l	99
68) m/p-Xylenes	9.36	106	295830	40.307	ug/l	100
69) o-Xylene	9.76	106	144318	20.107	ug/l	100
70) Styrene	9.77	104	255081	20.270	ug/l	99
71) Bromoform	9.94	173	74806	18.974	ug/l #	100
73) Isopropylbenzene	10.15	105	396126	19.851	ug/l	99
74) N-amyl acetate	10.00	43	158894	19.782	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.44	83	151654	18.776	ug/l	99
76) 1,2,3-Trichloropropane	10.47	75	123028m	18.381	ug/l	
77) Bromobenzene	10.43	156	107777	19.316	ug/l	99
78) n-propylbenzene	10.57	91	457698	19.861	ug/l	100
79) 2-Chlorotoluene	10.64	91	276838	19.688	ug/l	99
80) 1,3,5-Trimethylbenzene	10.75	105	342458	20.520	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.49	75	41440m	20.821	ug/l	
82) 4-Chlorotoluene	10.75	91	322012	19.900	ug/l	99
83) tert-Butylbenzene	11.08	119	328502	19.676	ug/l	99
84) 1,2,4-Trimethylbenzene	11.13	105	342400	20.382	ug/l	99
85) sec-Butylbenzene	11.31	105	399308	20.259	ug/l	100
86) p-Isopropyltoluene	11.46	119	369242	20.297	ug/l	99
87) 1,3-Dichlorobenzene	11.40	146	195580	19.209	ug/l	99
88) 1,4-Dichlorobenzene	11.49	146	196506	18.504	ug/l	98
89) n-Butylbenzene	11.87	91	315262	19.942	ug/l	99
90) Hexachloroethane	12.12	117	52254	17.954	ug/l	97
91) 1,2-Dichlorobenzene	11.86	146	188287	18.817	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.64	75	28664	19.312	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.49	180	124707	19.450	ug/l	99
94) Hexachlorobutadiene	13.67	225	65851	18.814	ug/l	97
95) Naphthalene	13.73	128	333575	18.994	ug/l	99
96) 1,2,3-Trichlorobenzene	13.97	180	124141	19.414	ug/l	97

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

