

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU090919\
 Data File : VU034425.D
 Acq On : 09 Sep 2019 12:03
 Operator : JC/SP
 Sample : VU0909WBS01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 Client Sample ID :
 VU0909WBS01

Manual Integrations
 APPROVED

MMDadoda
 9/10/2019 4:17:24 PM

Quant Time: Sep 10 06:18:25 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	277166	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.87	114	395162	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	393868	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	264032	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.29	65	207854	49.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.12%	
35) Dibromofluoromethane	4.86	113	189101	51.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.86%	
50) Toluene-d8	7.54	98	729068	52.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.56%	
62) 4-Bromofluorobenzene	10.29	95	263460	49.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	52339	18.056	ug/l	98
3) Chloromethane	1.32	50	61322	19.529	ug/l	97
4) Vinyl Chloride	1.40	62	64445	17.841	ug/l	99
5) Bromomethane	1.62	94	41860	20.307	ug/l	100
6) Chloroethane	1.69	64	42389	19.581	ug/l	97
7) Trichlorofluoromethane	1.88	101	93705	19.347	ug/l	98
8) Diethyl Ether	2.10	74	41393	19.429	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.28	101	62388	19.448	ug/l	98
10) Methyl Iodide	2.40	142	35130	14.895	ug/l	98
11) Tert butyl alcohol	2.81	59	81205	91.658	ug/l	99
12) 1,1-Dichloroethene	2.27	96	58529	19.409	ug/l	99
13) Acrolein	2.19	56	56729	76.183	ug/l	100
14) Allyl chloride	2.58	41	104005m	18.040	ug/l	
15) Acrylonitrile	2.92	53	217818	98.728	ug/l	97
16) Acetone	2.31	43	185928	85.675	ug/l	98
17) Carbon Disulfide	2.47	76	116984	17.260	ug/l	99
18) Methyl Acetate	2.60	43	98744	18.699	ug/l	98
19) Methyl tert-butyl Ether	2.98	73	216634	19.709	ug/l	99
20) Methylene Chloride	2.69	84	74137	20.622	ug/l	100
21) trans-1,2-Dichloroethene	2.97	96	59682	18.781	ug/l	96
22) Diisopropyl ether	3.55	45	221178	19.672	ug/l	92
23) Vinyl Acetate	3.51	43	867768	94.754	ug/l	98
24) 1,1-Dichloroethane	3.43	63	129869	19.342	ug/l	99
25) 2-Butanone	4.24	43	273737	94.493	ug/l	99
26) 2,2-Dichloropropane	4.21	77	102504	18.982	ug/l	100
27) cis-1,2-Dichloroethene	4.21	96	76162	19.733	ug/l	97
28) Bromochloromethane	4.53	49	59898	19.395	ug/l	94
29) Tetrahydrofuran	4.62	42	172358	97.776	ug/l	98
30) Chloroform	4.65	83	133498	19.561	ug/l	100
31) Cyclohexane	4.97	56	89636	18.248	ug/l	98
32) 1,1,1-Trichloroethane	4.89	97	108753	19.931	ug/l	99
36) 1,1-Dichloropropene	5.12	75	80624	18.813	ug/l	99
37) Ethyl Acetate	4.36	43	98331	19.406	ug/l	99
38) Carbon Tetrachloride	5.11	117	91965	20.098	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.40	83	81867	17.870	ug/l	98
40) Benzene	5.37	78	274921	19.881	ug/l	99
41) Methacrylonitrile	4.52	41	53450	19.804	ug/l	97
42) 1,2-Dichloroethane	5.39	62	96481	20.095	ug/l	99
43) Isopropyl Acetate	5.53	43	149707	18.940	ug/l	97
44) Trichloroethene	6.17	130	77201	20.175	ug/l	99
45) 1,2-Dichloropropane	6.41	63	81094	20.060	ug/l	96
46) Dibromomethane	6.54	93	52336	20.624	ug/l	98
47) Bromodichloromethane	6.74	83	104291	19.966	ug/l	98
48) Methyl methacrylate	6.60	41	68462	18.236	ug/l	97
49) 1,4-Dioxane	6.59	88	31622	385.732	ug/l	98
51) 4-Methyl-2-Pentanone	7.44	43	534825	97.750	ug/l	99
52) Toluene	7.62	92	177641	20.478	ug/l	99
53) t-1,3-Dichloropropene	7.86	75	103226	19.064	ug/l	99
54) cis-1,3-Dichloropropene	7.25	75	117006	19.689	ug/l	99
55) 1,1,2-Trichloroethane	8.04	97	78969	20.048	ug/l	99
56) Ethyl methacrylate	8.00	69	101043	18.922	ug/l	99
57) 1,3-Dichloropropane	8.22	76	128092	19.971	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.11	63	152509	86.935	ug/l	99
59) 2-Hexanone	8.34	43	394491	96.514	ug/l	99
60) Dibromochloromethane	8.46	129	86591	20.495	ug/l	97
61) 1,2-Dibromoethane	8.57	107	79358	20.584	ug/l	99
64) Tetrachloroethene	8.21	164	67145	19.650	ug/l	99
65) Chlorobenzene	9.10	112	202155	20.230	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.19	131	77604	20.350	ug/l	99
67) Ethyl Benzene	9.23	91	318368	19.486	ug/l	99
68) m/p-Xylenes	9.35	106	252321	41.012	ug/l	100
69) o-Xylene	9.76	106	123057	20.452	ug/l	97
70) Styrene	9.77	104	221124	20.961	ug/l	99
71) Bromoform	9.94	173	66999	20.272	ug/l #	100
73) Isopropylbenzene	10.14	105	334414	19.462	ug/l	100
74) N-amyl acetate	9.99	43	126719	18.321	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.43	83	137963	19.836	ug/l	100
76) 1,2,3-Trichloropropane	10.47	75	110147m	19.112	ug/l	
77) Bromobenzene	10.43	156	95492	19.876	ug/l	98
78) n-propylbenzene	10.57	91	388611	19.583	ug/l	100
79) 2-Chlorotoluene	10.64	91	241014	19.905	ug/l	99
80) 1,3,5-Trimethylbenzene	10.75	105	297773	20.721	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.49	75	35886m	20.940	ug/l	
82) 4-Chlorotoluene	10.75	91	282706	20.289	ug/l	99
83) tert-Butylbenzene	11.08	119	280547	19.515	ug/l	100
84) 1,2,4-Trimethylbenzene	11.12	105	290833	20.105	ug/l	98
85) sec-Butylbenzene	11.30	105	337773	19.902	ug/l	99
86) p-Isopropyltoluene	11.45	119	313197	19.994	ug/l	100
87) 1,3-Dichlorobenzene	11.40	146	176687	20.153	ug/l	100
88) 1,4-Dichlorobenzene	11.49	146	181151	19.810	ug/l	99
89) n-Butylbenzene	11.87	91	257030	18.881	ug/l	98
90) Hexachloroethane	12.12	117	48516	19.359	ug/l	97
91) 1,2-Dichlorobenzene	11.85	146	174858	20.294	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.64	75	24892	19.476	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	102264	18.687	ug/l	99
94) Hexachlorobutadiene	13.67	225	56199	18.647	ug/l	99
95) Naphthalene	13.72	128	270292	18.108	ug/l	99
96) 1,2,3-Trichlorobenzene	13.97	180	106317	19.324	ug/l	99

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

