

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU083119\
 Data File : VU034090.D
 Acq On : 30 Aug 2019 12:02
 Operator : JC/SP
 Sample : VU0831WBS01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 Client Sampled :
 VU0831WBS01

Manual Integrations
 APPROVED

MMDadoda
 8/31/2019 11:24:35 AM

Quant Time: Aug 30 15:28:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U082919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 29 04:11:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.96	168	428114	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	695833	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	666952	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.47	152	358566	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.29	65	244041	44.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.98%	
35) Dibromofluoromethane	4.86	113	208755	43.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.50%	
50) Toluene-d8	7.55	98	806368	44.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.24%	
62) 4-Bromofluorobenzene	10.29	95	300759	42.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	84370	19.595	ug/l	99
3) Chloromethane	1.32	50	103575	16.617	ug/l	99
4) Vinyl Chloride	1.40	62	108897	19.003	ug/l	100
5) Bromomethane	1.62	94	48490	13.317	ug/l	95
6) Chloroethane	1.69	64	65736	18.763	ug/l	99
7) Trichlorofluoromethane	1.88	101	129092	19.442	ug/l	98
8) Diethyl Ether	2.09	74	56264	19.808	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.28	101	81410	19.354	ug/l	98
10) Methyl Iodide	2.40	142	41156	6.897	ug/l	100
11) Tert butyl alcohol	2.81	59	108533	85.796	ug/l	100
12) 1,1-Dichloroethene	2.27	96	84709	19.765	ug/l	98
13) Acrolein	2.18	56	38375	72.112	ug/l	100
14) Allyl chloride	2.58	41	139849	17.355	ug/l	94
15) Acrylonitrile	2.92	53	282256	97.236	ug/l	100
16) Acetone	2.31	43	253616	90.610	ug/l	97
17) Carbon Disulfide	2.47	76	243977	17.986	ug/l	99
18) Methyl Acetate	2.60	43	131766	18.217	ug/l	99
19) Methyl tert-butyl Ether	2.98	73	284783	20.280	ug/l	99
20) Methylene Chloride	2.69	84	98752	18.637	ug/l	98
21) trans-1,2-Dichloroethene	2.97	96	90925	19.548	ug/l	99
22) Diisopropyl ether	3.55	45	301562	20.423	ug/l	95
23) Vinyl Acetate	3.50	43	1250664	98.599	ug/l	100
24) 1,1-Dichloroethane	3.43	63	174253	19.989	ug/l	99
25) 2-Butanone	4.24	43	378592	97.221	ug/l	100
26) 2,2-Dichloropropane	4.20	77	136699	19.271	ug/l	100
27) cis-1,2-Dichloroethene	4.20	96	102946	19.718	ug/l	98
28) Bromochloromethane	4.52	49	78671	18.317	ug/l	98
29) Tetrahydrofuran	4.61	42	243220	101.278	ug/l	98
30) Chloroform	4.65	83	168866	19.415	ug/l	99
31) Cyclohexane	4.97	56	154186	18.823	ug/l	94
32) 1,1,1-Trichloroethane	4.89	97	141795	19.905	ug/l	98
36) 1,1-Dichloropropene	5.12	75	122392	18.596	ug/l	100
37) Ethyl Acetate	4.36	43	138097	18.737	ug/l	99
38) Carbon Tetrachloride	5.11	117	119616	18.828	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.40	83	143031	18.438	ug/l	97
40) Benzene	5.37	78	379469	19.056	ug/l	99
41) Methacrylonitrile	4.52	41	73301	19.392	ug/l	100
42) 1,2-Dichloroethane	5.38	62	132182	19.223	ug/l	99
43) Isopropyl Acetate	5.53	43	212722	18.971	ug/l	100
44) Trichloroethene	6.17	130	101563	19.422	ug/l	95
45) 1,2-Dichloropropane	6.41	63	104703	19.101	ug/l	97
46) Dibromomethane	6.54	93	67447	19.098	ug/l	100
47) Bromodichloromethane	6.74	83	130806	18.931	ug/l	99
48) Methyl methacrylate	6.60	41	98833	18.266	ug/l	98
49) 1,4-Dioxane	6.59	88	45634	336.608	ug/l	98
51) 4-Methyl-2-Pentanone	7.44	43	715425	92.389	ug/l	100
52) Toluene	7.62	92	240655	19.618	ug/l	100
53) t-1,3-Dichloropropene	7.86	75	141680	18.480	ug/l	99
54) cis-1,3-Dichloropropene	7.25	75	158501	18.923	ug/l	98
55) 1,1,2-Trichloroethane	8.05	97	95869	18.476	ug/l	99
56) Ethyl methacrylate	8.00	69	141489	17.091	ug/l	99
57) 1,3-Dichloropropane	8.22	76	166833	18.936	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.11	63	264823	92.254	ug/l	100
59) 2-Hexanone	8.34	43	534281	91.396	ug/l	100
60) Dibromochloromethane	8.46	129	102421	18.389	ug/l	98
61) 1,2-Dibromoethane	8.57	107	101713	18.609	ug/l	99
64) Tetrachloroethene	8.21	164	90200	20.138	ug/l	99
65) Chlorobenzene	9.10	112	263363	19.188	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.19	131	92336	18.553	ug/l	98
67) Ethyl Benzene	9.23	91	450026	19.343	ug/l	99
68) m/p-Xylenes	9.36	106	351747	39.760	ug/l	98
69) o-Xylene	9.76	106	163146	19.222	ug/l	98
70) Styrene	9.77	104	289995	19.927	ug/l	98
71) Bromoform	9.94	173	77171	17.847	ug/l #	98
73) Isopropylbenzene	10.15	105	445145	18.482	ug/l	100
74) N-amyl acetate	10.00	43	181039	17.872	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.44	83	162530	17.631	ug/l	100
76) 1,2,3-Trichloropropane	10.48	75	139105m	17.213	ug/l	
77) Bromobenzene	10.43	156	118580	18.303	ug/l	99
78) n-propylbenzene	10.57	91	529002	18.860	ug/l	100
79) 2-Chlorotoluene	10.64	91	315596	18.759	ug/l	99
80) 1,3,5-Trimethylbenzene	10.76	105	389153	19.064	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.49	75	47264m	19.693	ug/l	
82) 4-Chlorotoluene	10.76	91	365402	18.885	ug/l	100
83) tert-Butylbenzene	11.08	119	361976	18.013	ug/l	99
84) 1,2,4-Trimethylbenzene	11.13	105	393137	19.395	ug/l	99
85) sec-Butylbenzene	11.31	105	445714	18.506	ug/l	100
86) p-Isopropyltoluene	11.46	119	408940	18.773	ug/l	99
87) 1,3-Dichlorobenzene	11.40	146	214361	18.689	ug/l	99
88) 1,4-Dichlorobenzene	11.49	146	218788	18.861	ug/l	99
89) n-Butylbenzene	11.87	91	365877	19.051	ug/l	99
90) Hexachloroethane	12.12	117	58305	15.481	ug/l	97
91) 1,2-Dichlorobenzene	11.86	146	209302	19.049	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.64	75	33243	18.101	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.49	180	145252	19.286	ug/l	99
94) Hexachlorobutadiene	13.67	225	71021	16.524	ug/l	98
95) Naphthalene	13.73	128	455693	21.422	ug/l	100
96) 1,2,3-Trichlorobenzene	13.97	180	146393	20.799	ug/l	100

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

