

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU090419\
 Data File : VU034217.D
 Acq On : 03 Sep 2019 11:09
 Operator : JC/SP
 Sample : VU0904WBS01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0904WBS01

Manual Integrations
 APPROVED

MMDadoda
 9/4/2019 4:57:29 PM

Quant Time: Sep 04 04:55:42 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	390768	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	614060	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	591439	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	320743	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.29	65	226070	45.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.30%	
35) Dibromofluoromethane	4.86	113	193879	45.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.04%	
50) Toluene-d8	7.55	98	739960	46.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.80%	
62) 4-Bromofluorobenzene	10.29	95	278562	44.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	65995	16.792	ug/l	99
3) Chloromethane	1.32	50	87422	15.201	ug/l	100
4) Vinyl Chloride	1.40	62	85913	16.425	ug/l	99
5) Bromomethane	1.62	94	50665	16.196	ug/l	95
6) Chloroethane	1.69	64	54575	17.066	ug/l	99
7) Trichlorofluoromethane	1.88	101	107320	17.707	ug/l	98
8) Diethyl Ether	2.09	74	46683	18.005	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.28	101	68915	17.949	ug/l	99
10) Methyl Iodide	2.40	142	50866	9.339	ug/l	100
11) Tert butyl alcohol	2.81	59	81361	70.463	ug/l	100
12) 1,1-Dichloroethene	2.27	96	68916	17.617	ug/l	98
13) Acrolein	2.18	56	21422	44.102	ug/l	99
14) Allyl chloride	2.58	41	125198m	17.022	ug/l	
15) Acrylonitrile	2.92	53	221637	83.650	ug/l	98
16) Acetone	2.31	43	206890	80.980	ug/l	100
17) Carbon Disulfide	2.47	76	188812	15.250	ug/l	100
18) Methyl Acetate	2.60	43	106128	16.075	ug/l	100
19) Methyl tert-butyl Ether	2.98	73	231953	18.096	ug/l	100
20) Methylene Chloride	2.69	84	84052	17.378	ug/l	100
21) trans-1,2-Dichloroethene	2.97	96	72641	17.110	ug/l	97
22) Diisopropyl ether	3.55	45	249827	18.536	ug/l	96
23) Vinyl Acetate	3.51	43	998648	86.255	ug/l	99
24) 1,1-Dichloroethane	3.43	63	144936	18.215	ug/l	99
25) 2-Butanone	4.24	43	295009	82.997	ug/l	99
26) 2,2-Dichloropropane	4.20	77	114408	17.670	ug/l	99
27) cis-1,2-Dichloroethene	4.21	96	85607	17.964	ug/l	100
28) Bromochloromethane	4.52	49	74917	19.110	ug/l	100
29) Tetrahydrofuran	4.62	42	185758	84.743	ug/l	98
30) Chloroform	4.65	83	143599	18.088	ug/l	100
31) Cyclohexane	4.97	56	121850	16.297	ug/l	95
32) 1,1,1-Trichloroethane	4.89	97	117796	18.117	ug/l	99
36) 1,1-Dichloropropene	5.12	75	100562	17.314	ug/l	99
37) Ethyl Acetate	4.36	43	105324	16.193	ug/l	98
38) Carbon Tetrachloride	5.11	117	100202	17.873	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.40	83	112626	16.452	ug/l	98
40) Benzene	5.37	78	317853	18.088	ug/l	99
41) Methacrylonitrile	4.52	41	55501	16.638	ug/l	97
42) 1,2-Dichloroethane	5.38	62	109462	18.038	ug/l	98
43) Isopropyl Acetate	5.53	43	161129	16.284	ug/l	100
44) Trichloroethene	6.17	130	84066	18.217	ug/l	99
45) 1,2-Dichloropropane	6.41	63	89788	18.561	ug/l	99
46) Dibromomethane	6.54	93	55371	17.767	ug/l	99
47) Bromodichloromethane	6.74	83	108769	17.838	ug/l	100
48) Methyl methacrylate	6.60	41	75506	15.813	ug/l	98
49) 1,4-Dioxane	6.59	88	32404	270.850	ug/l	99
51) 4-Methyl-2-Pentanone	7.44	43	553237	80.958	ug/l	99
52) Toluene	7.62	92	201183	18.584	ug/l	99
53) t-1,3-Dichloropropene	7.86	75	113588	16.789	ug/l	99
54) cis-1,3-Dichloropropene	7.25	75	129941	17.580	ug/l	97
55) 1,1,2-Trichloroethane	8.05	97	82202	17.952	ug/l	98
56) Ethyl methacrylate	8.00	69	110989	15.300	ug/l	100
57) 1,3-Dichloropropane	8.22	76	137617	17.700	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.11	63	179948	71.034	ug/l	99
59) 2-Hexanone	8.34	43	404306	78.372	ug/l	100
60) Dibromochloromethane	8.46	129	86414	17.581	ug/l	98
61) 1,2-Dibromoethane	8.57	107	81501	16.896	ug/l	100
64) Tetrachloroethene	8.21	164	75566	19.025	ug/l	100
65) Chlorobenzene	9.10	112	217456	17.866	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.19	131	77929	17.657	ug/l	99
67) Ethyl Benzene	9.23	91	361781	17.535	ug/l	100
68) m/p-Xylenes	9.36	106	282951	36.068	ug/l	99
69) o-Xylene	9.76	106	131864	17.520	ug/l	99
70) Styrene	9.77	104	232787	18.038	ug/l	100
71) Bromoform	9.94	173	63394	16.532	ug/l #	100
73) Isopropylbenzene	10.15	105	360341	16.726	ug/l	99
74) N-amyl acetate	10.00	43	138852	15.324	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.44	83	134031	16.254	ug/l	100
76) 1,2,3-Trichloropropane	10.47	75	111053m	15.362	ug/l	
77) Bromobenzene	10.43	156	97633	16.847	ug/l	98
78) n-propylbenzene	10.57	91	422832	16.853	ug/l	99
79) 2-Chlorotoluene	10.64	91	256349	17.034	ug/l	100
80) 1,3,5-Trimethylbenzene	10.75	105	317825	17.406	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.49	75	34332m	15.992	ug/l	
82) 4-Chlorotoluene	10.75	91	295785	17.090	ug/l	100
83) tert-Butylbenzene	11.08	119	292912	16.295	ug/l	100
84) 1,2,4-Trimethylbenzene	11.13	105	309733	17.082	ug/l	98
85) sec-Butylbenzene	11.30	105	356587	16.551	ug/l	100
86) p-Isopropyltoluene	11.46	119	328304	16.849	ug/l	99
87) 1,3-Dichlorobenzene	11.40	146	175423	17.098	ug/l	100
88) 1,4-Dichlorobenzene	11.49	146	178282	17.182	ug/l	99
89) n-Butylbenzene	11.87	91	278082	16.187	ug/l	99
90) Hexachloroethane	12.12	117	47737	14.170	ug/l	98
91) 1,2-Dichlorobenzene	11.86	146	173575	17.661	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.64	75	25040	15.243	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.49	180	103312	15.563	ug/l	99
94) Hexachlorobutadiene	13.67	225	58219	15.142	ug/l	99
95) Naphthalene	13.73	128	264379	14.523	ug/l	99
96) 1,2,3-Trichlorobenzene	13.97	180	104512	16.600	ug/l	98

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

