

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U090719\
 Data File : VU034315.D
 Acq On : 06 Sep 2019 08:52
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/10/2019 10:48:36 AM

Quant Time: Sep 06 12:34:02 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	312356	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	442121	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	441519	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	292934	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.29	65	231444	48.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.94%	
35) Dibromofluoromethane	4.86	113	205821	50.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.06%	
50) Toluene-d8	7.54	98	811862	52.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.06%	
62) 4-Bromofluorobenzene	10.29	95	307333	51.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	155149	47.493	ug/l	99
3) Chloromethane	1.32	50	173702	49.215	ug/l	98
4) Vinyl Chloride	1.40	62	185495	45.567	ug/l	100
5) Bromomethane	1.61	94	112855	55.054	ug/l	100
6) Chloroethane	1.69	64	118673	50.160	ug/l	97
7) Trichlorofluoromethane	1.87	101	257797	47.231	ug/l	98
8) Diethyl Ether	2.09	74	111707	46.527	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.27	101	174772	48.344	ug/l	99
10) Methyl Iodide	2.40	142	150383	45.816	ug/l	100
11) Tert butyl alcohol	2.81	59	249897	250.287	ug/l	100
12) 1,1-Dichloroethene	2.27	96	159381	46.898	ug/l	98
13) Acrolein	2.18	56	172774	205.885	ug/l	99
14) Allyl chloride	2.58	41	268243	41.286	ug/l	92
15) Acrylonitrile	2.92	53	629853	253.324	ug/l	99
16) Acetone	2.31	43	717500	293.372	ug/l	99
17) Carbon Disulfide	2.46	76	335417	43.914	ug/l	100
18) Methyl Acetate	2.60	43	270710	45.489	ug/l	99
19) Methyl tert-butyl Ether	2.98	73	615789	49.712	ug/l	99
20) Methylene Chloride	2.68	84	201848	50.391	ug/l	99
21) trans-1,2-Dichloroethene	2.96	96	170378	47.574	ug/l	99
22) Diisopropyl ether	3.55	45	629759	49.703	ug/l	97
23) Vinyl Acetate	3.50	43	2649636	256.726	ug/l	99
24) 1,1-Dichloroethane	3.42	63	355418	46.971	ug/l	100
25) 2-Butanone	4.23	43	907686	278.031	ug/l	99
26) 2,2-Dichloropropane	4.20	77	295365	48.534	ug/l	99
27) cis-1,2-Dichloroethene	4.20	96	213695	49.130	ug/l	98
28) Bromochloromethane	4.52	49	164464	47.255	ug/l	98
29) Tetrahydrofuran	4.61	42	509278	256.359	ug/l	100
30) Chloroform	4.65	83	357688	46.506	ug/l	99
31) Cyclohexane	4.97	56	261963	47.323	ug/l	98
32) 1,1,1-Trichloroethane	4.89	97	290929	47.310	ug/l	99
36) 1,1-Dichloropropene	5.12	75	238016	49.640	ug/l	99
37) Ethyl Acetate	4.36	43	286760	50.583	ug/l	99
38) Carbon Tetrachloride	5.11	117	249180	48.672	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.40	83	263541	51.416	ug/l	99
40) Benzene	5.37	78	761065	49.190	ug/l	100
41) Methacrylonitrile	4.52	41	160320	53.091	ug/l	99
42) 1,2-Dichloroethane	5.38	62	259066	48.228	ug/l	100
43) Isopropyl Acetate	5.53	43	445288	50.351	ug/l	99
44) Trichloroethene	6.16	130	210159	49.087	ug/l	98
45) 1,2-Dichloropropane	6.41	63	223639	49.444	ug/l	99
46) Dibromomethane	6.54	93	139061	48.980	ug/l	98
47) Bromodichloromethane	6.74	83	288602	49.383	ug/l	100
48) Methyl methacrylate	6.60	41	215311	51.260	ug/l	99
49) 1,4-Dioxane	6.59	88	109545	1194.325	ug/l	98
51) 4-Methyl-2-Pentanone	7.44	43	1563116	255.345	ug/l	99
52) Toluene	7.62	92	488807	50.364	ug/l	99
53) t-1,3-Dichloropropene	7.86	75	311832	51.473	ug/l	99
54) cis-1,3-Dichloropropene	7.25	75	340095	51.149	ug/l	98
55) 1,1,2-Trichloroethane	8.04	97	215124	48.814	ug/l	97
56) Ethyl methacrylate	8.00	69	322683	48.305	ug/l	99
57) 1,3-Dichloropropane	8.22	76	356981	49.745	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.11	63	562378	248.378	ug/l	100
59) 2-Hexanone	8.34	43	1252443	273.870	ug/l	99
60) Dibromochloromethane	8.46	129	239555	50.678	ug/l	98
61) 1,2-Dibromoethane	8.57	107	219241	50.827	ug/l	100
64) Tetrachloroethene	8.21	164	189161	49.384	ug/l	97
65) Chlorobenzene	9.10	112	568012	50.708	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.19	131	212720	49.760	ug/l	99
67) Ethyl Benzene	9.23	91	961268	52.485	ug/l	98
68) m/p-Xylenes	9.35	106	747201	108.341	ug/l	100
69) o-Xylene	9.76	106	360224	53.408	ug/l	100
70) Styrene	9.77	104	661121	55.907	ug/l	99
71) Bromoform	9.94	173	190038	51.294	ug/l	# 100
73) Isopropylbenzene	10.15	105	996578	52.277	ug/l	100
74) N-amyl acetate	9.99	43	414089	53.963	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.44	83	373581	48.414	ug/l	100
76) 1,2,3-Trichloropropane	10.47	75	313267m	48.992	ug/l	
77) Bromobenzene	10.43	156	268153	50.307	ug/l	99
78) n-propylbenzene	10.57	91	1175934	53.412	ug/l	100
79) 2-Chlorotoluene	10.64	91	702882	52.323	ug/l	100
80) 1,3,5-Trimethylbenzene	10.75	105	880278	55.212	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.49	75	101681m	53.477	ug/l	
82) 4-Chlorotoluene	10.75	91	816733	52.831	ug/l	100
83) tert-Butylbenzene	11.08	119	849863	53.284	ug/l	99
84) 1,2,4-Trimethylbenzene	11.13	105	886439	55.233	ug/l	99
85) sec-Butylbenzene	11.30	105	1022181	54.286	ug/l	100
86) p-Isopropyltoluene	11.46	119	961714	55.336	ug/l	99
87) 1,3-Dichlorobenzene	11.40	146	503092	51.722	ug/l	99
88) 1,4-Dichlorobenzene	11.49	146	502052	49.486	ug/l	100
89) n-Butylbenzene	11.87	91	858538	56.845	ug/l	100
90) Hexachloroethane	12.12	117	144176	51.852	ug/l	99
91) 1,2-Dichlorobenzene	11.86	146	487875	51.037	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.64	75	76541	53.980	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.49	180	343544	49.583	ug/l	100
94) Hexachlorobutadiene	13.67	225	172985	51.733	ug/l	100
95) Naphthalene	13.72	128	920757	47.387	ug/l	99
96) 1,2,3-Trichlorobenzene	13.97	180	333348	49.792	ug/l	100

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

