

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU090219\
 Data File : VU034185.D
 Acq On : 01 Sep 2019 21:31
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/3/2019 11:43:59 AM

Quant Time: Sep 02 09:00:31 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	393020	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	632358	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	613828	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	339677	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.29	65	248075	49.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.52%	
35) Dibromofluoromethane	4.86	113	213644	48.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.42%	
50) Toluene-d8	7.55	98	833672	50.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.52%	
62) 4-Bromofluorobenzene	10.29	95	316803	49.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	187985	47.559	ug/l	99
3) Chloromethane	1.32	50	233002	43.884	ug/l	100
4) Vinyl Chloride	1.40	62	246059	46.772	ug/l	99
5) Bromomethane	1.61	94	123999	48.831	ug/l	98
6) Chloroethane	1.69	64	150706	46.858	ug/l	99
7) Trichlorofluoromethane	1.87	101	292850	48.042	ug/l	99
8) Diethyl Ether	2.09	74	130940	50.213	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.28	101	187996	48.683	ug/l	98
10) Methyl Iodide	2.40	142	137060	25.020	ug/l	99
11) Tert butyl alcohol	2.81	59	263688	227.061	ug/l	99
12) 1,1-Dichloroethene	2.27	96	192807	49.004	ug/l	100
13) Acrolein	2.18	56	89683	183.576	ug/l	100
14) Allyl chloride	2.58	41	359175m	48.553	ug/l	
15) Acrylonitrile	2.92	53	681063	255.573	ug/l	100
16) Acetone	2.31	43	550506	214.242	ug/l	99
17) Carbon Disulfide	2.47	76	538818	43.270	ug/l	99
18) Methyl Acetate	2.60	43	322733	48.603	ug/l	99
19) Methyl tert-butyl Ether	2.98	73	673606	52.252	ug/l	99
20) Methylene Chloride	2.69	84	237179	48.758	ug/l	96
21) trans-1,2-Dichloroethene	2.97	96	209775	49.126	ug/l	99
22) Diisopropyl ether	3.55	45	716247	52.839	ug/l	98
23) Vinyl Acetate	3.50	43	3012909	258.740	ug/l	100
24) 1,1-Dichloroethane	3.42	63	408582	51.054	ug/l	100
25) 2-Butanone	4.23	43	891562	249.393	ug/l	99
26) 2,2-Dichloropropane	4.20	77	274260	42.116	ug/l	97
27) cis-1,2-Dichloroethene	4.20	96	242751	50.649	ug/l	98
28) Bromochloromethane	4.52	49	201920	51.211	ug/l	99
29) Tetrahydrofuran	4.61	42	574919	260.775	ug/l	99
30) Chloroform	4.65	83	393543	49.286	ug/l	99
31) Cyclohexane	4.97	56	343460	45.673	ug/l	99
32) 1,1,1-Trichloroethane	4.89	97	329206	50.340	ug/l	99
36) 1,1-Dichloropropene	5.12	75	284455	47.557	ug/l	100
37) Ethyl Acetate	4.36	43	325965	48.666	ug/l	100
38) Carbon Tetrachloride	5.11	117	278008	48.152	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.40	83	323529	45.892	ug/l	98
40) Benzene	5.37	78	885054	48.907	ug/l	99
41) Methacrylonitrile	4.52	41	179060	52.127	ug/l	99
42) 1,2-Dichloroethane	5.38	62	303365	48.546	ug/l	99
43) Isopropyl Acetate	5.53	43	505986	49.655	ug/l	100
44) Trichloroethene	6.17	130	237476	49.972	ug/l	97
45) 1,2-Dichloropropane	6.41	63	251538	50.494	ug/l	99
46) Dibromomethane	6.54	93	158500	49.386	ug/l	99
47) Bromodichloromethane	6.74	83	313005	49.848	ug/l	99
48) Methyl methacrylate	6.60	41	246616	50.154	ug/l	98
49) 1,4-Dioxane	6.59	88	107686	874.053	ug/l	98
51) 4-Methyl-2-Pentanone	7.44	43	1716713	243.946	ug/l	99
52) Toluene	7.62	92	562474	50.455	ug/l	100
53) t-1,3-Dichloropropene	7.86	75	328086	47.089	ug/l	100
54) cis-1,3-Dichloropropene	7.25	75	372135	48.889	ug/l	98
55) 1,1,2-Trichloroethane	8.05	97	233768	49.575	ug/l	100
56) Ethyl methacrylate	8.00	69	353496	45.288	ug/l	100
57) 1,3-Dichloropropane	8.22	76	395453	49.391	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.11	63	618343	237.028	ug/l	100
59) 2-Hexanone	8.34	43	1304599	245.572	ug/l	100
60) Dibromochloromethane	8.46	129	247145	48.826	ug/l	100
61) 1,2-Dibromoethane	8.57	107	237128	47.738	ug/l	99
64) Tetrachloroethene	8.21	164	212270	51.494	ug/l	99
65) Chlorobenzene	9.10	112	618836	48.990	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.19	131	219031	47.818	ug/l	99
67) Ethyl Benzene	9.23	91	1068164	49.884	ug/l	99
68) m/p-Xylenes	9.36	106	834223	102.459	ug/l	99
69) o-Xylene	9.76	106	399007	51.080	ug/l	100
70) Styrene	9.77	104	712037	53.163	ug/l	99
71) Bromoform	9.94	173	185490	46.609	ug/l #	100
73) Isopropylbenzene	10.15	105	1072092	46.989	ug/l	100
74) N-amyl acetate	9.99	43	458173	47.745	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.44	83	389751	44.631	ug/l	99
76) 1,2,3-Trichloropropane	10.47	75	339793m	44.384	ug/l	
77) Bromobenzene	10.43	156	281396	45.848	ug/l	98
78) n-propylbenzene	10.57	91	1260240	47.429	ug/l	100
79) 2-Chlorotoluene	10.64	91	745592	46.782	ug/l	100
80) 1,3,5-Trimethylbenzene	10.75	105	926836	47.928	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.49	75	76268m	33.545	ug/l	
82) 4-Chlorotoluene	10.75	91	866889	47.295	ug/l	100
83) tert-Butylbenzene	11.08	119	871885	45.800	ug/l	99
84) 1,2,4-Trimethylbenzene	11.13	105	935397	48.713	ug/l	99
85) sec-Butylbenzene	11.30	105	1063480	46.610	ug/l	100
86) p-Isopropyltoluene	11.46	119	973514	47.176	ug/l	100
87) 1,3-Dichlorobenzene	11.39	146	510003	46.937	ug/l	100
88) 1,4-Dichlorobenzene	11.48	146	513199	46.702	ug/l	99
89) n-Butylbenzene	11.87	91	867735	47.695	ug/l	100
90) Hexachloroethane	12.12	117	138336	38.774	ug/l	99
91) 1,2-Dichlorobenzene	11.86	146	499630	48.002	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.64	75	77607	44.608	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.48	180	343216	46.440	ug/l	99
94) Hexachlorobutadiene	13.67	225	152223	37.385	ug/l	98
95) Naphthalene	13.72	128	988390	46.739	ug/l	100
96) 1,2,3-Trichlorobenzene	13.97	180	337898	50.678	ug/l	99

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

