

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091219\
 Data File : VU034506.D
 Acq On : 12 Sep 2019 09:27
 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
 9/16/2019 11:16:27 AM

Quant Time: Sep 13 07:24:02 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	262136	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	360921	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	363158	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	250206	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.29	65	190980	48.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.30%	
35) Dibromofluoromethane	4.86	113	170814	50.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.72%	
50) Toluene-d8	7.54	98	645888	51.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.38%	
62) 4-Bromofluorobenzene	10.29	95	247039	50.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	125874	45.913	ug/l	96
3) Chloromethane	1.32	50	145108	48.990	ug/l	97
4) Vinyl Chloride	1.40	62	151620	44.381	ug/l	100
5) Bromomethane	1.61	94	90206	52.214	ug/l	99
6) Chloroethane	1.68	64	101638	51.211	ug/l	98
7) Trichlorofluoromethane	1.87	101	222827	48.645	ug/l	100
8) Diethyl Ether	2.09	74	97418	48.349	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.27	101	149949	49.424	ug/l	99
10) Methyl Iodide	2.40	142	131884	47.705	ug/l	100
11) Tert butyl alcohol	2.81	59	219957	262.506	ug/l	98
12) 1,1-Dichloroethene	2.27	96	134794	47.262	ug/l	97
13) Acrolein	2.18	56	145930	207.211	ug/l	99
14) Allyl chloride	2.58	41	251312m	46.091	ug/l	
15) Acrylonitrile	2.92	53	530325	254.158	ug/l	98
16) Acetone	2.31	43	560545	273.106	ug/l	98
17) Carbon Disulfide	2.46	76	260771	40.682	ug/l	99
18) Methyl Acetate	2.60	43	235887	47.232	ug/l	98
19) Methyl tert-butyl Ether	2.98	73	530341	51.016	ug/l	99
20) Methylene Chloride	2.68	84	175749	52.296	ug/l	98
21) trans-1,2-Dichloroethene	2.96	96	141880	47.207	ug/l	99
22) Diisopropyl ether	3.55	45	549390	51.667	ug/l	99
23) Vinyl Acetate	3.50	43	2217079	255.970	ug/l	99
24) 1,1-Dichloroethane	3.42	63	305403	48.094	ug/l	100
25) 2-Butanone	4.23	43	738225	269.445	ug/l	100
26) 2,2-Dichloropropane	4.20	77	256074	50.139	ug/l	100
27) cis-1,2-Dichloroethene	4.20	96	181593	49.748	ug/l	99
28) Bromochloromethane	4.52	49	151123	51.740	ug/l	100
29) Tetrahydrofuran	4.61	42	422501	253.422	ug/l	99
30) Chloroform	4.65	83	318698	49.375	ug/l	100
31) Cyclohexane	4.97	56	206673	44.487	ug/l	99
32) 1,1,1-Trichloroethane	4.89	97	257114	49.822	ug/l	99
36) 1,1-Dichloropropene	5.11	75	197386	50.428	ug/l	100
37) Ethyl Acetate	4.36	43	241375	52.157	ug/l	99
38) Carbon Tetrachloride	5.11	117	220914	52.859	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.40	83	204912	48.972	ug/l	99
40) Benzene	5.37	78	658674	52.150	ug/l	99
41) Methacrylonitrile	4.52	41	134815	54.690	ug/l	99
42) 1,2-Dichloroethane	5.38	62	230628	52.593	ug/l	100
43) Isopropyl Acetate	5.53	43	377599	52.303	ug/l	100
44) Trichloroethene	6.16	130	178116	50.962	ug/l	100
45) 1,2-Dichloropropane	6.41	63	191837	51.955	ug/l	97
46) Dibromomethane	6.54	93	124749	53.824	ug/l	99
47) Bromodichloromethane	6.73	83	257061	53.882	ug/l	100
48) Methyl methacrylate	6.60	41	180026	52.502	ug/l	99
49) 1,4-Dioxane	6.59	88	86534	1155.702	ug/l	98
51) 4-Methyl-2-Pentanone	7.44	43	1339673	268.080	ug/l	99
52) Toluene	7.61	92	423782	53.487	ug/l	99
53) t-1,3-Dichloropropene	7.86	75	266084	53.803	ug/l	99
54) cis-1,3-Dichloropropene	7.25	75	293575	54.087	ug/l	99
55) 1,1,2-Trichloroethane	8.04	97	194298	54.007	ug/l	98
56) Ethyl methacrylate	8.00	69	269439	49.338	ug/l	99
57) 1,3-Dichloropropane	8.22	76	309756	52.876	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.11	63	458204	247.930	ug/l	100
59) 2-Hexanone	8.34	43	1047093	280.479	ug/l	100
60) Dibromochloromethane	8.45	129	215235	55.777	ug/l	99
61) 1,2-Dibromoethane	8.57	107	190425	54.078	ug/l	100
64) Tetrachloroethene	8.21	164	162599	51.609	ug/l	97
65) Chlorobenzene	9.10	112	485023	52.643	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.19	131	188392	53.579	ug/l	99
67) Ethyl Benzene	9.23	91	807105	53.576	ug/l	99
68) m/p-Xylenes	9.35	106	644499	113.614	ug/l	100
69) o-Xylene	9.76	106	308863	55.674	ug/l	100
70) Styrene	9.77	104	569135	58.513	ug/l	100
71) Bromoform	9.94	173	169561	55.642	ug/l #	99
73) Isopropylbenzene	10.14	105	860873	52.870	ug/l	100
74) N-amyl acetate	9.99	43	346008	52.791	ug/l	100
75) 1,1,2,2-Tetrachloroethane	10.43	83	331324	50.270	ug/l	100
76) 1,2,3-Trichloropropane	10.47	75	282882m	51.795	ug/l	
77) Bromobenzene	10.43	156	236051	51.847	ug/l	98
78) n-propylbenzene	10.57	91	1010228	53.721	ug/l	99
79) 2-Chlorotoluene	10.64	91	602992	52.552	ug/l	100
80) 1,3,5-Trimethylbenzene	10.75	105	759096	55.742	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.49	75	76601m	47.167	ug/l	
82) 4-Chlorotoluene	10.75	91	711165	53.859	ug/l	100
83) tert-Butylbenzene	11.08	119	729305	53.534	ug/l	100
84) 1,2,4-Trimethylbenzene	11.13	105	769122	56.107	ug/l	100
85) sec-Butylbenzene	11.30	105	885321	55.047	ug/l	100
86) p-Isopropyltoluene	11.45	119	822552	55.411	ug/l	100
87) 1,3-Dichlorobenzene	11.40	146	438060	52.728	ug/l	99
88) 1,4-Dichlorobenzene	11.49	146	440509	50.835	ug/l	99
89) n-Butylbenzene	11.87	91	715466	55.462	ug/l	100
90) Hexachloroethane	12.12	117	125732	52.941	ug/l	99
91) 1,2-Dichlorobenzene	11.85	146	427420	52.348	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.64	75	66048	54.534	ug/l	99

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.48	180	291062	49.210	ug/l	98
94) Hexachlorobutadiene	13.67	225	147535	51.657	ug/l	100
95) Naphthalene	13.72	128	733860	44.483	ug/l	100
96) 1,2,3-Trichlorobenzene	13.96	180	280506	49.093	ug/l	99

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

