

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092818\
 Data File : VU027253.D
 Acq On : 28 Sep 2018 02:48
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 10/2/2018 1:07:23 PM

Quant Time: Sep 28 05:20:41 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U092218W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 22 01:31:57 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	78535	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	135416	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	131027	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	72687	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	79183	50.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.20%	
35) Dibromofluoromethane	4.88	113	56912	48.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.98%	
50) Toluene-d8	7.57	98	208255	46.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.10%	
62) 4-Bromofluorobenzene	10.31	95	78616	51.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	59721	58.243	ug/l	99
3) Chloromethane	1.33	50	83371	47.159	ug/l	98
4) Vinyl Chloride	1.40	62	88426	53.585	ug/l	98
5) Bromomethane	1.61	94	65628	69.837	ug/l	98
6) Chloroethane	1.69	64	53503	50.743	ug/l	100
7) Trichlorofluoromethane	1.88	101	95187	50.787	ug/l	99
8) Diethyl Ether	2.10	74	45186	50.088	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.29	101	52741	45.765	ug/l	99
10) Methyl Iodide	2.41	142	32092	22.453	ug/l	97
11) Tert butyl alcohol	2.83	59	89861	248.032	ug/l	99
12) 1,1-Dichloroethene	2.28	96	52320	48.235	ug/l	97
13) Acrolein	2.20	56	29403	150.552	ug/l	98
14) Allyl chloride	2.59	41	125497	57.044	ug/l	97
15) Acrylonitrile	2.94	53	255397	279.696	ug/l	99
16) Acetone	2.32	43	211153	251.590	ug/l	99
17) Carbon Disulfide	2.48	76	188992	53.485	ug/l	100
18) Methyl Acetate	2.62	43	136675	60.750	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	223455	56.060	ug/l	100
20) Methylene Chloride	2.70	84	70642	49.903	ug/l	97
21) trans-1,2-Dichloroethene	2.98	96	62484	53.955	ug/l	99
22) Diisopropyl ether	3.57	45	276662	58.794	ug/l	99
23) Vinyl Acetate	3.53	43	1192907	297.397	ug/l	99
24) 1,1-Dichloroethane	3.45	63	141430	54.571	ug/l	99
25) 2-Butanone	4.26	43	363406	273.576	ug/l	98
26) 2,2-Dichloropropane	4.23	77	84032	41.576	ug/l	98
27) cis-1,2-Dichloroethene	4.23	96	70445	53.863	ug/l	100
28) Bromochloromethane	4.55	49	68246	54.627	ug/l	94
29) Tetrahydrofuran	4.64	42	236524	294.343	ug/l	97
30) Chloroform	4.67	83	126301	52.501	ug/l	99
31) Cyclohexane	5.00	56	130634	55.514	ug/l	99
32) 1,1,1-Trichloroethane	4.92	97	105207	54.774	ug/l	99
36) 1,1-Dichloropropene	5.14	75	95807	53.012	ug/l	99
37) Ethyl Acetate	4.38	43	130479	53.331	ug/l	99
38) Carbon Tetrachloride	5.14	117	88922	51.703	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	110342	56.182	ug/l	99
40) Benzene	5.39	78	284474	51.778	ug/l	100
41) Methacrylonitrile	4.54	41	75498	59.418	ug/l	96
42) 1,2-Dichloroethane	5.40	62	110137	53.059	ug/l	100
43) Isopropyl Acetate	5.55	43	202146	56.655	ug/l	99
44) Trichloroethene	6.19	130	62055	53.055	ug/l	98
45) 1,2-Dichloropropane	6.43	63	84586	54.033	ug/l	98
46) Dibromomethane	6.56	93	49047	51.876	ug/l	99
47) Bromodichloromethane	6.76	83	98686	51.621	ug/l	97
48) Methyl methacrylate	6.62	41	104954	53.962	ug/l	99
49) 1,4-Dioxane	6.61	88	34671	898.792	ug/l	97
51) 4-Methyl-2-Pentanone	7.46	43	696567	290.270	ug/l	99
52) Toluene	7.64	92	173122	54.973	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	112968	54.998	ug/l	100
54) cis-1,3-Dichloropropene	7.27	75	121040	53.594	ug/l	100
55) 1,1,2-Trichloroethane	8.07	97	68006	50.964	ug/l	99
56) Ethyl methacrylate	8.02	69	118882	51.287	ug/l	97
57) 1,3-Dichloropropane	8.24	76	132897	53.547	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	316645	241.155	ug/l	98
59) 2-Hexanone	8.36	43	529530	281.897	ug/l	99
60) Dibromochloromethane	8.48	129	69851	53.366	ug/l	99
61) 1,2-Dibromoethane	8.59	107	72951	52.543	ug/l	100
64) Tetrachloroethene	8.23	164	54285	53.766	ug/l	97
65) Chlorobenzene	9.12	112	178450	51.364	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	63148	52.771	ug/l	99
67) Ethyl Benzene	9.25	91	321988	56.361	ug/l	99
68) m/p-Xylenes	9.38	106	239762	103.575	ug/l	98
69) o-Xylene	9.78	106	116046	57.331	ug/l	100
70) Styrene	9.79	104	192914	51.005	ug/l	99
71) Bromoform	9.96	173	50705	54.794	ug/l #	98
73) Isopropylbenzene	10.17	105	313727	56.740	ug/l	100
74) N-amyl acetate	10.02	43	184622	57.684	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	122246	48.087	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	111571m	50.526	ug/l	
77) Bromobenzene	10.45	156	70999	52.546	ug/l	96
78) n-propylbenzene	10.59	91	380617	58.177	ug/l	99
79) 2-Chlorotoluene	10.66	91	223402	54.363	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	261307	57.251	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	30172m	43.726	ug/l	
82) 4-Chlorotoluene	10.77	91	257737	55.934	ug/l	99
83) tert-Butylbenzene	11.10	119	246031	54.522	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	266493	57.372	ug/l	99
85) sec-Butylbenzene	11.32	105	315682	57.309	ug/l	100
86) p-Isopropyltoluene	11.48	119	266699	51.569	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	131283	52.213	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	132412	48.319	ug/l	99
89) n-Butylbenzene	11.89	91	251068	50.104	ug/l	99
90) Hexachloroethane	12.15	117	48702	48.620	ug/l	100
91) 1,2-Dichlorobenzene	11.88	146	132043	49.438	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.66	75	28014	54.017	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	84883	55.150	ug/l	99
94) Hexachlorobutadiene	13.69	225	41743	51.257	ug/l	100
95) Naphthalene	13.74	128	305843	50.796	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	89893	54.462	ug/l	99

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

