

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092218\
 Data File : VU027039.D
 Acq On : 23 Sep 2018 00:19
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 79 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/24/2018 2:14:25 PM

Quant Time: Sep 24 05:41:25 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	4.99	168	82022	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	142686	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	138634	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	75903	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	86886	52.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.26%	
35) Dibromofluoromethane	4.88	113	60778	49.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.28%	
50) Toluene-d8	7.57	98	237051	50.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.58%	
62) 4-Bromofluorobenzene	10.31	95	86095	53.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	52226	48.768	ug/l	98
3) Chloromethane	1.33	50	87056	47.150	ug/l	99
4) Vinyl Chloride	1.40	62	84613	49.094	ug/l	99
5) Bromomethane	1.62	94	45481	46.340	ug/l	100
6) Chloroethane	1.69	64	54722	49.693	ug/l	99
7) Trichlorofluoromethane	1.88	101	96325	49.209	ug/l	99
8) Diethyl Ether	2.10	74	47246	50.145	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.29	101	57870	48.081	ug/l	98
10) Methyl Iodide	2.41	142	65864	44.123	ug/l	100
11) Tert butyl alcohol	2.83	59	100557	265.755	ug/l	99
12) 1,1-Dichloroethene	2.28	96	55516	49.006	ug/l	97
13) Acrolein	2.19	56	50561	247.881	ug/l	98
14) Allyl chloride	2.59	41	124954	54.383	ug/l	98
15) Acrylonitrile	2.94	53	250527	262.699	ug/l	99
16) Acetone	2.32	43	220938	252.091	ug/l	99
17) Carbon Disulfide	2.48	76	180106	48.804	ug/l	100
18) Methyl Acetate	2.61	43	125498	53.411	ug/l	100
19) Methyl tert-butyl Ether	3.00	73	226833	54.489	ug/l	99
20) Methylene Chloride	2.70	84	70756	47.858	ug/l	97
21) trans-1,2-Dichloroethene	2.98	96	62412	51.601	ug/l	98
22) Diisopropyl ether	3.57	45	278361	56.640	ug/l	99
23) Vinyl Acetate	3.53	43	1199209	286.258	ug/l	99
24) 1,1-Dichloroethane	3.45	63	143771	53.116	ug/l	99
25) 2-Butanone	4.26	43	356361	256.867	ug/l	99
26) 2,2-Dichloropropane	4.23	77	92630	43.881	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	71458	52.315	ug/l	98
28) Bromochloromethane	4.55	49	73360	56.224	ug/l	96
29) Tetrahydrofuran	4.64	42	232745	277.327	ug/l	98
30) Chloroform	4.68	83	127130	50.599	ug/l	98
31) Cyclohexane	5.00	56	128682	52.327	ug/l	99
32) 1,1,1-Trichloroethane	4.92	97	104786	52.235	ug/l	99
36) 1,1-Dichloropropene	5.14	75	97482	51.190	ug/l	99
37) Ethyl Acetate	4.38	43	132336	51.334	ug/l	100
38) Carbon Tetrachloride	5.14	117	89072	49.151	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	109693	53.006	ug/l	98
40) Benzene	5.39	78	287663	49.691	ug/l	100
41) Methacrylonitrile	4.54	41	74760	55.840	ug/l	98
42) 1,2-Dichloroethane	5.40	62	111283	50.879	ug/l	99
43) Isopropyl Acetate	5.55	43	204004	54.262	ug/l	99
44) Trichloroethene	6.19	130	61287	49.728	ug/l	96
45) 1,2-Dichloropropane	6.43	63	84553	51.260	ug/l	96
46) Dibromomethane	6.56	93	49266	49.453	ug/l	98
47) Bromodichloromethane	6.76	83	100292	49.788	ug/l	99
48) Methyl methacrylate	6.62	41	103194	50.422	ug/l	99
49) 1,4-Dioxane	6.61	88	39969	983.505	ug/l	98
51) 4-Methyl-2-Pentanone	7.46	43	692700	273.951	ug/l	100
52) Toluene	7.64	92	174729	52.656	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	116332	53.751	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	125365	52.681	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	71348	50.744	ug/l	98
56) Ethyl methacrylate	8.02	69	121161	49.678	ug/l	97
57) 1,3-Dichloropropane	8.24	76	136646	52.252	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	341977	247.056	ug/l	99
59) 2-Hexanone	8.36	43	531391	268.474	ug/l	99
60) Dibromochloromethane	8.48	129	71282	51.684	ug/l	99
61) 1,2-Dibromoethane	8.59	107	74278	50.773	ug/l	100
64) Tetrachloroethene	8.23	164	52931	49.548	ug/l	98
65) Chlorobenzene	9.12	112	180458	49.092	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	64512	50.953	ug/l	99
67) Ethyl Benzene	9.25	91	328107	54.281	ug/l	99
68) m/p-Xylenes	9.38	106	245159	100.145	ug/l	99
69) o-Xylene	9.78	106	116935	54.600	ug/l	98
70) Styrene	9.79	104	196151	49.086	ug/l	98
71) Bromoform	9.96	173	51238	52.332	ug/l #	100
73) Isopropylbenzene	10.17	105	320286	55.472	ug/l	100
74) N-amyl acetate	10.01	43	186251	55.728	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	125013	47.092	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	107076m	46.435	ug/l	
77) Bromobenzene	10.45	156	71833	50.911	ug/l	96
78) n-propylbenzene	10.59	91	385603	56.442	ug/l	99
79) 2-Chlorotoluene	10.66	91	228375	53.219	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	267145	56.050	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	34586m	47.999	ug/l	
82) 4-Chlorotoluene	10.77	91	263934	54.852	ug/l	99
83) tert-Butylbenzene	11.10	119	254581	54.027	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	275194	56.735	ug/l	99
85) sec-Butylbenzene	11.32	105	323794	56.292	ug/l	99
86) p-Isopropyltoluene	11.48	119	275640	51.049	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	132549	50.483	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	135900	47.491	ug/l	99
89) n-Butylbenzene	11.89	91	256811	49.127	ug/l	99
90) Hexachloroethane	12.15	117	51432	49.170	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	134694	48.294	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	27950	51.610	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	87655	54.538	ug/l	100
94) Hexachlorobutadiene	13.69	225	42139	49.551	ug/l	99
95) Naphthalene	13.74	128	318248	50.622	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	91838	53.283	ug/l	98

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

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