

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092818\
 Data File : VU027282.D
 Acq On : 28 Sep 2018 19:21
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 10/2/2018 1:08:11 PM

Quant Time: Sep 29 01:04:54 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	102726	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	171400	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	165910	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	90633	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	88403	42.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.52%	
35) Dibromofluoromethane	4.88	113	67860	45.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.36%	
50) Toluene-d8	7.57	98	250896	44.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.62%	
62) 4-Bromofluorobenzene	10.31	95	95363	49.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	62089	46.293	ug/l	96
3) Chloromethane	1.33	50	92005	39.787	ug/l	100
4) Vinyl Chloride	1.40	62	94236	43.658	ug/l	100
5) Bromomethane	1.61	94	45698	37.177	ug/l	96
6) Chloroethane	1.69	64	59498	43.140	ug/l	100
7) Trichlorofluoromethane	1.88	101	105528	43.045	ug/l	100
8) Diethyl Ether	2.10	74	53036	44.945	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.29	101	65556	43.490	ug/l	98
10) Methyl Iodide	2.41	142	19375	10.364	ug/l	98
11) Tert butyl alcohol	2.83	59	106211	224.124	ug/l	100
12) 1,1-Dichloroethene	2.28	96	64349	45.354	ug/l	97
13) Acrolein	2.20	56	51502	201.605	ug/l	99
14) Allyl chloride	2.59	41	141854	49.295	ug/l	97
15) Acrylonitrile	2.94	53	281015	235.279	ug/l	99
16) Acetone	2.32	43	246478	222.610	ug/l	99
17) Carbon Disulfide	2.48	76	211861	45.838	ug/l	99
18) Methyl Acetate	2.62	43	150816	51.250	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	264102	50.655	ug/l	98
20) Methylene Chloride	2.70	84	80534	43.494	ug/l	99
21) trans-1,2-Dichloroethene	2.98	96	71518	47.213	ug/l	97
22) Diisopropyl ether	3.58	45	310390	50.428	ug/l	96
23) Vinyl Acetate	3.53	43	1321606	251.892	ug/l	99
24) 1,1-Dichloroethane	3.45	63	160773	47.426	ug/l	100
25) 2-Butanone	4.26	43	397484	228.764	ug/l	98
26) 2,2-Dichloropropane	4.23	77	120936	45.744	ug/l	99
27) cis-1,2-Dichloroethene	4.22	96	83625	48.883	ug/l	99
28) Bromochloromethane	4.55	49	75251	46.050	ug/l	99
29) Tetrahydrofuran	4.64	42	258518	245.953	ug/l	100
30) Chloroform	4.67	83	142652	45.334	ug/l	99
31) Cyclohexane	5.00	56	150167	48.716	ug/l	99
32) 1,1,1-Trichloroethane	4.92	97	119102	47.406	ug/l	97
36) 1,1-Dichloropropene	5.14	75	110882	48.472	ug/l	99
37) Ethyl Acetate	4.38	43	143053	46.195	ug/l	97
38) Carbon Tetrachloride	5.13	117	99500	45.707	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	131135	52.752	ug/l	98
40) Benzene	5.39	78	327847	47.145	ug/l	99
41) Methacrylonitrile	4.54	41	81893	50.920	ug/l	100
42) 1,2-Dichloroethane	5.40	62	120994	46.052	ug/l	99
43) Isopropyl Acetate	5.55	43	232100	51.393	ug/l	99
44) Trichloroethene	6.19	130	74547	50.354	ug/l	99
45) 1,2-Dichloropropane	6.43	63	95264	48.078	ug/l	98
46) Dibromomethane	6.56	93	56120	46.896	ug/l	97
47) Bromodichloromethane	6.76	83	111593	46.117	ug/l	99
48) Methyl methacrylate	6.62	41	115424	47.019	ug/l	96
49) 1,4-Dioxane	6.61	88	39465	808.110	ug/l	100
51) 4-Methyl-2-Pentanone	7.46	43	759716	250.121	ug/l	98
52) Toluene	7.64	92	205549	51.567	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	132790	51.076	ug/l	100
54) cis-1,3-Dichloropropene	7.27	75	144058	50.395	ug/l	97
55) 1,1,2-Trichloroethane	8.07	97	80461	47.638	ug/l	99
56) Ethyl methacrylate	8.02	69	141016	48.201	ug/l	98
57) 1,3-Dichloropropane	8.24	76	152547	48.560	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	362613	218.649	ug/l	98
59) 2-Hexanone	8.36	43	580450	244.132	ug/l	97
60) Dibromochloromethane	8.48	129	80376	48.515	ug/l	98
61) 1,2-Dibromoethane	8.59	107	85193	48.478	ug/l	99
64) Tetrachloroethene	8.23	164	61376	48.008	ug/l	99
65) Chlorobenzene	9.12	112	209300	47.578	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	74597	49.232	ug/l	99
67) Ethyl Benzene	9.25	91	391552	54.128	ug/l	99
68) m/p-Xylenes	9.38	106	295479	100.847	ug/l	98
69) o-Xylene	9.78	106	140391	54.775	ug/l	99
70) Styrene	9.79	104	227968	47.721	ug/l	99
71) Bromoform	9.96	173	60696	51.801	ug/l #	99
73) Isopropylbenzene	10.17	105	371853	53.936	ug/l	100
74) N-amyl acetate	10.02	43	209749	52.559	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	138221	43.605	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	120662m	43.823	ug/l	
77) Bromobenzene	10.45	156	84654	50.247	ug/l	99
78) n-propylbenzene	10.59	91	442752	54.275	ug/l	99
79) 2-Chlorotoluene	10.66	91	258526	50.454	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	304813	53.559	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	38352m	44.575	ug/l	
82) 4-Chlorotoluene	10.77	91	294947	51.335	ug/l	99
83) tert-Butylbenzene	11.10	119	298740	53.094	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	319753	55.208	ug/l	100
85) sec-Butylbenzene	11.32	105	371908	54.148	ug/l	100
86) p-Isopropyltoluene	11.48	119	317130	49.222	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	155298	49.535	ug/l	100
88) 1,4-Dichlorobenzene	11.51	146	157740	46.164	ug/l	100
89) n-Butylbenzene	11.89	91	293594	47.138	ug/l	100
90) Hexachloroethane	12.15	117	56648	45.355	ug/l	96
91) 1,2-Dichlorobenzene	11.88	146	154848	46.497	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.66	75	31363	48.500	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	103853	54.114	ug/l	99
94) Hexachlorobutadiene	13.69	225	50435	49.668	ug/l	98
95) Naphthalene	13.74	128	374336	49.892	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	107911	52.433	ug/l	99

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

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