

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092818\
 Data File : VU027284.D
 Acq On : 28 Sep 2018 20:31
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 10/2/2018 1:08:16 PM

Quant Time: Sep 29 01:08:14 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	102162	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	169188	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	162604	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	88625	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	87341	42.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.96%	
35) Dibromofluoromethane	4.88	113	67198	45.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.64%	
50) Toluene-d8	7.57	98	245954	44.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.02%	
62) 4-Bromofluorobenzene	10.31	95	93071	48.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.06%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	63204	47.384	ug/l	98
3) Chloromethane	1.33	50	89430	38.887	ug/l	100
4) Vinyl Chloride	1.40	62	96811	45.098	ug/l	99
5) Bromomethane	1.61	94	63350	51.822	ug/l	97
6) Chloroethane	1.69	64	59724	43.543	ug/l	98
7) Trichlorofluoromethane	1.88	101	106121	43.526	ug/l	99
8) Diethyl Ether	2.10	74	54206	46.190	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.29	101	62902	41.959	ug/l	97
10) Methyl Iodide	2.41	142	30018	16.145	ug/l	97
11) Tert butyl alcohol	2.83	59	106940	226.909	ug/l	98
12) 1,1-Dichloroethene	2.28	96	61856	43.838	ug/l	96
13) Acrolein	2.20	56	56653	222.993	ug/l	99
14) Allyl chloride	2.59	41	142873	49.923	ug/l	97
15) Acrylonitrile	2.94	53	283574	238.732	ug/l	100
16) Acetone	2.32	43	246824	224.276	ug/l	100
17) Carbon Disulfide	2.48	76	212114	46.146	ug/l	99
18) Methyl Acetate	2.62	43	151674	51.826	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	265062	51.120	ug/l	100
20) Methylene Chloride	2.70	84	83102	45.128	ug/l	97
21) trans-1,2-Dichloroethene	2.98	96	72925	48.407	ug/l	97
22) Diisopropyl ether	3.57	45	309210	50.514	ug/l	98
23) Vinyl Acetate	3.52	43	1324791	253.893	ug/l	100
24) 1,1-Dichloroethane	3.45	63	159533	47.320	ug/l	99
25) 2-Butanone	4.26	43	399759	231.344	ug/l	99
26) 2,2-Dichloropropane	4.23	77	120393	45.790	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	85618	50.325	ug/l	98
28) Bromochloromethane	4.55	49	74529	45.860	ug/l	100
29) Tetrahydrofuran	4.64	42	261412	250.079	ug/l	100
30) Chloroform	4.67	83	143356	45.809	ug/l	98
31) Cyclohexane	5.00	56	148879	48.563	ug/l	98
32) 1,1,1-Trichloroethane	4.92	97	119807	47.950	ug/l	98
36) 1,1-Dichloropropene	5.14	75	110020	48.724	ug/l	99
37) Ethyl Acetate	4.38	43	143439	46.925	ug/l	98
38) Carbon Tetrachloride	5.13	117	102177	47.551	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	132395	53.955	ug/l	98
40) Benzene	5.39	78	332632	48.458	ug/l	100
41) Methacrylonitrile	4.54	41	84881	53.468	ug/l	98
42) 1,2-Dichloroethane	5.40	62	121616	46.894	ug/l	100
43) Isopropyl Acetate	5.55	43	230622	51.734	ug/l	99
44) Trichloroethene	6.19	130	74826	51.204	ug/l	96
45) 1,2-Dichloropropane	6.43	63	94300	48.214	ug/l	99
46) Dibromomethane	6.56	93	56625	47.937	ug/l	97
47) Bromodichloromethane	6.76	83	114091	47.766	ug/l	99
48) Methyl methacrylate	6.62	41	117647	48.518	ug/l	96
49) 1,4-Dioxane	6.61	88	39469	818.781	ug/l	99
51) 4-Methyl-2-Pentanone	7.46	43	768819	256.427	ug/l	99
52) Toluene	7.64	92	205774	52.298	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	134838	52.542	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	144902	51.353	ug/l	97
55) 1,1,2-Trichloroethane	8.07	97	81277	48.751	ug/l	98
56) Ethyl methacrylate	8.02	69	141505	48.965	ug/l	98
57) 1,3-Dichloropropane	8.24	76	154844	49.936	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	360267	220.042	ug/l	100
59) 2-Hexanone	8.36	43	582755	248.305	ug/l	98
60) Dibromochloromethane	8.48	129	82027	50.159	ug/l	99
61) 1,2-Dibromoethane	8.59	107	86266	49.731	ug/l	99
64) Tetrachloroethene	8.23	164	64218	51.252	ug/l	97
65) Chlorobenzene	9.12	112	212409	49.266	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.21	131	74635	50.259	ug/l	98
67) Ethyl Benzene	9.25	91	386683	54.541	ug/l	99
68) m/p-Xylenes	9.38	106	291157	101.384	ug/l	98
69) o-Xylene	9.78	106	139729	55.625	ug/l	99
70) Styrene	9.79	104	230079	49.089	ug/l	99
71) Bromoform	9.96	173	60519	52.700	ug/l #	97
73) Isopropylbenzene	10.17	105	373567	55.412	ug/l	100
74) N-amyl acetate	10.01	43	206598	52.942	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	139647	45.053	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	128026m	47.551	ug/l	
77) Bromobenzene	10.45	156	85661	51.997	ug/l	100
78) n-propylbenzene	10.59	91	447827	56.141	ug/l	100
79) 2-Chlorotoluene	10.66	91	261231	52.137	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	306553	55.086	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	35639m	42.360	ug/l	
82) 4-Chlorotoluene	10.77	91	299533	53.315	ug/l	100
83) tert-Butylbenzene	11.10	119	300030	54.532	ug/l	100
84) 1,2,4-Trimethylbenzene	11.15	105	317106	55.991	ug/l	99
85) sec-Butylbenzene	11.32	105	378168	56.307	ug/l	100
86) p-Isopropyltoluene	11.48	119	321758	51.037	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	157570	51.398	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	161419	48.311	ug/l	98
89) n-Butylbenzene	11.89	91	296414	48.591	ug/l	99
90) Hexachloroethane	12.15	117	55919	45.786	ug/l	96
91) 1,2-Dichlorobenzene	11.88	146	159124	48.863	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	31074	49.142	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	108114	57.611	ug/l	99
94) Hexachlorobutadiene	13.69	225	51522	51.888	ug/l	99
95) Naphthalene	13.74	128	367578	50.094	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	110263	54.790	ug/l	99

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

