

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U062718\
 Data File : VU024955.D
 Acq On : 27 Jun 2018 10:11
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 6/28/2018 4:37:00 PM

Quant Time: Jun 27 13:37:27 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:55:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	213801	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	308050	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	286902	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	175300	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	147573	42.28	ug/l	0.00
Spiked Amount			Recovery	=	84.56%	
35) Dibromofluoromethane	4.89	113	122669	47.98	ug/l	0.00
Spiked Amount			Recovery	=	95.96%	
50) Toluene-d8	7.57	98	417757	44.80	ug/l	0.00
Spiked Amount			Recovery	=	89.60%	
62) 4-Bromofluorobenzene	10.31	95	168898	45.62	ug/l	0.00
Spiked Amount			Recovery	=	91.24%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.21	85	111113	41.52	ug/l	99
3) Chloromethane	1.33	50	111875	40.92	ug/l	99
4) Vinyl Chloride	1.40	62	124246	44.07	ug/l	98
5) Bromomethane	1.63	94	65297	47.91	ug/l	97
6) Chloroethane	1.70	64	78781	50.00	ug/l	99
7) Trichlorofluoromethane	1.89	101	205588	47.78	ug/l	100
8) Diethyl Ether	2.10	74	76619	52.41	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	2.29	101	128698	48.21	ug/l	98
10) Methyl Iodide	2.41	142	126461	55.34	ug/l	99
11) Tert butyl alcohol	2.83	59	171306	201.80	ug/l	99
12) 1,1-Dichloroethene	2.28	96	115326	47.37	ug/l	96
13) Acrolein	2.20	56	86266	193.52	ug/l	97
14) Allyl chloride	2.60	41	222092	49.13	ug/l	92
15) Acrylonitrile	2.94	53	361119	218.65	ug/l	99
16) Acetone	2.33	43	563511	300.48	ug/l	99
17) Carbon Disulfide	2.48	76	329418	42.26	ug/l	99
18) Methyl Acetate	2.62	43	201147	50.03	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	444573	48.58	ug/l	97
20) Methylene Chloride	2.70	84	134362	45.66	ug/l	95
21) trans-1,2-Dichloroethene	2.99	96	126261	47.09	ug/l	97
22) Diisopropyl ether	3.57	45	421394	47.03	ug/l	96
23) Vinyl Acetate	3.53	43	1800190	224.28	ug/l	98
24) 1,1-Dichloroethane	3.45	63	246006	47.72	ug/l	99
25) 2-Butanone	4.26	43	633424	251.46	ug/l	96
26) 2,2-Dichloropropane	4.23	77	237961	48.62	ug/l	98
27) cis-1,2-Dichloroethene	4.23	96	148080	48.04	ug/l	99
28) Bromochloromethane	4.55	49	98073	43.20	ug/l	83
29) Tetrahydrofuran	4.64	42	330305	211.74	ug/l	95
30) Chloroform	4.68	83	253620	48.61	ug/l	98
31) Cyclohexane	5.00	56	228802	49.98	ug/l	95
32) 1,1,1-Trichloroethane	4.92	97	236911	49.10	ug/l	96
36) 1,1-Dichloropropene	5.14	75	188460	52.06	ug/l	97
37) Ethyl Acetate	4.38	43	197663	50.10	ug/l	97
38) Carbon Tetrachloride	5.14	117	214236	53.82	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	242937	53.78	ug/l	95
40) Benzene	5.39	78	535712	51.94	ug/l	100
41) Methacrylonitrile	4.54	41	109845	51.64	ug/l	98
42) 1,2-Dichloroethane	5.41	62	215414	54.83	ug/l	99
43) Isopropyl Acetate	5.55	43	319474	46.85	ug/l	98
44) Trichloroethene	6.19	130	153772	52.38	ug/l	93
45) 1,2-Dichloropropane	6.44	63	143364	52.09	ug/l	97
46) Dibromomethane	6.56	93	101074	52.28	ug/l	93
47) Bromodichloromethane	6.76	83	198353	51.53	ug/l	99
48) Methyl methacrylate	6.62	41	166220	50.05	ug/l	99
49) 1,4-Dioxane	6.63	88	74536	1147.73	ug/l	95
51) 4-Methyl-2-Pentanone	7.46	43	997547	232.83	ug/l	97
52) Toluene	7.64	92	349051	52.60	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	221637	51.27	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	231432	50.24	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	140385	52.04	ug/l	97
56) Ethyl methacrylate	8.02	69	223515	49.51	ug/l	98
57) 1,3-Dichloropropane	8.25	76	236984	52.08	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	56745	32.81	ug/l	94
59) 2-Hexanone	8.36	43	872009	249.30	ug/l	98
60) Dibromochloromethane	8.48	129	163272	48.54	ug/l	99
61) 1,2-Dibromoethane	8.59	107	155437	51.77	ug/l	100
64) Tetrachloroethene	8.23	164	142876	52.39	ug/l	98
65) Chlorobenzene	9.12	112	395976	54.03	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	149136	53.56	ug/l	97
67) Ethyl Benzene	9.25	91	692993	53.93	ug/l	98
68) m/p-Xylenes	9.38	106	536596	108.76	ug/l	98
69) o-Xylene	9.78	106	261254	53.50	ug/l	97
70) Styrene	9.80	104	423592	52.79	ug/l	99
71) Bromoform	9.96	173	130398	49.27	ug/l #	99
73) Isopropylbenzene	10.17	105	714000	53.05	ug/l	99
74) N-amyl acetate	10.01	43	292708	45.72	ug/l	97
75) 1,1,2,2-Tetrachloroethane	10.46	83	220970	48.99	ug/l	99
76) 1,2,3-Trichloropropane	10.50	75	190639m	49.40	ug/l	
77) Bromobenzene	10.45	156	182636	53.60	ug/l	94
78) n-propylbenzene	10.59	91	819972	51.72	ug/l	96
79) 2-Chlorotoluene	10.66	91	481597	51.51	ug/l	98
80) 1,3,5-Trimethylbenzene	10.78	105	619388	53.10	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	77054m	46.21	ug/l	
82) 4-Chlorotoluene	10.78	91	563607	51.79	ug/l	100
83) tert-Butylbenzene	11.10	119	607887	54.17	ug/l	100
84) 1,2,4-Trimethylbenzene	11.15	105	627344	52.77	ug/l	100
85) sec-Butylbenzene	11.33	105	741230	52.77	ug/l	98
86) p-Isopropyltoluene	11.48	119	670930	53.33	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	333999	53.06	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	336404	53.09	ug/l	99
89) n-Butylbenzene	11.89	91	573189	51.32	ug/l	98
90) Hexachloroethane	12.15	117	117531	47.89	ug/l	95
91) 1,2-Dichlorobenzene	11.88	146	337118	53.47	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	58445	46.96	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	234483	60.22	ug/l	99
94) Hexachlorobutadiene	13.70	225	124150	56.65	ug/l	99
95) Naphthalene	13.74	128	731776	56.68	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	241498	62.25	ug/l	97

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

