

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU071118\
 Data File : VU025330.D
 Acq On : 11 Jul 2018 21:33
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 7/12/2018 11:04:23 AM

Quant Time: Jul 12 05:07:06 2018
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U070918W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 10 09:34:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	180493	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	273962	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	259412	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	155847	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	128524	45.83	ug/l	0.00
Spiked Amount 50.000			Recovery =	91.66%		
35) Dibromofluoromethane	4.89	113	105330	45.58	ug/l	0.00
Spiked Amount 50.000			Recovery =	91.16%		
50) Toluene-d8	7.57	98	346421	43.77	ug/l	0.00
Spiked Amount 50.000			Recovery =	87.54%		
62) 4-Bromofluorobenzene	10.31	95	142798	44.82	ug/l	0.00
Spiked Amount 50.000			Recovery =	89.64%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	85037	45.52	ug/l	99
3) Chloromethane	1.33	50	85159	45.80	ug/l	99
4) Vinyl Chloride	1.40	62	97911	47.70	ug/l	100
5) Bromomethane	1.61	94	60353	58.51	ug/l	100
6) Chloroethane	1.69	64	64169	49.16	ug/l	96
7) Trichlorofluoromethane	1.88	101	153831	47.69	ug/l	99
8) Diethyl Ether	2.10	74	59668	49.29	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.28	101	97233	48.64	ug/l	99
10) Methyl Iodide	2.41	142	103254	46.74	ug/l	98
11) Tert butyl alcohol	2.83	59	159001	259.92	ug/l	99
12) 1,1-Dichloroethene	2.28	96	87134	47.62	ug/l	96
13) Acrolein	2.19	56	56378	139.31	ug/l	96
14) Allyl chloride	2.59	41	150161	45.26	ug/l	99
15) Acrylonitrile	2.93	53	326439	259.55	ug/l	100
16) Acetone	2.32	43	308983	216.59	ug/l	99
17) Carbon Disulfide	2.48	76	222321	41.91	ug/l	99
18) Methyl Acetate	2.62	43	162117	56.47	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	360385	51.79	ug/l	99
20) Methylene Chloride	2.70	84	110099	50.74	ug/l	96
21) trans-1,2-Dichloroethene	2.98	96	98366	47.05	ug/l	98
22) Diisopropyl ether	3.57	45	344181	50.79	ug/l	96
23) Vinyl Acetate	3.53	43	1523231	256.25	ug/l	99
24) 1,1-Dichloroethane	3.45	63	195682	51.20	ug/l	99
25) 2-Butanone	4.26	43	482596	248.29	ug/l	100
26) 2,2-Dichloropropane	4.23	77	148050	40.29	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	120286	49.72	ug/l	97
28) Bromochloromethane	4.55	49	87229	47.27	ug/l	98
29) Tetrahydrofuran	4.64	42	304823	261.47	ug/l	99
30) Chloroform	4.68	83	206858	51.11	ug/l	98
31) Cyclohexane	5.00	56	164125	46.40	ug/l	98
32) 1,1,1-Trichloroethane	4.92	97	188935	51.51	ug/l	99
36) 1,1-Dichloropropene	5.14	75	144318	47.38	ug/l	100
37) Ethyl Acetate	4.38	43	176440	51.94	ug/l	99
38) Carbon Tetrachloride	5.14	117	165120	50.37	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	171239	45.07	ug/l	97
40) Benzene	5.39	78	427823	48.74	ug/l	100
41) Methacrylonitrile	4.54	41	98174	52.13	ug/l	99
42) 1,2-Dichloroethane	5.41	62	172125	49.33	ug/l	100
43) Isopropyl Acetate	5.55	43	276545	50.84	ug/l	99
44) Trichloroethene	6.19	130	118260	46.92	ug/l	98
45) 1,2-Dichloropropane	6.44	63	113782	49.49	ug/l	100
46) Dibromomethane	6.56	93	83397	49.85	ug/l	99
47) Bromodichloromethane	6.76	83	159398	51.29	ug/l	99
48) Methyl methacrylate	6.62	41	142081	52.40	ug/l	100
49) 1,4-Dioxane	6.62	88	64143	983.05	ug/l	98
51) 4-Methyl-2-Pentanone	7.46	43	920367	260.33	ug/l	100
52) Toluene	7.64	92	275109	49.27	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	165723	48.53	ug/l	97
54) cis-1,3-Dichloropropene	7.27	75	176339	48.52	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	116223	49.97	ug/l	98
56) Ethyl methacrylate	8.02	69	184113	50.69	ug/l	98
57) 1,3-Dichloropropane	8.25	76	196015	50.77	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	339089	208.86	ug/l	100
59) 2-Hexanone	8.36	43	718847	250.67	ug/l	98
60) Dibromochloromethane	8.48	129	129403	51.52	ug/l	98
61) 1,2-Dibromoethane	8.59	107	126012	50.64	ug/l	100
64) Tetrachloroethene	8.23	164	114191	48.29	ug/l	97
65) Chlorobenzene	9.12	112	322004	49.69	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	119439	51.52	ug/l	97
67) Ethyl Benzene	9.25	91	543255	49.17	ug/l	100
68) m/p-Xylenes	9.38	106	426435	99.84	ug/l	100
69) o-Xylene	9.78	106	212266	49.64	ug/l	98
70) Styrene	9.80	104	348062	51.24	ug/l	99
71) Bromoform	9.96	173	102887	46.29	ug/l #	99
73) Isopropylbenzene	10.17	105	572355	48.07	ug/l	99
74) N-amyl acetate	10.01	43	249357	51.13	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	194989	50.05	ug/l	98
76) 1,2,3-Trichloropropane	10.50	75	176501m	54.75	ug/l	
77) Bromobenzene	10.46	156	148373	48.71	ug/l	98
78) n-propylbenzene	10.59	91	638217	48.30	ug/l	99
79) 2-Chlorotoluene	10.66	91	390751	51.50	ug/l	99
80) 1,3,5-Trimethylbenzene	10.78	105	487161	48.62	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	58171m	46.85	ug/l	
82) 4-Chlorotoluene	10.78	91	447810	47.86	ug/l	100
83) tert-Butylbenzene	11.10	119	492375	48.63	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	495938	48.30	ug/l	99
85) sec-Butylbenzene	11.33	105	584629	49.04	ug/l	100
86) p-Isopropyltoluene	11.48	119	520281	49.29	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	266084	47.79	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	263585	48.52	ug/l	99
89) n-Butylbenzene	11.89	91	422811	48.72	ug/l	99
90) Hexachloroethane	12.15	117	88486	49.51	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	277073	49.28	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	49337	52.22	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	176700	47.13	ug/l	99
94) Hexachlorobutadiene	13.70	225	92056	45.78	ug/l	99
95) Naphthalene	13.74	128	589426	51.44	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	182298	47.81	ug/l	100

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

