

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071218\
 Data File : VU025332.D
 Acq On : 12 Jul 2018 11:36
 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
 7/13/2018 11:44:08 AM

Quant Time: Jul 13 01:20:34 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	174498	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	256435	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	241135	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	147650	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	121989	45.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.00%	
35) Dibromofluoromethane	4.89	113	100897	46.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.28%	
50) Toluene-d8	7.57	98	331705	44.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.56%	
62) 4-Bromofluorobenzene	10.31	95	137038	45.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.90%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.21	85	78096	43.245	ug/l	100
3) Chloromethane	1.33	50	77634	43.224	ug/l	99
4) Vinyl Chloride	1.40	62	88151	44.420	ug/l	100
5) Bromomethane	1.62	94	52720	52.284	ug/l	99
6) Chloroethane	1.70	64	58059	46.028	ug/l	99
7) Trichlorofluoromethane	1.89	101	146068	46.834	ug/l	98
8) Diethyl Ether	2.10	74	56100	47.933	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.29	101	87783	45.419	ug/l	99
10) Methyl Iodide	2.41	142	84936	40.918	ug/l	99
11) Tert butyl alcohol	2.83	59	133945	226.481	ug/l	100
12) 1,1-Dichloroethene	2.28	96	78892	44.601	ug/l	97
13) Acrolein	2.19	56	47882	122.380	ug/l	98
14) Allyl chloride	2.59	41	161127	50.229	ug/l	92
15) Acrylonitrile	2.94	53	286739	235.820	ug/l	99
16) Acetone	2.32	43	318828	230.847	ug/l	100
17) Carbon Disulfide	2.48	76	206878	40.408	ug/l	100
18) Methyl Acetate	2.62	43	146075	52.626	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	338856	50.364	ug/l	98
20) Methylene Chloride	2.70	84	100738	48.059	ug/l	97
21) trans-1,2-Dichloroethene	2.99	96	91646	45.339	ug/l	98
22) Diisopropyl ether	3.57	45	329593	50.311	ug/l	96
23) Vinyl Acetate	3.53	43	1408554	245.097	ug/l	100
24) 1,1-Dichloroethane	3.45	63	184387	49.906	ug/l	100
25) 2-Butanone	4.26	43	439352	233.812	ug/l	100
26) 2,2-Dichloropropane	4.23	77	174371	49.085	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	110448	47.225	ug/l	98
28) Bromochloromethane	4.55	49	84032	47.101	ug/l	99
29) Tetrahydrofuran	4.64	42	258781	229.599	ug/l	99
30) Chloroform	4.68	83	195548	49.978	ug/l	98
31) Cyclohexane	5.00	56	157166	45.961	ug/l	100
32) 1,1,1-Trichloroethane	4.92	97	177187	49.969	ug/l	100
36) 1,1-Dichloropropene	5.14	75	133856	46.953	ug/l	98
37) Ethyl Acetate	4.38	43	153218	48.191	ug/l	100
38) Carbon Tetrachloride	5.14	117	157127	51.207	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	167777	47.181	ug/l	100
40) Benzene	5.39	78	400129	48.703	ug/l	100
41) Methacrylonitrile	4.55	41	86839	49.263	ug/l	98
42) 1,2-Dichloroethane	5.41	62	165292	50.614	ug/l	99
43) Isopropyl Acetate	5.55	43	251664	49.429	ug/l	100
44) Trichloroethene	6.19	130	111539	47.282	ug/l	99
45) 1,2-Dichloropropane	6.44	63	107696	50.048	ug/l	99
46) Dibromomethane	6.56	93	77644	49.582	ug/l	99
47) Bromodichloromethane	6.76	83	150734	51.815	ug/l	98
48) Methyl methacrylate	6.62	41	128079	50.461	ug/l	99
49) 1,4-Dioxane	6.62	88	61281	1003.377	ug/l	98
51) 4-Methyl-2-Pentanone	7.46	43	804214	243.023	ug/l	99
52) Toluene	7.64	92	258673	49.489	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	163655	51.203	ug/l	97
54) cis-1,3-Dichloropropene	7.27	75	170334	50.073	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	109821	50.449	ug/l	97
56) Ethyl methacrylate	8.02	69	169558	49.870	ug/l	99
57) 1,3-Dichloropropane	8.25	76	182944	50.624	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	279062	181.655	ug/l	100
59) 2-Hexanone	8.36	43	636230	237.027	ug/l	99
60) Dibromochloromethane	8.48	129	124804	53.087	ug/l	99
61) 1,2-Dibromoethane	8.59	107	117634	50.503	ug/l	100
64) Tetrachloroethene	8.23	164	107168	48.755	ug/l	97
65) Chlorobenzene	9.12	112	299129	49.658	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	114511	53.143	ug/l	99
67) Ethyl Benzene	9.25	91	516243	50.269	ug/l	100
68) m/p-Xylenes	9.38	106	402270	101.318	ug/l	100
69) o-Xylene	9.78	106	197598	49.711	ug/l	96
70) Styrene	9.80	104	325288	51.519	ug/l	99
71) Bromoform	9.96	173	94209	45.662	ug/l #	98
73) Isopropylbenzene	10.17	105	542422	48.082	ug/l	100
74) N-amyl acetate	10.01	43	224234	48.598	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	176244	47.752	ug/l	99
76) 1,2,3-Trichloropropane	10.50	75	152436m	49.994	ug/l	
77) Bromobenzene	10.45	156	137533	47.653	ug/l	99
78) n-propylbenzene	10.59	91	616090	49.215	ug/l	100
79) 2-Chlorotoluene	10.66	91	369108	51.348	ug/l	100
80) 1,3,5-Trimethylbenzene	10.78	105	468002	49.301	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.51	75	56743m	48.239	ug/l	
82) 4-Chlorotoluene	10.78	91	423042	47.725	ug/l	100
83) tert-Butylbenzene	11.10	119	468317	48.821	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	476989	49.029	ug/l	100
85) sec-Butylbenzene	11.33	105	565780	50.093	ug/l	100
86) p-Isopropyltoluene	11.48	119	502922	50.288	ug/l	100
87) 1,3-Dichlorobenzene	11.42	146	255102	48.365	ug/l	100
88) 1,4-Dichlorobenzene	11.51	146	254982	49.507	ug/l	99
89) n-Butylbenzene	11.89	91	416352	50.644	ug/l	99
90) Hexachloroethane	12.15	117	83240	49.156	ug/l	100
91) 1,2-Dichlorobenzene	11.88	146	262951	49.363	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	45129	50.414	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	171896	48.309	ug/l	99
94) Hexachlorobutadiene	13.70	225	93696	49.180	ug/l	99
95) Naphthalene	13.74	128	535451	49.421	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	180166	49.760	ug/l	99

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

