

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092018\
 Data File : VU026923.D
 Acq On : 20 Sep 2018 01:28
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/21/2018 4:12:36 PM

Quant Time: Sep 20 08:10:49 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U091218W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 12 05:32:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	92832	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	136061	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	129547	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	82590	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	63905	45.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.76%	
35) Dibromofluoromethane	4.88	113	55334	49.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.72%	
50) Toluene-d8	7.57	98	202952	49.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.88%	
62) 4-Bromofluorobenzene	10.31	95	73763	49.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.16%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	52292	52.138	ug/l	99
3) Chloromethane	1.32	50	61015	43.543	ug/l	99
4) Vinyl Chloride	1.40	62	66955	46.108	ug/l	99
5) Bromomethane	1.61	94	48054	52.834	ug/l	100
6) Chloroethane	1.69	64	42588	46.083	ug/l	99
7) Trichlorofluoromethane	1.88	101	87549	46.119	ug/l	100
8) Diethyl Ether	2.10	74	38737	46.567	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	2.28	101	52788	46.824	ug/l	97
10) Methyl Iodide	2.41	142	37297	38.736	ug/l	98
11) Tert butyl alcohol	2.83	59	69505	202.492	ug/l	100
12) 1,1-Dichloroethene	2.28	96	51512	48.333	ug/l	98
13) Acrolein	2.19	56	71711	310.015	ug/l	100
14) Allyl chloride	2.59	41	85275	44.425	ug/l	95
15) Acrylonitrile	2.94	53	178154	242.017	ug/l	100
16) Acetone	2.32	43	154555	193.852	ug/l	98
17) Carbon Disulfide	2.48	76	154103	45.445	ug/l	99
18) Methyl Acetate	2.61	43	86960	50.550	ug/l	97
19) Methyl tert-butyl Ether	3.00	73	180461	49.178	ug/l	98
20) Methylene Chloride	2.70	84	62145	48.054	ug/l	98
21) trans-1,2-Dichloroethene	2.98	96	55193	49.159	ug/l	97
22) Diisopropyl ether	3.57	45	189546	47.314	ug/l	99
23) Vinyl Acetate	3.52	43	792755	232.955	ug/l	97
24) 1,1-Dichloroethane	3.45	63	107215	47.443	ug/l	97
25) 2-Butanone	4.26	43	233525	217.440	ug/l	98
26) 2,2-Dichloropropane	4.23	77	67606	36.395	ug/l	99
27) cis-1,2-Dichloroethene	4.22	96	62409	48.230	ug/l	95
28) Bromochloromethane	4.55	49	49154	45.486	ug/l	91
29) Tetrahydrofuran	4.64	42	151688	234.269	ug/l	98
30) Chloroform	4.67	83	106184	47.781	ug/l	97
31) Cyclohexane	5.00	56	94720	45.876	ug/l	97
32) 1,1,1-Trichloroethane	4.92	97	90931	49.420	ug/l	98
36) 1,1-Dichloropropene	5.14	75	78076	51.109	ug/l	99
37) Ethyl Acetate	4.38	43	85055	46.301	ug/l	99
38) Carbon Tetrachloride	5.13	117	81046	50.215	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	90271	49.770	ug/l	97
40) Benzene	5.39	78	240153	50.621	ug/l	100
41) Methacrylonitrile	4.54	41	48406	46.809	ug/l	98
42) 1,2-Dichloroethane	5.40	62	82547	48.796	ug/l	97
43) Isopropyl Acetate	5.55	43	133350	47.674	ug/l	98
44) Trichloroethene	6.19	130	62164	52.944	ug/l	95
45) 1,2-Dichloropropane	6.43	63	63197	49.003	ug/l	96
46) Dibromomethane	6.56	93	41661	50.059	ug/l	91
47) Bromodichloromethane	6.76	83	82190	50.153	ug/l	99
48) Methyl methacrylate	6.62	41	68567	44.991	ug/l	96
49) 1,4-Dioxane	6.61	88	33448	955.727	ug/l	97
51) 4-Methyl-2-Pentanone	7.46	43	441953	236.217	ug/l	96
52) Toluene	7.64	92	150106	53.118	ug/l	95
53) t-1,3-Dichloropropene	7.88	75	87683	48.237	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	94603	48.467	ug/l	96
55) 1,1,2-Trichloroethane	8.07	97	61636	50.907	ug/l	97
56) Ethyl methacrylate	8.02	69	90560	44.719	ug/l	94
57) 1,3-Dichloropropane	8.24	76	105377	51.063	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	208565	215.993	ug/l	95
59) 2-Hexanone	8.36	43	338177	229.669	ug/l	95
60) Dibromochloromethane	8.48	129	66824	50.960	ug/l	99
61) 1,2-Dibromoethane	8.59	107	65611	49.943	ug/l	100
64) Tetrachloroethene	8.23	164	58056	56.306	ug/l	96
65) Chlorobenzene	9.12	112	164374	51.071	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	61691	52.095	ug/l	98
67) Ethyl Benzene	9.25	91	277305	52.304	ug/l	100
68) m/p-Xylenes	9.38	106	223640	110.886	ug/l	95
69) o-Xylene	9.78	106	105861	49.149	ug/l	97
70) Styrene	9.79	104	180404	49.709	ug/l	98
71) Bromoform	9.96	173	53808	52.244	ug/l #	99
73) Isopropylbenzene	10.17	105	286441	50.896	ug/l	100
74) N-amyl acetate	10.02	43	118839	44.726	ug/l	95
75) 1,1,2,2-Tetrachloroethane	10.46	83	100475	43.805	ug/l	100
76) 1,2,3-Trichloropropane	10.49	75	86353m	46.676	ug/l	
77) Bromobenzene	10.45	156	77534	50.689	ug/l	94
78) n-propylbenzene	10.59	91	328160	50.133	ug/l	99
79) 2-Chlorotoluene	10.66	91	194980	48.052	ug/l	98
80) 1,3,5-Trimethylbenzene	10.77	105	240173	50.770	ug/l	97
81) trans-1,4-Dichloro-2-buten	10.51	75	25312m	45.948	ug/l	
82) 4-Chlorotoluene	10.77	91	225562	49.476	ug/l	98
83) tert-Butylbenzene	11.10	119	239764	49.942	ug/l	97
84) 1,2,4-Trimethylbenzene	11.15	105	248588	52.100	ug/l	98
85) sec-Butylbenzene	11.32	105	290022	50.870	ug/l	99
86) p-Isopropyltoluene	11.48	119	262177	47.881	ug/l	98
87) 1,3-Dichlorobenzene	11.42	146	141267	49.505	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	143738	48.502	ug/l	99
89) n-Butylbenzene	11.89	91	215174	43.094	ug/l	96
90) Hexachloroethane	12.15	117	45024	44.754	ug/l	91
91) 1,2-Dichlorobenzene	11.88	146	142589	49.674	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	21122	45.932	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	100369	52.653	ug/l	99
94) Hexachlorobutadiene	13.69	225	52553	53.590	ug/l	98
95) Naphthalene	13.74	128	311299	48.574	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	106023	53.256	ug/l	99

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

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