

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U100118\
 Data File : VU027312.D
 Acq On : 01 Oct 2018 10:30
 Operator : MD/SY
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 10/3/2018 11:41:43 AM

Quant Time: Oct 01 23:36:29 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U100118W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 01 23:17:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	111130	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	193269	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	174770	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	79097	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	9138	5.18	ug/l	0.00
Spiked Amount 50.000			Recovery =	10.36%		
35) Dibromofluoromethane	4.89	113	6407	5.04	ug/l	0.00
Spiked Amount 50.000			Recovery =	10.08%		
50) Toluene-d8	7.57	98	23672	4.78	ug/l	0.00
Spiked Amount 50.000			Recovery =	9.56%		
62) 4-Bromofluorobenzene	10.31	95	8319	4.59	ug/l	0.00
Spiked Amount 50.000			Recovery =	9.18%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.21	85	6670	4.163	ug/l	98
3) Chloromethane	1.33	50	9793	4.515	ug/l	98
4) Vinyl Chloride	1.40	62	9448	4.634	ug/l	99
5) Bromomethane	1.62	94	4176	4.733	ug/l	100
6) Chloroethane	1.69	64	6119	4.994	ug/l	98
7) Trichlorofluoromethane	1.88	101	9527	4.605	ug/l	97
8) Diethyl Ether	2.10	74	4694	4.925	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.29	101	5883	4.896	ug/l	99
10) Methyl Iodide	2.41	142	2312	2.643	ug/l	97
11) Tert butyl alcohol	2.83	59	9889	25.306	ug/l	96
12) 1,1-Dichloroethene	2.29	96	5823	4.961	ug/l	98
13) Acrolein	2.20	56	9021	27.511	ug/l	96
14) Allyl chloride	2.59	41	13202	4.736	ug/l	99
15) Acrylonitrile	2.94	53	24314	23.906	ug/l	99
16) Acetone	2.32	43	28405	25.911	ug/l	99
17) Carbon Disulfide	2.48	76	20540	4.852	ug/l	99
18) Methyl Acetate	2.62	43	11890	4.754	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	22537	4.792	ug/l	99
20) Methylene Chloride	2.70	84	7421	4.860	ug/l	97
21) trans-1,2-Dichloroethene	2.98	96	6523	4.950	ug/l	96
22) Diisopropyl ether	3.57	45	27761	4.900	ug/l #	88
23) Vinyl Acetate	3.53	43	113660	22.971	ug/l	100
24) 1,1-Dichloroethane	3.45	63	14301	4.910	ug/l	97
25) 2-Butanone	4.27	43	37507	25.090	ug/l	99
26) 2,2-Dichloropropane	4.23	77	11842	4.948	ug/l	98
27) cis-1,2-Dichloroethene	4.23	96	7024	4.660	ug/l	96
28) Bromochloromethane	4.55	49	7303	5.197	ug/l #	96
29) Tetrahydrofuran	4.64	42	21959	23.308	ug/l	98
30) Chloroform	4.67	83	12544	4.847	ug/l	94
31) Cyclohexane	4.99	56	16062	4.716	ug/l #	85
32) 1,1,1-Trichloroethane	4.92	97	10695	4.907	ug/l	98
36) 1,1-Dichloropropene	5.14	75	9996	4.763	ug/l	97
37) Ethyl Acetate	4.39	43	12136	4.690	ug/l	97
38) Carbon Tetrachloride	5.14	117	9087	4.794	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	11264	4.592	ug/l	95
40) Benzene	5.39	78	29113	4.763	ug/l	98
41) Methacrylonitrile	4.55	41	7057	4.604	ug/l	97
42) 1,2-Dichloroethane	5.40	62	11173	4.924	ug/l	98
43) Isopropyl Acetate	5.55	43	19664	4.668	ug/l	99
44) Trichloroethene	6.19	130	6422	4.712	ug/l	97
45) 1,2-Dichloropropane	6.43	63	8316	4.717	ug/l	99
46) Dibromomethane	6.57	93	4738	4.758	ug/l	96
47) Bromodichloromethane	6.76	83	9572	4.633	ug/l	98
48) Methyl methacrylate	6.62	41	9264	4.423	ug/l	96
49) 1,4-Dioxane	6.62	88	3441	95.478	ug/l	95
51) 4-Methyl-2-Pentanone	7.46	43	63929	23.357	ug/l	99
52) Toluene	7.64	92	16984	4.694	ug/l	97
53) t-1,3-Dichloropropene	7.88	75	10995	4.539	ug/l	97
54) cis-1,3-Dichloropropene	7.27	75	11989	4.604	ug/l	96
55) 1,1,2-Trichloroethane	8.07	97	6773	4.722	ug/l	94
56) Ethyl methacrylate	8.02	69	10203	4.286	ug/l	97
57) 1,3-Dichloropropane	8.24	76	13100	4.704	ug/l	94
58) 2-Chloroethyl Vinyl ether	7.13	63	27650	20.791	ug/l	99
59) 2-Hexanone	8.37	43	48518	22.851	ug/l	99
60) Dibromochloromethane	8.48	129	6654	4.625	ug/l	97
61) 1,2-Dibromoethane	8.59	107	7020	4.603	ug/l	99
64) Tetrachloroethene	8.23	164	5245	4.821	ug/l	95
65) Chlorobenzene	9.12	112	17771	4.831	ug/l	95
66) 1,1,1,2-Tetrachloroethane	9.21	131	6077	4.785	ug/l	99
67) Ethyl Benzene	9.25	91	29486	4.524	ug/l	99
68) m/p-Xylenes	9.38	106	21392	8.973	ug/l	99
69) o-Xylene	9.78	106	10361	4.573	ug/l	100
70) Styrene	9.79	104	15274	4.105	ug/l	97
71) Bromoform	9.96	173	4777	4.675	ug/l #	99
73) Isopropylbenzene	10.17	105	27120	4.721	ug/l	100
74) N-amyl acetate	10.02	43	15181	4.616	ug/l	96
75) 1,1,2,2-Tetrachloroethane	10.46	83	11967	5.305	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	11407m	5.173	ug/l	
77) Bromobenzene	10.46	156	6492	4.863	ug/l	97
78) n-propylbenzene	10.59	91	31717	4.595	ug/l	99
79) 2-Chlorotoluene	10.66	91	20442	4.905	ug/l	98
80) 1,3,5-Trimethylbenzene	10.77	105	21620	4.623	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.51	75	3610m	4.219	ug/l	
82) 4-Chlorotoluene	10.77	91	22280	4.711	ug/l	99
83) tert-Butylbenzene	11.10	119	21209	4.691	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	21926	4.589	ug/l	99
85) sec-Butylbenzene	11.32	105	25804	4.529	ug/l	97
86) p-Isopropyltoluene	11.48	119	22016	4.514	ug/l	97
87) 1,3-Dichlorobenzene	11.42	146	12039	4.762	ug/l	98
88) 1,4-Dichlorobenzene	11.51	146	12568	4.865	ug/l	93
89) n-Butylbenzene	11.89	91	19037	4.184	ug/l	99
90) Hexachloroethane	12.15	117	4611	5.015	ug/l	96
91) 1,2-Dichlorobenzene	11.88	146	11801	4.796	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	12.66	75	2528	5.057	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	6869	4.314	ug/l	99
94) Hexachlorobutadiene	13.69	225	3927	4.881	ug/l	99
95) Naphthalene	13.75	128	21558	4.038	ug/l	98
96) 1,2,3-Trichlorobenzene	13.99	180	7110	4.286	ug/l	97

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

