

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082819\
 Data File : VU033973.D
 Acq On : 27 Aug 2019 15:07
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 8/28/2019 9:57:41 AM

Quant Time: Aug 28 02:17:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U082819W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 28 01:57:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.96	168	351478	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	531828	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	508287	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.47	152	255618	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.29	65	21034	4.29	ug/l	0.00
Spiked Amount 50.000			Recovery	=	8.58%	
35) Dibromofluoromethane	4.86	113	19396	5.18	ug/l	0.00
Spiked Amount 50.000			Recovery	=	10.36%	
50) Toluene-d8	7.55	98	60661	4.39	ug/l	0.00
Spiked Amount 50.000			Recovery	=	8.78%	
62) 4-Bromofluorobenzene	10.29	95	26234	4.97	ug/l	0.00
Spiked Amount 50.000			Recovery	=	9.94%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	15504	3.891	ug/l	100
3) Chloromethane	1.32	50	20971	4.398	ug/l	100
4) Vinyl Chloride	1.40	62	17349	3.353	ug/l	90
5) Bromomethane	1.60	94	11172	3.942	ug/l	90
6) Chloroethane	1.68	64	10677	3.281	ug/l	94
7) Trichlorofluoromethane	1.87	101	23648	3.758	ug/l	100
8) Diethyl Ether	2.09	74	8678	3.254	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	2.27	101	15057	4.073	ug/l	99
10) Methyl Iodide	2.40	142	18625	4.521	ug/l	97
11) Tert butyl alcohol	2.82	59	30920	29.924	ug/l #	94
12) 1,1-Dichloroethene	2.27	96	16083	4.239	ug/l	97
13) Acrolein	2.18	56	9398	16.766	ug/l	95
14) Allyl chloride	2.58	41	28049	4.106	ug/l	99
15) Acrylonitrile	2.92	53	51036	19.317	ug/l	99
16) Acetone	2.31	43	48847	17.155	ug/l	97
17) Carbon Disulfide	2.46	76	49830	3.999	ug/l	100
18) Methyl Acetate	2.60	43	23557	3.702	ug/l	98
19) Methyl tert-butyl Ether	2.98	73	51911	4.295	ug/l	99
20) Methylene Chloride	2.68	84	19989	4.264	ug/l	99
21) trans-1,2-Dichloroethene	2.96	96	17626	4.221	ug/l	93
22) Diisopropyl ether	3.55	45	51569	3.994	ug/l	90
23) Vinyl Acetate	3.50	43	204937	19.269	ug/l	100
24) 1,1-Dichloroethane	3.42	63	33200	4.146	ug/l	99
25) 2-Butanone	4.24	43	67717	18.429	ug/l	98
26) 2,2-Dichloropropane	4.20	77	27333	4.195	ug/l	100
27) cis-1,2-Dichloroethene	4.20	96	19916	4.433	ug/l	100
28) Bromochloromethane	4.52	49	15587	3.976	ug/l	98
29) Tetrahydrofuran	4.62	42	42362	19.128	ug/l	96
30) Chloroform	4.65	83	33611	4.206	ug/l	94
31) Cyclohexane	4.97	56	32825	4.689	ug/l #	89
32) 1,1,1-Trichloroethane	4.89	97	26852	4.094	ug/l	96
36) 1,1-Dichloropropene	5.12	75	23262	4.332	ug/l	98
37) Ethyl Acetate	4.37	43	22136	3.549	ug/l	99
38) Carbon Tetrachloride	5.11	117	25013	4.624	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.40	83	27319	4.565	ug/l	97
40) Benzene	5.37	78	73543	4.604	ug/l	96
41) Methacrylonitrile	4.53	41	11693	3.736	ug/l	94
42) 1,2-Dichloroethane	5.39	62	24949	4.274	ug/l	100
43) Isopropyl Acetate	5.53	43	36342	3.984	ug/l	97
44) Trichloroethene	6.17	130	21222	5.030	ug/l	100
45) 1,2-Dichloropropane	6.41	63	19574	4.444	ug/l	94
46) Dibromomethane	6.54	93	13047	4.565	ug/l	99
47) Bromodichloromethane	6.74	83	25311	4.414	ug/l	99
48) Methyl methacrylate	6.61	41	16341	3.986	ug/l	98
49) 1,4-Dioxane	6.60	88	8922	92.165	ug/l #	97
51) 4-Methyl-2-Pentanone	7.44	43	128433	20.786	ug/l	98
52) Toluene	7.62	92	46591	4.994	ug/l	97
53) t-1,3-Dichloropropene	7.86	75	25770	4.339	ug/l	97
54) cis-1,3-Dichloropropene	7.25	75	28313	4.279	ug/l	98
55) 1,1,2-Trichloroethane	8.05	97	19903	4.865	ug/l	98
56) Ethyl methacrylate	8.01	69	25312	4.554	ug/l	99
57) 1,3-Dichloropropane	8.22	76	30210	4.271	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.11	63	39925	20.125	ug/l	98
59) 2-Hexanone	8.35	43	96947	20.575	ug/l	95
60) Dibromochloromethane	8.46	129	20910	4.842	ug/l	100
61) 1,2-Dibromoethane	8.57	107	20040	4.713	ug/l	100
64) Tetrachloroethene	8.21	164	20905	5.570	ug/l	98
65) Chlorobenzene	9.10	112	53124	5.064	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.19	131	19622	5.039	ug/l	99
67) Ethyl Benzene	9.23	91	84761	4.948	ug/l	99
68) m/p-Xylenes	9.36	106	63647	10.037	ug/l	99
69) o-Xylene	9.76	106	31463	5.187	ug/l	98
70) Styrene	9.78	104	50392	4.810	ug/l	99
71) Bromoform	9.94	173	16760	5.091	ug/l #	100
73) Isopropylbenzene	10.15	105	82678	5.246	ug/l	100
74) N-amyl acetate	10.00	43	29559	4.466	ug/l	96
75) 1,1,2,2-Tetrachloroethane	10.44	83	32130	4.869	ug/l	98
76) 1,2,3-Trichloropropane	10.48	75	27160m	4.675	ug/l	
77) Bromobenzene	10.44	156	24099	5.666	ug/l	99
78) n-propylbenzene	10.57	91	91251	4.895	ug/l	98
79) 2-Chlorotoluene	10.64	91	58383	5.220	ug/l	100
80) 1,3,5-Trimethylbenzene	10.76	105	68472	5.078	ug/l	97
81) trans-1,4-Dichloro-2-buten	10.49	75	9521m	4.485	ug/l	
82) 4-Chlorotoluene	10.76	91	65441	4.986	ug/l	100
83) tert-Butylbenzene	11.08	119	67352	5.334	ug/l	97
84) 1,2,4-Trimethylbenzene	11.13	105	66634	5.086	ug/l	100
85) sec-Butylbenzene	11.31	105	80001	5.072	ug/l	99
86) p-Isopropyltoluene	11.46	119	74823	5.205	ug/l	99
87) 1,3-Dichlorobenzene	11.40	146	41333	5.156	ug/l	98
88) 1,4-Dichlorobenzene	11.49	146	40528	4.895	ug/l	93
89) n-Butylbenzene	11.87	91	57828	4.509	ug/l	97
90) Hexachloroethane	12.13	117	11757	4.251	ug/l	98
91) 1,2-Dichlorobenzene	11.86	146	39719	5.164	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.64	75	5597	4.125	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.49	180	19800m	4.264	ug/l	
94) Hexachlorobutadiene	13.68	225	15900	5.437	ug/l	97
95) Naphthalene	13.74	128	43972	3.461	ug/l	99
96) 1,2,3-Trichlorobenzene	13.98	180	21610m	4.630	ug/l	

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

