

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082819\
 Data File : VU033978.D
 Acq On : 27 Aug 2019 17:06
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU082819

Manual Integrations
 APPROVED

MMDadoda
 8/28/2019 9:58:01 AM

Quant Time: Aug 28 04:14:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U082819W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 28 02:42:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.96	168	356775	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	528241	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	509425	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.47	152	273508	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	199686	50.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.76%	
35) Dibromofluoromethane	4.86	113	178239	50.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.40%	
50) Toluene-d8	7.55	98	688020	52.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.06%	
62) 4-Bromofluorobenzene	10.29	95	262134	52.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.36%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	177972	49.595	ug/l	97
3) Chloromethane	1.32	50	214474	55.092	ug/l	99
4) Vinyl Chloride	1.40	62	177331	49.499	ug/l	99
5) Bromomethane	1.60	94	115648	53.113	ug/l	98
6) Chloroethane	1.68	64	100548	47.139	ug/l	99
7) Trichlorofluoromethane	1.87	101	231796	49.174	ug/l	99
8) Diethyl Ether	2.09	74	89278	49.931	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.27	101	148674	49.386	ug/l	99
10) Methyl Iodide	2.39	142	222369	49.324	ug/l	99
11) Tert butyl alcohol	2.82	59	240489	234.250	ug/l #	85
12) 1,1-Dichloroethene	2.27	96	153528	48.860	ug/l	98
13) Acrolein	2.18	56	82386	252.692	ug/l	99
14) Allyl chloride	2.58	41	279228m	50.189	ug/l	
15) Acrylonitrile	2.92	53	536747	258.624	ug/l	99
16) Acetone	2.31	43	426150	224.617	ug/l	99
17) Carbon Disulfide	2.46	76	505918	49.031	ug/l	100
18) Methyl Acetate	2.60	43	237992	50.930	ug/l	99
19) Methyl tert-butyl Ether	2.98	73	547781	51.895	ug/l	100
20) Methylene Chloride	2.68	84	189924	47.184	ug/l	99
21) trans-1,2-Dichloroethene	2.96	96	176779	49.344	ug/l	98
22) Diisopropyl ether	3.55	45	522156	51.081	ug/l	96
23) Vinyl Acetate	3.50	43	2305572	265.488	ug/l	100
24) 1,1-Dichloroethane	3.42	63	317229	49.567	ug/l	99
25) 2-Butanone	4.23	43	703183	258.562	ug/l	99
26) 2,2-Dichloropropane	4.20	77	261024	48.235	ug/l	100
27) cis-1,2-Dichloroethene	4.20	96	204163	50.908	ug/l	97
28) Bromochloromethane	4.52	49	136927	46.501	ug/l	99
29) Tetrahydrofuran	4.61	42	443020	260.442	ug/l	99
30) Chloroform	4.65	83	312867	47.741	ug/l	98
31) Cyclohexane	4.97	56	287029	49.113	ug/l	99
32) 1,1,1-Trichloroethane	4.89	97	275366	49.911	ug/l	99
36) 1,1-Dichloropropene	5.11	75	237263	49.040	ug/l	99
37) Ethyl Acetate	4.36	43	252907	52.116	ug/l	99
38) Carbon Tetrachloride	5.11	117	247678	50.232	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.40	83	292317	51.060	ug/l	98
40) Benzene	5.37	78	725436	50.430	ug/l	99
41) Methacrylonitrile	4.52	41	136595	54.321	ug/l	99
42) 1,2-Dichloroethane	5.38	62	239733	49.283	ug/l	100
43) Isopropyl Acetate	5.53	43	393332	52.863	ug/l	100
44) Trichloroethene	6.16	130	204603	49.884	ug/l	100
45) 1,2-Dichloropropane	6.41	63	193869	50.375	ug/l	97
46) Dibromomethane	6.54	93	131119	50.097	ug/l	99
47) Bromodichloromethane	6.74	83	252597	50.671	ug/l	99
48) Methyl methacrylate	6.60	41	194371	54.943	ug/l	98
49) 1,4-Dioxane	6.59	88	103810	1069.228	ug/l #	96
51) 4-Methyl-2-Pentanone	7.44	43	1340860	261.368	ug/l	99
52) Toluene	7.62	92	471597	51.992	ug/l	99
53) t-1,3-Dichloropropene	7.86	75	287447	52.143	ug/l	99
54) cis-1,3-Dichloropropene	7.25	75	310383	52.085	ug/l	99
55) 1,1,2-Trichloroethane	8.05	97	193060	50.372	ug/l	99
56) Ethyl methacrylate	8.00	69	300041	49.675	ug/l	99
57) 1,3-Dichloropropane	8.22	76	320928	51.380	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.11	63	540977	241.361	ug/l	99
59) 2-Hexanone	8.34	43	1040252	263.806	ug/l	99
60) Dibromochloromethane	8.46	129	218108	50.605	ug/l	100
61) 1,2-Dibromoethane	8.57	107	207355	51.227	ug/l	99
64) Tetrachloroethene	8.21	164	197562	48.233	ug/l	97
65) Chlorobenzene	9.10	112	528903	50.421	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.19	131	194253	49.668	ug/l	100
67) Ethyl Benzene	9.23	91	906262	51.815	ug/l	100
68) m/p-Xylenes	9.36	106	709665	105.208	ug/l	100
69) o-Xylene	9.76	106	342794	53.156	ug/l	100
70) Styrene	9.77	104	597319	54.118	ug/l	100
71) Bromoform	9.94	173	178802	51.645	ug/l #	99
73) Isopropylbenzene	10.15	105	932000	52.946	ug/l	99
74) N-amyl acetate	10.00	43	367716	55.650	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.44	83	314832	49.658	ug/l	99
76) 1,2,3-Trichloropropane	10.48	75	275776m	50.605	ug/l	
77) Bromobenzene	10.43	156	250366	50.332	ug/l	98
78) n-propylbenzene	10.57	91	1064080	53.304	ug/l	99
79) 2-Chlorotoluene	10.64	91	628301	52.160	ug/l	99
80) 1,3,5-Trimethylbenzene	10.75	105	804326	53.351	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.49	75	98819m	51.937	ug/l	
82) 4-Chlorotoluene	10.75	91	725170	52.005	ug/l	100
83) tert-Butylbenzene	11.08	119	779957	53.296	ug/l	100
84) 1,2,4-Trimethylbenzene	11.13	105	799686	54.030	ug/l	99
85) sec-Butylbenzene	11.31	105	932830	53.407	ug/l	100
86) p-Isopropyltoluene	11.46	119	875454	53.550	ug/l	100
87) 1,3-Dichlorobenzene	11.40	146	444277	50.347	ug/l	99
88) 1,4-Dichlorobenzene	11.49	146	437771	49.154	ug/l	99
89) n-Butylbenzene	11.87	91	749581	54.860	ug/l	100
90) Hexachloroethane	12.13	117	140225	51.858	ug/l	97
91) 1,2-Dichlorobenzene	11.86	146	437226	50.335	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.64	75	69897	55.039	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.49	180	310606	50.812	ug/l	100
94) Hexachlorobutadiene	13.68	225	180815	50.775	ug/l	97
95) Naphthalene	13.73	128	905274	53.469	ug/l	100
96) 1,2,3-Trichlorobenzene	13.97	180	310472	55.935	ug/l	100

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

