

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082719\
 Data File : VU033956.D
 Acq On : 26 Aug 2019 17:50
 Operator : JC/SP
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda

Quant Time: Aug 27 06:31:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U082719W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 27 05:48:22 2019
 Response via : Initial Calibration

Internal Standards R.T. QIon Response Conc Units Dev(Min) 8/27/2019 12:17:01 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.95	168	385572	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	618958	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	612831	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	327767	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.28	65	250431	43.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.00%	
35) Dibromofluoromethane	4.86	113	194571	49.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.52%	
50) Toluene-d8	7.54	98	746281	48.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.14%	
62) 4-Bromofluorobenzene	10.29	95	274379	47.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.52%	

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	230919	45.520	ug/l	100
3) Chloromethane	1.32	50	277102	31.115	ug/l	100
4) Vinyl Chloride	1.39	62	300520	44.730	ug/l	100
5) Bromomethane	1.60	94	144070	51.162	ug/l	100
6) Chloroethane	1.68	64	184659	48.110	ug/l	100
7) Trichlorofluoromethane	1.87	101	347802	48.280	ug/l	100
8) Diethyl Ether	2.09	74	148347	44.571	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.27	101	202166	47.161	ug/l	100
10) Methyl Iodide	2.39	142	304785	77.873	ug/l	100
11) Tert butyl alcohol	2.80	59	291601	227.241	ug/l	100
12) 1,1-Dichloroethene	2.27	96	203727	47.689	ug/l	100
13) Acrolein	2.18	56	173671	178.245	ug/l	100
14) Allyl chloride	2.57	41	353696	36.344	ug/l	100
15) Acrylonitrile	2.91	53	782586	220.460	ug/l	100
16) Acetone	2.30	43	761073	203.068	ug/l	100
17) Carbon Disulfide	2.46	76	679579	44.559	ug/l	100
18) Methyl Acetate	2.59	43	359244	37.910	ug/l	100
19) Methyl tert-butyl Ether	2.98	73	704879	44.249	ug/l	100
20) Methylene Chloride	2.68	84	248182	44.166	ug/l	100
21) trans-1,2-Dichloroethene	2.96	96	232247	48.234	ug/l	100
22) Diisopropyl ether	3.54	45	768293	40.437	ug/l	100
23) Vinyl Acetate	3.50	43	3410569	215.811	ug/l	100
24) 1,1-Dichloroethane	3.42	63	438348	43.307	ug/l	100
25) 2-Butanone	4.23	43	1091603	214.337	ug/l	100
26) 2,2-Dichloropropane	4.20	77	355838	44.154	ug/l	100
27) cis-1,2-Dichloroethene	4.20	96	250386	46.305	ug/l	100
28) Bromochloromethane	4.52	49	201156	43.867	ug/l	100
29) Tetrahydrofuran	4.61	42	688120	211.332	ug/l	100
30) Chloroform	4.65	83	417770	46.818	ug/l	100
31) Cyclohexane	4.97	56	396136	33.614	ug/l	100
32) 1,1,1-Trichloroethane	4.89	97	352328	47.458	ug/l	100
36) 1,1-Dichloropropene	5.11	75	317386	47.284	ug/l	100
37) Ethyl Acetate	4.35	43	387238	45.309	ug/l	100
38) Carbon Tetrachloride	5.11	117	304799	54.622	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)	8/27/2019 12:17:01 PM
39) Methylcyclohexane	6.39	83	371066	45.482	ug/l	100	
40) Benzene	5.36	78	953508	48.159	ug/l	100	
41) Methacrylonitrile	4.51	41	204900	43.987	ug/l	100	
42) 1,2-Dichloroethane	5.38	62	348548	49.884	ug/l	100	
43) Isopropyl Acetate	5.52	43	582818	43.401	ug/l	100	
44) Trichloroethene	6.16	130	236593	52.551	ug/l	100	
45) 1,2-Dichloropropane	6.41	63	263671	47.735	ug/l	100	
46) Dibromomethane	6.54	93	167332	50.280	ug/l	100	
47) Bromodichloromethane	6.73	83	338783	51.854	ug/l	100	
48) Methyl methacrylate	6.60	41	282078	42.514	ug/l	100	
49) 1,4-Dioxane	6.59	88	123178	1110.398	ug/l	100	
51) 4-Methyl-2-Pentanone	7.44	43	1991509	231.998	ug/l	100	
52) Toluene	7.62	92	580566	49.639	ug/l	100	
53) t-1,3-Dichloropropene	7.86	75	377306	49.181	ug/l	100	
54) cis-1,3-Dichloropropene	7.25	75	411445	49.372	ug/l	100	
55) 1,1,2-Trichloroethane	8.05	97	242520	52.136	ug/l	100	
56) Ethyl methacrylate	8.00	69	370592	47.466	ug/l	100	
57) 1,3-Dichloropropane	8.22	76	428752	49.756	ug/l	100	
58) 2-Chloroethyl Vinyl ether	7.11	63	686233	178.787	ug/l	100	
59) 2-Hexanone	8.34	43	1538930	226.663	ug/l	100	
60) Dibromochloromethane	8.46	129	253217	54.568	ug/l	100	
61) 1,2-Dibromoethane	8.57	107	258669	52.847	ug/l	100	
64) Tetrachloroethene	8.21	164	208350	50.582	ug/l	100	
65) Chlorobenzene	9.10	112	616861	47.551	ug/l	100	
66) 1,1,1,2-Tetrachloroethane	9.19	131	228181	54.075	ug/l	100	
67) Ethyl Benzene	9.23	91	1096279	46.292	ug/l	100	
68) m/p-Xylenes	9.35	106	830937	96.189	ug/l	100	
69) o-Xylene	9.76	106	393790	47.033	ug/l	100	
70) Styrene	9.77	104	699098	49.859	ug/l	100	
71) Bromoform	9.94	173	194574	54.217	ug/l	# 100	
73) Isopropylbenzene	10.15	105	1070289	43.478	ug/l	100	
74) N-amyl acetate	10.00	43	498396	36.195	ug/l	100	
75) 1,1,2,2-Tetrachloroethane	10.44	83	418882	44.328	ug/l	100	
76) 1,2,3-Trichloropropane	10.48	75	357653m	43.528	ug/l		
77) Bromobenzene	10.43	156	271011	46.611	ug/l	100	
78) n-propylbenzene	10.57	91	1299495	42.689	ug/l	100	
79) 2-Chlorotoluene	10.64	91	752890	42.928	ug/l	100	
80) 1,3,5-Trimethylbenzene	10.75	105	926676	45.342	ug/l	100	
81) trans-1,4-Dichloro-2-buten	10.49	75	148526m	41.478	ug/l		
82) 4-Chlorotoluene	10.75	91	889250	42.661	ug/l	100	
83) tert-Butylbenzene	11.08	119	866275	44.080	ug/l	100	
84) 1,2,4-Trimethylbenzene	11.13	105	935454	44.510	ug/l	100	
85) sec-Butylbenzene	11.31	105	1083536	43.152	ug/l	100	
86) p-Isopropyltoluene	11.46	119	998444	46.178	ug/l	100	
87) 1,3-Dichlorobenzene	11.40	146	502152	45.690	ug/l	100	
88) 1,4-Dichlorobenzene	11.49	146	500059	44.067	ug/l	100	
89) n-Butylbenzene	11.87	91	937065	43.360	ug/l	100	
90) Hexachloroethane	12.13	117	176987	52.792	ug/l	100	
91) 1,2-Dichlorobenzene	11.86	146	487597	44.519	ug/l	100	
92) 1,2-Dibromo-3-Chloropropan	12.64	75	92817	45.397	ug/l	100	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)	8/27/2019 12:17:01 PM
93) 1,2,4-Trichlorobenzene	13.49	180	331124	42.283	ug/l	100	
94) Hexachlorobutadiene	13.67	225	181661	49.526	ug/l	100	
95) Naphthalene	13.73	128	994620	38.755	ug/l	100	
96) 1,2,3-Trichlorobenzene	13.97	180	329187	41.930	ug/l	100	

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

