

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU013020\
 Data File : VU036646.D
 Acq On : 31 Jan 2020 03:58
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05051

Quant Time: Jan 31 07:25:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM012920WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jan 31 04:01:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	275590	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	272060	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	140254	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	70873	34.34	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	68.68%
7) Chloroethane-d5	1.89	69	27052	15.27	ug/L	-0.04
Spiked Amount	50.000	Range	70 - 130	Recovery	=	30.54%#
11) 1,1-Dichloroethene-d2	2.58	63	137688	41.25	ug/L	-0.01
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.50%
21) 2-Butanone-d5	4.68	46	118327	96.58	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	96.58%
24) Chloroform-d	5.11	84	150054	44.39	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.78%
26) 1,2-Dichloroethane-d4	5.74	65	91039	43.21	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.42%
32) Benzene-d6	5.76	84	318316	41.59	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.18%
36) 1,2-Dichloropropane-d6	6.73	67	104829	43.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	87.92%
41) Toluene-d8	7.93	98	307641	41.78	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	83.56%
43) trans-1,3-Dichloropropene-	8.21	79	49862	43.96	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.92%
47) 2-Hexanone-d5	8.67	63	127877	115.63	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	115.63%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	177294	50.56	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.12%
64) 1,2-Dichlorobenzene-d4	12.21	152	137150	45.57	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.14%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.39	85	97679	46.531	ug/L	100
3) Chloromethane	1.53	50	108135	48.388	ug/L	99
5) Vinyl chloride	1.62	62	113256	47.529	ug/L	98
6) Bromomethane	1.84	94	26555	18.995	ug/L	98
8) Chloroethane	1.91	64	65623	45.695	ug/L	98
9) Trichlorofluoromethane	2.13	101	130344	46.515	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	83657	48.031	ug/L	98
12) 1,1-Dichloroethene	2.59	96	85319	49.810	ug/L	98
13) Acetone	2.66	43	80099	67.537	ug/L	99
14) Carbon disulfide	2.81	76	251383	48.573	ug/L	100
15) Methyl Acetate	2.98	43	91506	49.346	ug/L	99
16) Methylene chloride	3.07	84	101339	48.777	ug/L	97
17) trans-1,2-Dichloroethene	3.38	96	92783	50.424	ug/L	97
18) Methyl tert-butyl Ether	3.41	73	295356	50.120	ug/L	99
19) 1,1-Dichloroethane	3.91	63	162345	49.485	ug/L	99
20) cis-1,2-Dichloroethene	4.71	96	106616	50.973	ug/L	99
22) 2-Butanone	4.76	43	131272	92.120	ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	54471	50.128	ug/L	99
25) Chloroform	5.13	83	164468	48.884	ug/L	99
27) 1,2-Dichloroethane	5.83	62	119572	47.492	ug/L	98
29) Cyclohexane	5.42	56	149798	48.118	ug/L	98
30) 1,1,1-Trichloroethane	5.36	97	137393	48.103	ug/L	99
31) Carbon tetrachloride	5.56	117	117794	48.005	ug/L	99
33) Benzene	5.81	78	391865	48.176	ug/L	100
34) Trichloroethene	6.57	95	99792	47.664	ug/L	98
35) Methylcyclohexane	6.79	83	164470	47.100	ug/L	100
37) 1,2-Dichloropropane	6.83	63	100219	48.478	ug/L	100
38) Bromodichloromethane	7.14	83	122971	47.342	ug/L	100
39) cis-1,3-Dichloropropene	7.64	75	161184	48.393	ug/L	99
40) 4-Methyl-2-pentanone	7.83	43	282779	106.550	ug/L	99
42) Toluene	8.00	91	434083	49.098	ug/L	99
44) trans-1,3-Dichloropropene	8.24	75	141791	48.512	ug/L	98
45) 1,1,2-Trichloroethane	8.43	97	102821	49.584	ug/L	99
46) Tetrachloroethene	8.58	164	98867	58.129	ug/L	99
48) 2-Hexanone	8.72	43	221926	111.168	ug/L	97
49) Dibromochloromethane	8.84	129	112364	51.189	ug/L	98
50) 1,2-Dibromoethane	8.95	107	110672	49.512	ug/L	99
51) Chlorobenzene	9.47	112	292232	50.651	ug/L	100
52) Ethylbenzene	9.60	91	486922	50.275	ug/L	100
53) m,p-Xylene	9.72	106	194038	51.366	ug/L	97
54) o-xylene	10.12	106	197994	52.546	ug/L	100
55) Styrene	10.14	104	340068	55.614	ug/L	100
56) Isopropylbenzene	10.51	105	509494	53.183	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.81	83	190222	53.208	ug/L	98
59) 1,2,3-Trichloropropane	10.85	75	148519	53.144	ug/L	99
61) Bromoform	10.32	173	92001	49.323	ug/L	99
62) 1,3-Dichlorobenzene	11.77	146	241548	50.755	ug/L	98
63) 1,4-Dichlorobenzene	11.86	146	239234	51.060	ug/L	99
65) 1,2-Dichlorobenzene	12.23	146	244639	50.717	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.02	75	37532	48.733	ug/L	93
67) 1,3,5-Trichlorobenzene	13.24	180	171946	52.607	ug/L	100
68) 1,2,4-trichlorobenzene	13.86	180	148548	63.776	ug/L	98
69) Naphthalene	14.10	128	618148	91.711	ug/L	100
70) 1,2,3-Trichlorobenzene	14.35	180	152071	63.352	ug/L	100

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

