

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU011520\
 Data File : VU036462.D
 Acq On : 15 Jan 2020 10:28
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05040

Quant Time: Jan 15 14:17:45 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM011420WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jan 15 11:15:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	561628	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	544872	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	251308	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	201715	55.40	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	110.80%
7) Chloroethane-d5	1.93	69	164046	52.04	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	104.08%
11) 1,1-Dichloroethene-d2	2.59	63	371920	53.19	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	106.38%
21) 2-Butanone-d5	4.67	46	294198	93.98	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	93.98%
24) Chloroform-d	5.11	84	380984	52.56	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.12%
26) 1,2-Dichloroethane-d4	5.74	65	250607	52.00	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.00%
32) Benzene-d6	5.77	84	737497	51.75	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.50%
36) 1,2-Dichloropropane-d6	6.73	67	236100	50.95	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.90%
41) Toluene-d8	7.93	98	702360	52.11	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.22%
43) trans-1,3-Dichloropropene-	8.21	79	129626	51.92	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	103.84%
47) 2-Hexanone-d5	8.67	63	238478	100.42	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	100.42%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	357642	51.30	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.60%
64) 1,2-Dichlorobenzene-d4	12.21	152	252736	51.06	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.12%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	259041	49.770 ug/L	99
3) Chloromethane	1.54	50	231794	49.458 ug/L	99
5) Vinyl chloride	1.62	62	234237	50.353 ug/L	100
6) Bromomethane	1.87	94	145353	51.382 ug/L	97
8) Chloroethane	1.95	64	131859	47.916 ug/L	100
9) Trichlorofluoromethane	2.16	101	323387	51.040 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	176374	52.650 ug/L	98
12) 1,1-Dichloroethene	2.60	96	168101	50.641 ug/L	91
13) Acetone	2.66	43	305046	90.034 ug/L	99
14) Carbon disulfide	2.82	76	546982	50.948 ug/L	99
15) Methyl Acetate	2.98	43	217542	48.013 ug/L	99
16) Methylene chloride	3.08	84	203638	49.863 ug/L	98
17) trans-1,2-Dichloroethene	3.39	96	184441	50.681 ug/L	95
18) Methyl tert-butyl Ether	3.41	73	612527	49.390 ug/L	99
19) 1,1-Dichloroethane	3.91	63	345774	50.327 ug/L	99
20) cis-1,2-Dichloroethene	4.71	96	210015	50.333 ug/L	100
22) 2-Butanone	4.75	43	361333	93.976 ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	101254	50.231	ug/L	98
25) Chloroform	5.13	83	371776	50.739	ug/L	99
27) 1,2-Dichloroethane	5.84	62	291457	50.223	ug/L	99
29) Cyclohexane	5.43	56	330420	50.561	ug/L	99
30) 1,1,1-Trichloroethane	5.36	97	325412	50.286	ug/L	98
31) Carbon tetrachloride	5.57	117	284062	51.217	ug/L	98
33) Benzene	5.81	78	776313	49.584	ug/L	100
34) Trichloroethene	6.58	95	208835	49.397	ug/L	98
35) Methylcyclohexane	6.80	83	341976	52.540	ug/L	99
37) 1,2-Dichloropropane	6.83	63	201852	48.645	ug/L	100
38) Bromodichloromethane	7.14	83	283003	49.556	ug/L	99
39) cis-1,3-Dichloropropene	7.64	75	344381	51.265	ug/L	99
40) 4-Methyl-2-pentanone	7.83	43	619580	92.816	ug/L	98
42) Toluene	8.00	91	859869	50.565	ug/L	98
44) trans-1,3-Dichloropropene	8.24	75	311067	49.988	ug/L	100
45) 1,1,2-Trichloroethane	8.43	97	199706	50.351	ug/L	97
46) Tetrachloroethene	8.58	164	148632	52.266	ug/L	92
48) 2-Hexanone	8.72	43	492867	93.354	ug/L	99
49) Dibromochloromethane	8.84	129	227579	51.583	ug/L	98
50) 1,2-Dibromoethane	8.95	107	226272	50.326	ug/L #	98
51) Chlorobenzene	9.47	112	544162	50.889	ug/L	99
52) Ethylbenzene	9.60	91	977864	51.484	ug/L	98
53) m,p-Xylene	9.72	106	372796	52.487	ug/L	99
54) o-xylene	10.12	106	357152	50.370	ug/L	98
55) Styrene	10.14	104	593421	51.602	ug/L	95
56) Isopropylbenzene	10.51	105	951039	52.259	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.81	83	350543	50.823	ug/L	99
59) 1,2,3-Trichloropropane	10.85	75	276648	48.347	ug/L	98
61) Bromoform	10.32	173	159106	46.489	ug/L	98
62) 1,3-Dichlorobenzene	11.77	146	396162	50.062	ug/L	100
63) 1,4-Dichlorobenzene	11.86	146	401086	50.442	ug/L	99
65) 1,2-Dichlorobenzene	12.23	146	394356	50.522	ug/L	98
66) 1,2-Dibromo-3-chloropropan	13.02	75	79050	46.053	ug/L	99
67) 1,3,5-Trichlorobenzene	13.24	180	256981	53.703	ug/L	99
68) 1,2,4-trichlorobenzene	13.86	180	184758	52.392	ug/L	99
69) Naphthalene	14.10	128	567521	47.626	ug/L	99
70) 1,2,3-Trichlorobenzene	14.35	180	184130	50.331	ug/L	99

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

