

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU010720\
 Data File : VU036399.D
 Acq On : 07 Jan 2020 17:42
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05053

Quant Time: Jan 08 03:58:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122719WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jan 08 03:56:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	520236	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	500299	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	229871	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	170593	42.08	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	84.16%
7) Chloroethane-d5	1.93	69	152332	44.55	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	89.10%
11) 1,1-Dichloroethene-d2	2.59	63	336675	48.75	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.50%
21) 2-Butanone-d5	4.68	46	316153	104.73	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	104.73%
24) Chloroform-d	5.11	84	371985	52.58	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.16%
26) 1,2-Dichloroethane-d4	5.75	65	249685	53.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.44%
32) Benzene-d6	5.77	84	727290	52.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.44%
36) 1,2-Dichloropropane-d6	6.73	67	239984	51.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.76%
41) Toluene-d8	7.93	98	692964	51.83	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.66%
43) trans-1,3-Dichloropropene-	8.21	79	127625	50.35	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.70%
47) 2-Hexanone-d5	8.67	63	248200	103.02	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	103.02%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	366231	51.69	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	103.38%
64) 1,2-Dichlorobenzene-d4	12.21	152	243622	50.53	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.06%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	186776	44.951	ug/L 100
3) Chloromethane	1.54	50	176556	46.700	ug/L 98
5) Vinyl chloride	1.62	62	186480	42.497	ug/L 99
6) Bromomethane	1.87	94	104059	49.070	ug/L 98
8) Chloroethane	1.95	64	112656	42.670	ug/L 99
9) Trichlorofluoromethane	2.16	101	271766	44.053	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	147348	48.249	ug/L 98
12) 1,1-Dichloroethene	2.61	96	145064	48.187	ug/L 97
13) Acetone	2.66	43	191138	61.046	ug/L 100
14) Carbon disulfide	2.82	76	383070	41.120	ug/L 99
15) Methyl Acetate	2.99	43	216953	51.529	ug/L 97
16) Methylene chloride	3.08	84	177024	48.037	ug/L 96
17) trans-1,2-Dichloroethene	3.39	96	159119	48.959	ug/L 99
18) Methyl tert-butyl Ether	3.41	73	597112	50.575	ug/L 99
19) 1,1-Dichloroethane	3.92	63	323556	49.666	ug/L 97
20) cis-1,2-Dichloroethene	4.72	96	190923	48.567	ug/L # 86
22) 2-Butanone	4.76	43	325662	88.045	ug/L 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	93077	49.322	ug/L	95
25) Chloroform	5.13	83	347823	50.109	ug/L	100
27) 1,2-Dichloroethane	5.84	62	278481	51.900	ug/L	98
29) Cyclohexane	5.43	56	276255	47.657	ug/L	98
30) 1,1,1-Trichloroethane	5.36	97	305437	49.812	ug/L	100
31) Carbon tetrachloride	5.57	117	256440	48.246	ug/L	99
33) Benzene	5.82	78	725802	49.386	ug/L	100
34) Trichloroethene	6.58	95	187281	49.429	ug/L	95
35) Methylcyclohexane	6.80	83	280257	46.342	ug/L	97
37) 1,2-Dichloropropane	6.83	63	198238	49.813	ug/L	99
38) Bromodichloromethane	7.14	83	278224	49.556	ug/L	99
39) cis-1,3-Dichloropropene	7.64	75	332982	49.981	ug/L	99
40) 4-Methyl-2-pentanone	7.83	43	663370	98.094	ug/L	100
42) Toluene	8.00	91	797880	49.303	ug/L	100
44) trans-1,3-Dichloropropene	8.24	75	302008	48.660	ug/L	100
45) 1,1,2-Trichloroethane	8.43	97	195504	52.657	ug/L	98
46) Tetrachloroethene	8.58	164	126853	46.533	ug/L	97
48) 2-Hexanone	8.72	43	523257	100.559	ug/L	99
49) Dibromochloromethane	8.84	129	223047	48.943	ug/L	98
50) 1,2-Dibromoethane	8.95	107	215925	50.147	ug/L	99
51) Chlorobenzene	9.47	112	508586	49.790	ug/L	99
52) Ethylbenzene	9.60	91	902705	49.009	ug/L	98
53) m,p-Xylene	9.72	106	331282	48.486	ug/L	97
54) o-xylene	10.13	106	328686	47.944	ug/L	96
55) Styrene	10.14	104	558032	48.141	ug/L	100
56) Isopropylbenzene	10.51	105	875923	49.021	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.81	83	354361	50.493	ug/L	98
59) 1,2,3-Trichloropropane	10.85	75	282462	50.587	ug/L	98
61) Bromoform	10.32	173	159817	46.785	ug/L	99
62) 1,3-Dichlorobenzene	11.77	146	365358	49.185	ug/L	95
63) 1,4-Dichlorobenzene	11.86	146	356681	48.405	ug/L	99
65) 1,2-Dichlorobenzene	12.23	146	367698	49.404	ug/L	97
66) 1,2-Dibromo-3-chloropropan	13.02	75	82837	47.697	ug/L	91
67) 1,3,5-Trichlorobenzene	13.24	180	213334	43.249	ug/L	98
68) 1,2,4-trichlorobenzene	13.86	180	155171	41.508	ug/L	97
69) Naphthalene	14.10	128	531467	41.372	ug/L	99
70) 1,2,3-Trichlorobenzene	14.35	180	165932	42.265	ug/L	98

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

