

Data File : VU033686.D
Acq On : 09 Aug 2019 11:02
Operator : JC/SP
Sample : VSTDCCC050EC
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 65 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05055

Quant Time: Aug 09 11:21:36 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080819WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Aug 08 15:37:44 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	379296	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	378072	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	205683	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	192287	44.91	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	89.82%
7) Chloroethane-d5	1.67	69	172617	47.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	95.26%
11) 1,1-Dichloroethene-d2	2.26	63	307740	44.46	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.92%
21) 2-Butanone-d5	4.14	46	304129	96.99	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	96.99%
24) Chloroform-d	4.62	84	299873	42.26	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.52%
26) 1,2-Dichloroethane-d4	5.29	65	202215	44.19	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.38%
32) Benzene-d6	5.32	84	629609	44.66	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.32%
36) 1,2-Dichloropropane-d6	6.31	67	205212	45.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.56%
41) Toluene-d8	7.55	98	591789	45.40	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.80%
43) trans-1,3-Dichloropropene-	7.83	79	95854	43.69	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.38%
47) 2-Hexanone-d5	8.29	63	228605	101.86	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	101.86%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	318029	45.35	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	90.70%
64) 1,2-Dichlorobenzene-d4	11.84	152	254446	45.28	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.56%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	165254	47.314	ug/L	98
3) Chloromethane	1.32	50	179648	47.171	ug/L	100
5) Vinyl chloride	1.40	62	202112	49.093	ug/L	100
6) Bromomethane	1.62	94	98576	35.645	ug/L	98
8) Chloroethane	1.69	64	126540	49.280	ug/L	99
9) Trichlorofluoromethane	1.87	101	260373	47.641	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	126515	45.026	ug/L	99
12) 1,1-Dichloroethene	2.27	96	125891	46.921	ug/L	92
13) Acetone	2.31	43	165687	77.673	ug/L	100
14) Carbon disulfide	2.46	76	348573	43.400	ug/L	99
15) Methyl Acetate	2.60	43	166581	47.900	ug/L	100
16) Methylene chloride	2.68	84	144547	45.441	ug/L	99
17) trans-1,2-Dichloroethene	2.96	96	125959	45.056	ug/L	97
18) Methyl tert-butyl Ether	2.98	73	431923	49.189	ug/L	100
19) 1,1-Dichloroethane	3.42	63	248306	45.528	ug/L	98
20) cis-1,2-Dichloroethene	4.20	96	147769	46.939	ug/L	99
22) 2-Butanone	4.23	43	249595	93.205	ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.52	128	74748	44.900	ug/L	96
25) Chloroform	4.65	83	261534	45.778	ug/L	97
27) 1,2-Dichloroethane	5.38	62	198065	44.727	ug/L	98
29) Cyclohexane	4.97	56	214470	49.100	ug/L	99
30) 1,1,1-Trichloroethane	4.89	97	209212	44.079	ug/L	99
31) Carbon tetrachloride	5.11	117	182379	43.445	ug/L	99
33) Benzene	5.37	78	553676	46.391	ug/L	100
34) Trichloroethene	6.16	95	141406	46.190	ug/L	99
35) Methylcyclohexane	6.40	83	214548	45.760	ug/L	99
37) 1,2-Dichloropropane	6.41	63	147504	45.727	ug/L	100
38) Bromodichloromethane	6.74	83	183783	44.043	ug/L	99
39) cis-1,3-Dichloropropene	7.25	75	211727	44.095	ug/L	100
40) 4-Methyl-2-pentanone	7.44	43	463381	99.020	ug/L	99
42) Toluene	7.62	91	608703	47.557	ug/L	98
44) trans-1,3-Dichloropropene	7.86	75	198115	43.836	ug/L	99
45) 1,1,2-Trichloroethane	8.05	97	145213	47.236	ug/L	99
46) Tetrachloroethene	8.21	164	115448	46.485	ug/L	96
48) 2-Hexanone	8.34	43	375633	97.362	ug/L	99
49) Dibromochloromethane	8.46	129	154035	43.974	ug/L	96
50) 1,2-Dibromoethane	8.57	107	155772	46.702	ug/L	99
51) Chlorobenzene	9.10	112	395079	47.196	ug/L	98
52) Ethylbenzene	9.23	91	673402	48.972	ug/L	99
53) m,p-Xylene	9.36	106	257891	49.490	ug/L	97
54) o-xylene	9.76	106	257074	49.768	ug/L	100
55) Styrene	9.77	104	437748	49.807	ug/L	98
56) Isopropylbenzene	10.15	105	668592	50.255	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.44	83	255899	45.328	ug/L	99
59) 1,2,3-Trichloropropane	10.48	75	201054	45.648	ug/L	99
61) Bromoform	9.94	173	119517	43.352	ug/L	99
62) 1,3-Dichlorobenzene	11.40	146	324107	46.914	ug/L	99
63) 1,4-Dichlorobenzene	11.49	146	329558	46.146	ug/L	99
65) 1,2-Dichlorobenzene	11.86	146	325234	46.416	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.64	75	58039	44.471	ug/L	91
67) 1,3,5-Trichlorobenzene	12.87	180	245021	46.917	ug/L	98
68) 1,2,4-trichlorobenzene	13.49	180	234720	53.769	ug/L	98
69) Naphthalene	13.73	128	755770	59.279	ug/L	100
70) 1,2,3-Trichlorobenzene	13.97	180	238311	52.292	ug/L	97

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

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