

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092319\
 Data File : VU034727.D
 Acq On : 23 Sep 2019 11:32
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05040

Quant Time: Sep 24 01:50:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Sep 23 10:56:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	512270	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	497084	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	246977	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	216041	41.20	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	82.40%
7) Chloroethane-d5	1.67	69	167828	41.41	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	82.82%
11) 1,1-Dichloroethene-d2	2.26	63	396857	44.69	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.38%
21) 2-Butanone-d5	4.15	46	392368	97.62	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	97.62%
24) Chloroform-d	4.62	84	361079	47.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.72%
26) 1,2-Dichloroethane-d4	5.28	65	257272	45.90	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.80%
32) Benzene-d6	5.31	84	723781	46.98	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.96%
36) 1,2-Dichloropropane-d6	6.31	67	254209	47.21	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.42%
41) Toluene-d8	7.54	98	702302	47.91	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.82%
43) trans-1,3-Dichloropropene-	7.83	79	123531	47.90	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.80%
47) 2-Hexanone-d5	8.29	63	250309	92.54	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	92.54%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	341350	45.68	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	91.36%
64) 1,2-Dichlorobenzene-d4	11.84	152	247743	47.84	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.68%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	260219	49.286	ug/L 100
3) Chloromethane	1.32	50	300552	47.523	ug/L 99
5) Vinyl chloride	1.40	62	277008	47.956	ug/L 100
6) Bromomethane	1.62	94	152347	48.291	ug/L 95
8) Chloroethane	1.69	64	158424	47.641	ug/L 99
9) Trichlorofluoromethane	1.87	101	347366	47.694	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	174248	49.898	ug/L 98
12) 1,1-Dichloroethene	2.27	96	161340	48.138	ug/L 93
13) Acetone	2.31	43	423955	90.677	ug/L 98
14) Carbon disulfide	2.46	76	547844	48.445	ug/L 98
15) Methyl Acetate	2.60	43	305183	48.865	ug/L 100
16) Methylene chloride	2.68	84	202729	47.751	ug/L 98
17) trans-1,2-Dichloroethene	2.96	96	182487	49.800	ug/L 90
18) Methyl tert-butyl Ether	2.98	73	671535	49.397	ug/L 99
19) 1,1-Dichloroethane	3.42	63	413518	49.192	ug/L 98
20) cis-1,2-Dichloroethene	4.20	96	210988	49.243	ug/L 96
22) 2-Butanone	4.23	43	521143	93.692	ug/L 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.52	128	104234	50.826	ug/L	94
25) Chloroform	4.65	83	392150	47.373	ug/L	97
27) 1,2-Dichloroethane	5.38	62	338688	47.364	ug/L	99
29) Cyclohexane	4.97	56	398950	48.625	ug/L	99
30) 1,1,1-Trichloroethane	4.89	97	328885	48.612	ug/L	97
31) Carbon tetrachloride	5.11	117	284289	49.304	ug/L	97
33) Benzene	5.36	78	845760	49.058	ug/L	100
34) Trichloroethene	6.16	95	209949	49.310	ug/L	97
35) Methylcyclohexane	6.39	83	360014	49.826	ug/L	99
37) 1,2-Dichloropropane	6.41	63	249506	48.604	ug/L	100
38) Bromodichloromethane	6.73	83	298921	48.016	ug/L	97
39) cis-1,3-Dichloropropene	7.25	75	377532	48.946	ug/L	99
40) 4-Methyl-2-pentanone	7.44	43	915286	93.390	ug/L	98
42) Toluene	7.61	91	918481	49.296	ug/L	96
44) trans-1,3-Dichloropropene	7.86	75	347829	50.022	ug/L	97
45) 1,1,2-Trichloroethane	8.04	97	201983	49.121	ug/L	98
46) Tetrachloroethene	8.21	164	157803	52.690	ug/L	93
48) 2-Hexanone	8.34	43	721752	94.291	ug/L	98
49) Dibromochloromethane	8.45	129	235025	51.278	ug/L	97
50) 1,2-Dibromoethane	8.56	107	223288	50.385	ug/L	99
51) Chlorobenzene	9.10	112	560339	49.473	ug/L	99
52) Ethylbenzene	9.23	91	1031552	49.166	ug/L	99
53) m,p-Xylene	9.35	106	377600	50.812	ug/L	97
54) o-xylene	9.76	106	371120	50.491	ug/L	98
55) Styrene	9.77	104	628138	50.486	ug/L	99
56) Isopropylbenzene	10.14	105	990663	49.986	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.43	83	378766	47.959	ug/L	100
59) 1,2,3-Trichloropropane	10.47	75	298718	46.590	ug/L	99
61) Bromoform	9.94	173	170927	50.266	ug/L	97
62) 1,3-Dichlorobenzene	11.40	146	430391	50.320	ug/L	98
63) 1,4-Dichlorobenzene	11.49	146	429414	49.286	ug/L	97
65) 1,2-Dichlorobenzene	11.85	146	427619	49.481	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.64	75	87775	47.784	ug/L	94
67) 1,3,5-Trichlorobenzene	12.86	180	302199	52.733	ug/L	98
68) 1,2,4-trichlorobenzene	13.48	180	249294	55.319	ug/L	98
69) Naphthalene	13.72	128	828524	53.108	ug/L	99
70) 1,2,3-Trichlorobenzene	13.97	180	247590	53.394	ug/L	98

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

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