

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\U110619\
 Data File : VU035637.D
 Acq On : 06 Nov 2019 08:57
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05037

Quant Time: Nov 07 04:31:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM103119WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Nov 06 10:36:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	666740	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	654792	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	301309	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	200473	37.23	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	74.46%
7) Chloroethane-d5	1.93	69	175720	40.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	81.72%
11) 1,1-Dichloroethene-d2	2.60	63	344097	41.09	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.18%
21) 2-Butanone-d5	4.69	46	281082	89.36	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	89.36%
24) Chloroform-d	5.11	84	372890	44.84	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.68%
26) 1,2-Dichloroethane-d4	5.75	65	223071	43.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.58%
32) Benzene-d6	5.77	84	749991	43.94	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.88%
36) 1,2-Dichloropropane-d6	6.73	67	247237	44.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	89.34%
41) Toluene-d8	7.93	98	696915	43.29	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.58%
43) trans-1,3-Dichloropropene-	8.21	79	114143	44.77	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.54%
47) 2-Hexanone-d5	8.67	63	198304	93.48	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	93.48%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	358009	45.48	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	90.96%
64) 1,2-Dichlorobenzene-d4	12.22	152	267323	43.99	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.98%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.40	85	238079	45.787	ug/L 99
3) Chloromethane	1.54	50	261004	46.058	ug/L 100
5) Vinyl chloride	1.62	62	279031	45.762	ug/L 99
6) Bromomethane	1.87	94	160025	51.815	ug/L 100
8) Chloroethane	1.95	64	165111	46.558	ug/L 98
9) Trichlorofluoromethane	2.16	101	346714	48.003	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	208016	50.166	ug/L 99
12) 1,1-Dichloroethene	2.61	96	194962	47.869	ug/L 97
13) Acetone	2.66	43	319284	115.368	ug/L 99
14) Carbon disulfide	2.82	76	552279	44.013	ug/L 100
15) Methyl Acetate	2.99	43	222030	44.293	ug/L 97
16) Methylene chloride	3.08	84	234414	47.170	ug/L 98
17) trans-1,2-Dichloroethene	3.39	96	206574	48.163	ug/L 100
18) Methyl tert-butyl Ether	3.42	73	639670	49.329	ug/L 99
19) 1,1-Dichloroethane	3.92	63	396039	47.868	ug/L 99
20) cis-1,2-Dichloroethene	4.72	96	236245	48.834	ug/L 93
22) 2-Butanone	4.77	43	366294	100.263	ug/L 96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	125865	49.236	ug/L	95
25) Chloroform	5.14	83	406088	48.328	ug/L	99
27) 1,2-Dichloroethane	5.84	62	292171	47.593	ug/L	98
29) Cyclohexane	5.43	56	323013	48.364	ug/L	98
30) 1,1,1-Trichloroethane	5.36	97	333740	48.493	ug/L	99
31) Carbon tetrachloride	5.57	117	301495	49.268	ug/L	99
33) Benzene	5.82	78	891717	48.456	ug/L	100
34) Trichloroethene	6.58	95	226106	48.330	ug/L	96
35) Methylcyclohexane	6.80	83	327286	48.168	ug/L	99
37) 1,2-Dichloropropane	6.83	63	239120	48.522	ug/L	100
38) Bromodichloromethane	7.14	83	303171	48.399	ug/L	99
39) cis-1,3-Dichloropropene	7.64	75	370451	50.574	ug/L	100
40) 4-Methyl-2-pentanone	7.84	43	585722	88.842	ug/L	97
42) Toluene	8.00	91	968830	50.232	ug/L	98
44) trans-1,3-Dichloropropene	8.24	75	334961	49.887	ug/L	99
45) 1,1,2-Trichloroethane	8.44	97	227663	48.198	ug/L	99
46) Tetrachloroethene	8.58	164	195471	49.968	ug/L	99
48) 2-Hexanone	8.73	43	486767	90.792	ug/L	96
49) Dibromochloromethane	8.84	129	263684	49.501	ug/L	99
50) 1,2-Dibromoethane	8.96	107	243320	48.281	ug/L	99
51) Chlorobenzene	9.48	112	625675	48.593	ug/L	99
52) Ethylbenzene	9.60	91	1033503	50.123	ug/L	98
53) m,p-Xylene	9.72	106	407863	52.715	ug/L	95
54) o-xylene	10.13	106	391977	51.834	ug/L	97
55) Styrene	10.14	104	655925	52.265	ug/L	99
56) Isopropylbenzene	10.51	105	997138	52.472	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.81	83	385199	47.344	ug/L	97
59) 1,2,3-Trichloropropane	10.85	75	295299	45.956	ug/L	99
61) Bromoform	10.32	173	205661	44.740	ug/L	99
62) 1,3-Dichlorobenzene	11.77	146	461481	48.550	ug/L	98
63) 1,4-Dichlorobenzene	11.86	146	457240	47.352	ug/L	99
65) 1,2-Dichlorobenzene	12.24	146	462637	47.808	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.02	75	61935	41.280	ug/L	100
67) 1,3,5-Trichlorobenzene	13.24	180	264248	48.120	ug/L	99
68) 1,2,4-trichlorobenzene	13.86	180	142695	38.791	ug/L	100
69) Naphthalene	14.11	128	298522	31.639	ug/L	99
70) 1,2,3-Trichlorobenzene	14.35	180	147285	37.161	ug/L	99

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

