

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU043019\
 Data File : VU031653.D
 Acq On : 30 Apr 2019 23:06
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05056

Quant Time: May 01 01:45:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed May 01 01:38:49 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	687443	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	639903	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	277356	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	241915	42.05	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	84.10%
7) Chloroethane-d5	1.68	69	186548	41.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	83.92%
11) 1,1-Dichloroethene-d2	2.27	63	549366	47.95	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.90%
21) 2-Butanone-d5	4.19	46	601384	115.37	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	115.37%
24) Chloroform-d	4.64	84	529768	50.28	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.56%
26) 1,2-Dichloroethane-d4	5.31	65	357410	51.92	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.84%
32) Benzene-d6	5.34	84	973705	49.55	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.10%
36) 1,2-Dichloropropane-d6	6.32	67	360707	52.18	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	104.36%
41) Toluene-d8	7.56	98	816317	47.70	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.40%
43) trans-1,3-Dichloropropene-	7.85	79	147431	49.68	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.36%
47) 2-Hexanone-d5	8.31	63	331213	110.69	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	110.69%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	490870	52.91	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	105.82%
64) 1,2-Dichlorobenzene-d4	11.85	152	275408	47.22	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.44%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.20	85	369546	48.886	ug/L	99
3) Chloromethane	1.32	50	456492	49.911	ug/L	100
5) Vinyl chloride	1.40	62	426145	49.836	ug/L	99
6) Bromomethane	1.63	94	200024	44.357	ug/L	97
8) Chloroethane	1.69	64	221768	47.445	ug/L	99
9) Trichlorofluoromethane	1.88	101	479349	49.175	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	266716	48.402	ug/L	98
12) 1,1-Dichloroethene	2.28	96	257195	47.953	ug/L	88
13) Acetone	2.33	43	435719	74.204	ug/L	98
14) Carbon disulfide	2.47	76	850222	47.771	ug/L	99
15) Methyl Acetate	2.62	43	485236	54.614	ug/L	98
16) Methylene chloride	2.70	84	324726	51.303	ug/L	94
17) trans-1,2-Dichloroethene	2.98	96	271758	48.626	ug/L	94
18) Methyl tert-butyl Ether	2.99	73	967256	54.323	ug/L	98
19) 1,1-Dichloroethane	3.44	63	638026	54.208	ug/L	99
20) cis-1,2-Dichloroethene	4.22	96	302460	50.453	ug/L	84
22) 2-Butanone	4.27	43	678434	104.287	ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	142598	48.951	ug/L	92
25) Chloroform	4.67	83	591042	52.513	ug/L	99
27) 1,2-Dichloroethane	5.40	62	495083	54.155	ug/L #	95
29) Cyclohexane	4.99	56	555421	54.843	ug/L	98
30) 1,1,1-Trichloroethane	4.91	97	478772	53.400	ug/L	98
31) Carbon tetrachloride	5.13	117	393215	51.312	ug/L	98
33) Benzene	5.39	78	1267002	53.854	ug/L	100
34) Trichloroethene	6.18	95	321584	56.389	ug/L	93
35) Methylcyclohexane	6.41	83	443765	51.922	ug/L	95
37) 1,2-Dichloropropane	6.43	63	375299	56.191	ug/L	98
38) Bromodichloromethane	6.75	83	439983	54.331	ug/L	98
39) cis-1,3-Dichloropropene	7.27	75	494864	56.072	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	1227040	119.409	ug/L	97
42) Toluene	7.63	91	1267875	54.100	ug/L	98
44) trans-1,3-Dichloropropene	7.88	75	432983	54.091	ug/L	98
45) 1,1,2-Trichloroethane	8.06	97	292053	53.041	ug/L	98
46) Tetrachloroethene	8.22	164	185070	47.602	ug/L	97
48) 2-Hexanone	8.36	43	983189	118.299	ug/L	97
49) Dibromochloromethane	8.47	129	292592	51.071	ug/L	98
50) 1,2-Dibromoethane	8.58	107	303958	52.269	ug/L	98
51) Chlorobenzene	9.12	112	698248	50.418	ug/L	98
52) Ethylbenzene	9.25	91	1293842	53.223	ug/L	99
53) m,p-Xylene	9.37	106	447194	52.798	ug/L	97
54) o-xylene	9.77	106	453198	53.971	ug/L	100
55) Styrene	9.79	104	777328	54.183	ug/L	99
56) Isopropylbenzene	10.16	105	1164146	52.722	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.45	83	528122	54.052	ug/L	97
59) 1,2,3-Trichloropropane	10.49	75	434147	54.825	ug/L	99
61) Bromoform	9.95	173	197518	48.042	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	453182	49.361	ug/L	98
63) 1,4-Dichlorobenzene	11.50	146	461028	48.487	ug/L	98
65) 1,2-Dichlorobenzene	11.87	146	486303	49.839	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.65	75	117626	51.941	ug/L	96
67) 1,3,5-Trichlorobenzene	12.88	180	322287	46.869	ug/L	98
68) 1,2,4-trichlorobenzene	13.50	180	265723	48.812	ug/L	100
69) Naphthalene	13.74	128	967358	52.118	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	291348	47.009	ug/L	98

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

