

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU050119\
 Data File : VU031697.D
 Acq On : 01 May 2019 20:31
 Operator : JC/SP
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05059

Quant Time: May 02 02:29:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu May 02 02:23:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	891288	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	866457	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	401873	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	352897	47.31	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	94.62%
7) Chloroethane-d5	1.68	69	277129	48.08	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	96.16%
11) 1,1-Dichloroethene-d2	2.27	63	677235	45.59	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.18%
21) 2-Butanone-d5	4.19	46	716671	106.04	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	106.04%
24) Chloroform-d	4.64	84	592406	43.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.72%
26) 1,2-Dichloroethane-d4	5.31	65	379632	42.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.06%
32) Benzene-d6	5.34	84	1186514	44.59	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.18%
36) 1,2-Dichloropropane-d6	6.32	67	418145	44.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	89.34%
41) Toluene-d8	7.56	98	1055590	45.55	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.10%
43) trans-1,3-Dichloropropene-	7.85	79	192286	47.85	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.70%
47) 2-Hexanone-d5	8.31	63	491617	121.34	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	121.34%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	582168	46.34	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.68%
64) 1,2-Dichlorobenzene-d4	11.85	152	383236	45.35	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.70%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.20	85	400463	40.860	ug/L	98
3) Chloromethane	1.32	50	501992	42.333	ug/L	100
5) Vinyl chloride	1.40	62	473306	42.692	ug/L	100
6) Bromomethane	1.63	94	253453	43.350	ug/L	99
8) Chloroethane	1.70	64	276027	45.547	ug/L	99
9) Trichlorofluoromethane	1.88	101	537236	42.508	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	308934	43.242	ug/L	99
12) 1,1-Dichloroethene	2.28	96	310845	44.701	ug/L	97
13) Acetone	2.34	43	558367	73.343	ug/L	98
14) Carbon disulfide	2.47	76	942789	40.856	ug/L	100
15) Methyl Acetate	2.62	43	551932	47.913	ug/L	98
16) Methylene chloride	2.70	84	373640	45.530	ug/L	100
17) trans-1,2-Dichloroethene	2.98	96	327886	45.251	ug/L	97
18) Methyl tert-butyl Ether	2.99	73	1209866	52.408	ug/L	98
19) 1,1-Dichloroethane	3.44	63	696014	45.610	ug/L	99
20) cis-1,2-Dichloroethene	4.22	96	384366	49.452	ug/L	99
22) 2-Butanone	4.27	43	835352	99.040	ug/L	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	175370	46.433	ug/L	90
25) Chloroform	4.67	83	660269	45.247	ug/L	99
27) 1,2-Dichloroethane	5.40	62	528948	44.626	ug/L	99
29) Cyclohexane	4.99	56	663428	48.379	ug/L	98
30) 1,1,1-Trichloroethane	4.91	97	538306	44.342	ug/L	98
31) Carbon tetrachloride	5.13	117	451578	43.520	ug/L	100
33) Benzene	5.39	78	1492288	46.845	ug/L	100
34) Trichloroethene	6.18	95	367009	47.528	ug/L	98
35) Methylcyclohexane	6.41	83	552157	47.712	ug/L	96
37) 1,2-Dichloropropane	6.43	63	426826	47.196	ug/L	100
38) Bromodichloromethane	6.75	83	492040	44.872	ug/L	96
39) cis-1,3-Dichloropropene	7.26	75	639793	53.539	ug/L	98
40) 4-Methyl-2-pentanone	7.46	43	1520336	109.266	ug/L	99
42) Toluene	7.63	91	1571858	49.534	ug/L	97
44) trans-1,3-Dichloropropene	7.87	75	544865	50.270	ug/L	100
45) 1,1,2-Trichloroethane	8.06	97	359955	48.280	ug/L	99
46) Tetrachloroethene	8.22	164	244428	46.431	ug/L	94
48) 2-Hexanone	8.36	43	1193834	106.085	ug/L	98
49) Dibromochloromethane	8.47	129	364946	47.045	ug/L	99
50) 1,2-Dibromoethane	8.58	107	380681	48.346	ug/L	97
51) Chlorobenzene	9.12	112	929074	49.545	ug/L	98
52) Ethylbenzene	9.24	91	1730446	52.570	ug/L	99
53) m,p-Xylene	9.37	106	617906	53.878	ug/L	98
54) o-xylene	9.77	106	618899	54.433	ug/L	95
55) Styrene	9.79	104	1053038	54.209	ug/L	100
56) Isopropylbenzene	10.16	105	1590150	53.185	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.45	83	657463	49.695	ug/L	98
59) 1,2,3-Trichloropropane	10.49	75	537181	50.099	ug/L	98
61) Bromoform	9.95	173	269312	45.208	ug/L	100
62) 1,3-Dichlorobenzene	11.41	146	683296	51.365	ug/L	98
63) 1,4-Dichlorobenzene	11.50	146	678971	49.284	ug/L	99
65) 1,2-Dichlorobenzene	11.87	146	688743	48.716	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.65	75	158755	48.382	ug/L	88
67) 1,3,5-Trichlorobenzene	12.88	180	474030	47.577	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	441539	55.978	ug/L	99
69) Naphthalene	13.74	128	2174371	80.851	ug/L	100
70) 1,2,3-Trichlorobenzene	13.98	180	458432	51.049	ug/L	100

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

