

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU110119\
 Data File : VU035597.D
 Acq On : 01 Nov 2019 13:48
 Operator : JC/SP
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05034

Quant Time: Nov 01 16:07:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM103119WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Nov 01 17:03:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	695658	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	687750	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	316887	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	240353	42.78	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	85.56%
7) Chloroethane-d5	1.93	69	204293	45.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	91.06%
11) 1,1-Dichloroethene-d2	2.60	63	396944	45.43	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.86%
21) 2-Butanone-d5	4.69	46	300079	91.43	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	91.43%
24) Chloroform-d	5.11	84	408467	47.07	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.14%
26) 1,2-Dichloroethane-d4	5.75	65	248192	46.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.38%
32) Benzene-d6	5.77	84	840142	46.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.72%
36) 1,2-Dichloropropane-d6	6.73	67	273662	47.07	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.14%
41) Toluene-d8	7.93	98	803590	47.52	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.04%
43) trans-1,3-Dichloropropene-	8.21	79	128333	47.92	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.84%
47) 2-Hexanone-d5	8.67	63	207159	92.97	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	92.97%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	387517	46.87	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.74%
64) 1,2-Dichlorobenzene-d4	12.22	152	291451	45.60	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.20%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.40	85	270135	49.792	ug/L 98
3) Chloromethane	1.54	50	292362	49.447	ug/L 100
5) Vinyl chloride	1.62	62	307825	48.386	ug/L 99
6) Bromomethane	1.87	94	162683	50.486	ug/L 100
8) Chloroethane	1.95	64	179760	48.582	ug/L 99
9) Trichlorofluoromethane	2.16	101	375673	49.850	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	222802	51.498	ug/L 100
12) 1,1-Dichloroethene	2.61	96	207518	48.834	ug/L 92
13) Acetone	2.66	43	273296	94.646	ug/L 99
14) Carbon disulfide	2.82	76	606968	46.361	ug/L 99
15) Methyl Acetate	2.99	43	246078	47.050	ug/L 99
16) Methylene chloride	3.08	84	253815	48.951	ug/L 98
17) trans-1,2-Dichloroethene	3.39	96	221050	49.396	ug/L 97
18) Methyl tert-butyl Ether	3.42	73	679439	50.218	ug/L 99
19) 1,1-Dichloroethane	3.92	63	426128	49.363	ug/L 100
20) cis-1,2-Dichloroethene	4.72	96	253264	50.176	ug/L 96
22) 2-Butanone	4.77	43	360755	94.642	ug/L 96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	133458	50.036	ug/L	97
25) Chloroform	5.13	83	433306	49.424	ug/L	99
27) 1,2-Dichloroethane	5.84	62	319171	49.830	ug/L	100
29) Cyclohexane	5.43	56	347419	49.525	ug/L	98
30) 1,1,1-Trichloroethane	5.36	97	355283	49.150	ug/L	99
31) Carbon tetrachloride	5.56	117	316924	49.308	ug/L	100
33) Benzene	5.82	78	959286	49.630	ug/L	100
34) Trichloroethene	6.58	95	239697	48.780	ug/L	98
35) Methylcyclohexane	6.80	83	344087	48.214	ug/L	100
37) 1,2-Dichloropropane	6.83	63	260752	50.376	ug/L	99
38) Bromodichloromethane	7.14	83	320453	48.707	ug/L	99
39) cis-1,3-Dichloropropene	7.64	75	397578	51.676	ug/L	100
40) 4-Methyl-2-pentanone	7.84	43	630920	91.111	ug/L	98
42) Toluene	8.00	91	1050674	51.864	ug/L	100
44) trans-1,3-Dichloropropene	8.24	75	353330	50.101	ug/L	97
45) 1,1,2-Trichloroethane	8.43	97	241683	48.714	ug/L	99
46) Tetrachloroethene	8.58	164	204500	49.771	ug/L	98
48) 2-Hexanone	8.73	43	506067	89.868	ug/L	95
49) Dibromochloromethane	8.84	129	276021	49.334	ug/L	100
50) 1,2-Dibromoethane	8.96	107	264636	49.994	ug/L	100
51) Chlorobenzene	9.48	112	672482	49.725	ug/L	99
52) Ethylbenzene	9.60	91	1098754	50.734	ug/L	98
53) m,p-Xylene	9.72	106	432887	53.268	ug/L	96
54) o-xylene	10.13	106	414367	52.169	ug/L	98
55) Styrene	10.14	104	696862	52.866	ug/L	98
56) Isopropylbenzene	10.51	105	1046726	52.442	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.81	83	413001	48.329	ug/L	99
59) 1,2,3-Trichloropropane	10.85	75	317717	47.075	ug/L	99
61) Bromoform	10.32	173	214638	44.398	ug/L	99
62) 1,3-Dichlorobenzene	11.77	146	473340	47.350	ug/L	98
63) 1,4-Dichlorobenzene	11.86	146	472216	46.499	ug/L	97
65) 1,2-Dichlorobenzene	12.24	146	475895	46.761	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.02	75	66103	41.892	ug/L	97
67) 1,3,5-Trichlorobenzene	13.24	180	255716	44.277	ug/L	99
68) 1,2,4-trichlorobenzene	13.86	180	142718	36.890	ug/L	99
69) Naphthalene	14.11	128	319029	32.150	ug/L	100
70) 1,2,3-Trichlorobenzene	14.35	180	151748	36.404	ug/L	98

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

