

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U111419\
 Data File : VU035710.D
 Acq On : 14 Nov 2019 15:48
 Operator : JC/SP
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05048

Quant Time: Nov 15 01:05:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM103119WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Nov 15 01:03:04 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	683604	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	660022	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	311980	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	236206	42.78	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	85.56%
7) Chloroethane-d5	1.93	69	204816	46.45	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	92.90%
11) 1,1-Dichloroethene-d2	2.59	63	393546	45.83	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.66%
21) 2-Butanone-d5	4.69	46	324233	100.53	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	100.53%
24) Chloroform-d	5.11	84	422684	49.57	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.14%
26) 1,2-Dichloroethane-d4	5.75	65	253953	48.62	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.24%
32) Benzene-d6	5.77	84	871838	50.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.34%
36) 1,2-Dichloropropane-d6	6.73	67	280381	50.25	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.50%
41) Toluene-d8	7.93	98	829918	51.14	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.28%
43) trans-1,3-Dichloropropene-	8.21	79	131344	51.11	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	102.22%
47) 2-Hexanone-d5	8.67	63	221541	103.60	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	103.60%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	408069	51.43	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.86%
64) 1,2-Dichlorobenzene-d4	12.22	152	300366	47.73	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.46%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.40	85	246933	46.318	ug/L 100
3) Chloromethane	1.54	50	286901	49.379	ug/L 100
5) Vinyl chloride	1.62	62	305114	48.806	ug/L 99
6) Bromomethane	1.87	94	159441	50.352	ug/L 98
8) Chloroethane	1.95	64	176912	48.655	ug/L 99
9) Trichlorofluoromethane	2.16	101	377913	51.032	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	218756	51.455	ug/L 99
12) 1,1-Dichloroethene	2.61	96	211918	50.748	ug/L 96
13) Acetone	2.66	43	295582	104.169	ug/L 98
14) Carbon disulfide	2.82	76	615719	47.859	ug/L 99
15) Methyl Acetate	2.99	43	251096	48.856	ug/L 98
16) Methylene chloride	3.08	84	253788	49.809	ug/L 97
17) trans-1,2-Dichloroethene	3.39	96	222444	50.584	ug/L 99
18) Methyl tert-butyl Ether	3.42	73	693748	52.180	ug/L 99
19) 1,1-Dichloroethane	3.92	63	425084	50.111	ug/L 99
20) cis-1,2-Dichloroethene	4.72	96	254238	51.257	ug/L 96
22) 2-Butanone	4.77	43	379765	101.386	ug/L 95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	135335	51.634	ug/L	96
25) Chloroform	5.14	83	438054	50.846	ug/L	100
27) 1,2-Dichloroethane	5.84	62	314902	50.031	ug/L	100
29) Cyclohexane	5.43	56	351839	52.263	ug/L	97
30) 1,1,1-Trichloroethane	5.36	97	360521	51.969	ug/L	99
31) Carbon tetrachloride	5.57	117	320866	52.018	ug/L	100
33) Benzene	5.82	78	966660	52.112	ug/L	100
34) Trichloroethene	6.58	95	240513	51.002	ug/L	98
35) Methylcyclohexane	6.80	83	356807	52.097	ug/L	99
37) 1,2-Dichloropropane	6.83	63	253992	51.132	ug/L	100
38) Bromodichloromethane	7.14	83	324699	51.425	ug/L	99
39) cis-1,3-Dichloropropene	7.64	75	397891	53.889	ug/L	99
40) 4-Methyl-2-pentanone	7.84	43	639675	96.257	ug/L	98
42) Toluene	8.00	91	1053542	54.191	ug/L	100
44) trans-1,3-Dichloropropene	8.24	75	358987	53.042	ug/L	100
45) 1,1,2-Trichloroethane	8.43	97	246050	51.677	ug/L	99
46) Tetrachloroethene	8.58	164	210957	53.500	ug/L	98
48) 2-Hexanone	8.73	43	525015	97.150	ug/L	96
49) Dibromochloromethane	8.84	129	282120	52.543	ug/L	99
50) 1,2-Dibromoethane	8.96	107	269032	52.960	ug/L	97
51) Chlorobenzene	9.48	112	673486	51.891	ug/L	99
52) Ethylbenzene	9.60	91	1115673	53.680	ug/L	99
53) m,p-Xylene	9.72	106	437273	56.068	ug/L	92
54) o-xylene	10.13	106	423159	55.514	ug/L	100
55) Styrene	10.14	104	697974	55.174	ug/L	98
56) Isopropylbenzene	10.51	105	1059169	55.294	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.81	83	413407	50.409	ug/L	99
59) 1,2,3-Trichloropropane	10.85	75	320515	49.485	ug/L	99
61) Bromoform	10.32	173	221581	46.555	ug/L	99
62) 1,3-Dichlorobenzene	11.77	146	478809	48.650	ug/L	99
63) 1,4-Dichlorobenzene	11.86	146	471670	47.175	ug/L	99
65) 1,2-Dichlorobenzene	12.24	146	474468	47.354	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.02	75	66798	42.998	ug/L	98
67) 1,3,5-Trichlorobenzene	13.24	180	262885	46.234	ug/L	99
68) 1,2,4-trichlorobenzene	13.86	180	142431	37.395	ug/L	98
69) Naphthalene	14.11	128	326656	33.436	ug/L	100
70) 1,2,3-Trichlorobenzene	14.35	180	151298	36.867	ug/L	99

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

