

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U112019\
 Data File : VU035782.D
 Acq On : 20 Nov 2019 12:03
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05049

Quant Time: Nov 21 04:05:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM103119WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Nov 18 15:14:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	666402	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	662350	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	297514	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	246909	45.87	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	91.74%
7) Chloroethane-d5	1.93	69	204240	47.51	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	95.02%
11) 1,1-Dichloroethene-d2	2.59	63	428833	51.23	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	102.46%
21) 2-Butanone-d5	4.69	46	382450	121.65	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	121.65%
24) Chloroform-d	5.11	84	455156	54.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	109.52%
26) 1,2-Dichloroethane-d4	5.75	65	297651	58.45	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	116.90%
32) Benzene-d6	5.77	84	891534	51.64	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.28%
36) 1,2-Dichloropropane-d6	6.73	67	298783	53.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	106.72%
41) Toluene-d8	7.93	98	825383	50.68	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.36%
43) trans-1,3-Dichloropropene-	8.21	79	137862	53.45	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	106.90%
47) 2-Hexanone-d5	8.67	63	237956	110.89	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	110.89%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	432257	54.29	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	108.58%
64) 1,2-Dichlorobenzene-d4	12.22	152	276887	46.14	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.28%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.40	85	274988	52.912	ug/L 99
3) Chloromethane	1.54	50	319897	56.479	ug/L 100
5) Vinyl chloride	1.62	62	312813	51.329	ug/L 100
6) Bromomethane	1.87	94	152006	49.243	ug/L 95
8) Chloroethane	1.95	64	175662	49.558	ug/L 97
9) Trichlorofluoromethane	2.16	101	383483	53.120	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	216094	52.141	ug/L 93
12) 1,1-Dichloroethene	2.61	96	197712	48.569	ug/L 84
13) Acetone	2.66	43	343336	124.122	ug/L 95
14) Carbon disulfide	2.82	76	619104	49.364	ug/L 99
15) Methyl Acetate	2.99	43	291880	58.258	ug/L 94
16) Methylene chloride	3.08	84	251070	50.548	ug/L 89
17) trans-1,2-Dichloroethene	3.39	96	209221	48.805	ug/L 92
18) Methyl tert-butyl Ether	3.42	73	674819	52.066	ug/L 97
19) 1,1-Dichloroethane	3.92	63	452907	54.769	ug/L 100
20) cis-1,2-Dichloroethene	4.72	96	238125	49.248	ug/L 90
22) 2-Butanone	4.76	43	441646	120.950	ug/L 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	121949	47.728	ug/L	88
25) Chloroform	5.13	83	461195	54.914	ug/L	100
27) 1,2-Dichloroethane	5.84	62	357740	58.304	ug/L	97
29) Cyclohexane	5.43	56	369626	54.712	ug/L	93
30) 1,1,1-Trichloroethane	5.36	97	369989	53.147	ug/L	98
31) Carbon tetrachloride	5.57	117	330898	53.456	ug/L	98
33) Benzene	5.82	78	969944	52.106	ug/L	100
34) Trichloroethene	6.58	95	239800	50.672	ug/L	92
35) Methylcyclohexane	6.80	83	350303	50.968	ug/L	94
37) 1,2-Dichloropropane	6.83	63	272558	54.676	ug/L	99
38) Bromodichloromethane	7.14	83	337073	53.198	ug/L	100
39) cis-1,3-Dichloropropene	7.64	75	400827	54.096	ug/L	99
40) 4-Methyl-2-pentanone	7.83	43	771056	115.619	ug/L	96
42) Toluene	8.00	91	1050110	53.824	ug/L	99
44) trans-1,3-Dichloropropene	8.24	75	361966	53.294	ug/L	100
45) 1,1,2-Trichloroethane	8.44	97	239636	50.153	ug/L	98
46) Tetrachloroethene	8.58	164	183901	46.474	ug/L	98
48) 2-Hexanone	8.73	43	637630	117.574	ug/L #	90
49) Dibromochloromethane	8.84	129	270740	50.246	ug/L	99
50) 1,2-Dibromoethane	8.96	107	251590	49.353	ug/L	96
51) Chlorobenzene	9.48	112	640802	49.199	ug/L	97
52) Ethylbenzene	9.60	91	1110480	53.242	ug/L	100
53) m,p-Xylene	9.72	106	411833	52.621	ug/L	99
54) o-xylene	10.13	106	398320	52.072	ug/L	91
55) Styrene	10.14	104	681399	53.675	ug/L	97
56) Isopropylbenzene	10.51	105	1022148	53.174	ug/L	98
58) 1,1,1,2,2-Tetrachloroethane	10.81	83	428026	52.008	ug/L	99
59) 1,2,3-Trichloropropane	10.85	75	342140	52.638	ug/L	100
61) Bromoform	10.32	173	202333	44.578	ug/L #	98
62) 1,3-Dichlorobenzene	11.77	146	447499	47.680	ug/L	99
63) 1,4-Dichlorobenzene	11.86	146	443339	46.498	ug/L	99
65) 1,2-Dichlorobenzene	12.24	146	443785	46.445	ug/L	97
66) 1,2-Dibromo-3-chloropropan	13.02	75	73580	49.667	ug/L #	82
67) 1,3,5-Trichlorobenzene	13.24	180	230132	42.442	ug/L	98
68) 1,2,4-trichlorobenzene	13.86	180	134048	36.905	ug/L	99
69) Naphthalene	14.11	128	351320	37.710	ug/L	100
70) 1,2,3-Trichlorobenzene	14.35	180	145686	37.226	ug/L	97

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

