

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082119\
 Data File : VU033863.D
 Acq On : 21 Aug 2019 11:11
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05047

Quant Time: Aug 22 05:39:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM081619WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Aug 19 16:05:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	380761	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	391567	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	208563	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	144295	42.12	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	84.24%
7) Chloroethane-d5	1.67	69	130747	40.81	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	81.62%
11) 1,1-Dichloroethene-d2	2.26	63	266450	46.54	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.08%
21) 2-Butanone-d5	4.15	46	186904	104.04	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	104.04%
24) Chloroform-d	4.62	84	268600	48.71	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.42%
26) 1,2-Dichloroethane-d4	5.28	65	166160	48.17	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.34%
32) Benzene-d6	5.32	84	505317	46.32	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.64%
36) 1,2-Dichloropropane-d6	6.31	67	166357	46.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.56%
41) Toluene-d8	7.55	98	468622	46.23	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.46%
43) trans-1,3-Dichloropropene-	7.83	79	76988	46.43	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.86%
47) 2-Hexanone-d5	8.29	63	128802	98.34	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	98.34%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	254894	51.86	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	103.72%
64) 1,2-Dichlorobenzene-d4	11.84	152	194831	46.87	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.74%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	202449	54.230	ug/L 99
3) Chloromethane	1.32	50	183352	47.755	ug/L 99
5) Vinyl chloride	1.39	62	226026	52.851	ug/L 99
6) Bromomethane	1.61	94	114786	35.500	ug/L 99
8) Chloroethane	1.69	64	139715	47.159	ug/L 98
9) Trichlorofluoromethane	1.87	101	300241	52.938	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	150544	55.449	ug/L 99
12) 1,1-Dichloroethene	2.27	96	140915	53.549	ug/L 93
13) Acetone	2.30	43	212340	120.262	ug/L 97
14) Carbon disulfide	2.46	76	424689	51.179	ug/L 100
15) Methyl Acetate	2.60	43	153545	52.733	ug/L 100
16) Methylene chloride	2.68	84	160416	52.606	ug/L 94
17) trans-1,2-Dichloroethene	2.96	96	142484	51.941	ug/L 98
18) Methyl tert-butyl Ether	2.98	73	415051	51.845	ug/L 99
19) 1,1-Dichloroethane	3.42	63	271824	51.493	ug/L 98
20) cis-1,2-Dichloroethene	4.20	96	158956	53.566	ug/L 99
22) 2-Butanone	4.23	43	235883	116.088	ug/L 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.52	128	85819	53.042	ug/L	99
25) Chloroform	4.65	83	286714	52.263	ug/L	95
27) 1,2-Dichloroethane	5.38	62	224574	53.995	ug/L	98
29) Cyclohexane	4.97	56	224011	53.396	ug/L	98
30) 1,1,1-Trichloroethane	4.89	97	241383	51.206	ug/L	99
31) Carbon tetrachloride	5.11	117	218888	51.027	ug/L	99
33) Benzene	5.37	78	615711	52.054	ug/L	100
34) Trichloroethene	6.16	95	157379	49.854	ug/L	99
35) Methylcyclohexane	6.40	83	250104	54.104	ug/L	99
37) 1,2-Dichloropropane	6.41	63	167529	51.722	ug/L	100
38) Bromodichloromethane	6.74	83	212834	50.751	ug/L	98
39) cis-1,3-Dichloropropene	7.25	75	245227	51.947	ug/L	99
40) 4-Methyl-2-pentanone	7.44	43	403506	106.123	ug/L	99
42) Toluene	7.62	91	675828	54.048	ug/L	99
44) trans-1,3-Dichloropropene	7.86	75	227437	52.424	ug/L	98
45) 1,1,2-Trichloroethane	8.05	97	158561	52.156	ug/L	99
46) Tetrachloroethene	8.21	164	132670	52.421	ug/L	99
48) 2-Hexanone	8.34	43	331581	111.215	ug/L	99
49) Dibromochloromethane	8.46	129	179731	52.357	ug/L	97
50) 1,2-Dibromoethane	8.57	107	166391	51.403	ug/L	96
51) Chlorobenzene	9.10	112	425476	51.517	ug/L	99
52) Ethylbenzene	9.23	91	706245	53.308	ug/L	100
53) m,p-Xylene	9.36	106	270817	54.610	ug/L	97
54) o-xylene	9.76	106	263696	54.877	ug/L	100
55) Styrene	9.77	104	470267	57.117	ug/L	99
56) Isopropylbenzene	10.15	105	686997	54.680	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.44	83	261644	53.173	ug/L	99
59) 1,2,3-Trichloropropane	10.48	75	207350	52.851	ug/L	99
61) Bromoform	9.94	173	134988	51.968	ug/L	99
62) 1,3-Dichlorobenzene	11.40	146	347128	53.039	ug/L	98
63) 1,4-Dichlorobenzene	11.49	146	352190	51.981	ug/L	99
65) 1,2-Dichlorobenzene	11.86	146	343695	52.387	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.64	75	53610	49.146	ug/L	98
67) 1,3,5-Trichlorobenzene	12.87	180	256231	50.755	ug/L	99
68) 1,2,4-trichlorobenzene	13.49	180	209324	50.638	ug/L	100
69) Naphthalene	13.73	128	620642	54.398	ug/L	99
70) 1,2,3-Trichlorobenzene	13.97	180	224702	52.374	ug/L	98

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

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