

Data File : VU033719.D
Acq On : 10 Aug 2019 10:16
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD05058

Quant Time: Aug 11 04:22:50 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080919WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Aug 10 04:26:55 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	324426	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	309946	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	171099	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	122399	51.25	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	102.50%
7) Chloroethane-d5	1.67	69	116748	48.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	97.54%
11) 1,1-Dichloroethene-d2	2.26	63	205467	51.17	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	102.34%
21) 2-Butanone-d5	4.16	46	165710	111.93	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	111.93%
24) Chloroform-d	4.62	84	188448	53.11	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.22%
26) 1,2-Dichloroethane-d4	5.29	65	116466	52.50	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.00%
32) Benzene-d6	5.32	84	378027	51.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.36%
36) 1,2-Dichloropropane-d6	6.31	67	119128	53.07	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	106.14%
41) Toluene-d8	7.55	98	353074	51.32	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.64%
43) trans-1,3-Dichloropropene-	7.83	79	58066	51.22	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	102.44%
47) 2-Hexanone-d5	8.29	63	127182	109.38	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	109.38%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	176241	53.07	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	106.14%
64) 1,2-Dichlorobenzene-d4	11.84	152	142070	49.34	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.68%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	113890	48.122	ug/L 99
3) Chloromethane	1.32	50	120281	49.068	ug/L 99
5) Vinyl chloride	1.40	62	129693	47.489	ug/L 98
6) Bromomethane	1.62	94	79354	35.814	ug/L 99
8) Chloroethane	1.69	64	97952	47.113	ug/L 96
9) Trichlorofluoromethane	1.87	101	177570	47.950	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	94660	48.740	ug/L 98
12) 1,1-Dichloroethene	2.27	96	88719	46.505	ug/L 94
13) Acetone	2.32	43	173211	116.358	ug/L 98
14) Carbon disulfide	2.46	76	253484	47.332	ug/L 100
15) Methyl Acetate	2.60	43	118946	47.957	ug/L 98
16) Methylene chloride	2.68	84	103341	46.685	ug/L 99
17) trans-1,2-Dichloroethene	2.96	96	94274	46.108	ug/L 98
18) Methyl tert-butyl Ether	2.98	73	300628	44.954	ug/L 99
19) 1,1-Dichloroethane	3.42	63	179560	46.536	ug/L 99
20) cis-1,2-Dichloroethene	4.20	96	105870	45.395	ug/L 100
22) 2-Butanone	4.24	43	199144	107.485	ug/L 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.52	128	55324	46.104	ug/L	96
25) Chloroform	4.65	83	185829	46.169	ug/L	100
27) 1,2-Dichloroethane	5.38	62	146928	47.930	ug/L	99
29) Cyclohexane	4.97	56	153871	47.045	ug/L	97
30) 1,1,1-Trichloroethane	4.89	97	157242	46.751	ug/L	99
31) Carbon tetrachloride	5.11	117	138482	45.891	ug/L	99
33) Benzene	5.37	78	404049	46.843	ug/L	100
34) Trichloroethene	6.16	95	102830	45.182	ug/L	97
35) Methylcyclohexane	6.40	83	166518	48.066	ug/L	98
37) 1,2-Dichloropropane	6.41	63	110144	47.848	ug/L	99
38) Bromodichloromethane	6.74	83	139138	47.040	ug/L	96
39) cis-1,3-Dichloropropene	7.25	75	173881	47.532	ug/L	99
40) 4-Methyl-2-pentanone	7.44	43	333615	97.448	ug/L	97
42) Toluene	7.62	91	441692	47.334	ug/L	98
44) trans-1,3-Dichloropropene	7.86	75	153330	47.049	ug/L	98
45) 1,1,2-Trichloroethane	8.05	97	102189	45.410	ug/L	97
46) Tetrachloroethene	8.21	164	86968	46.356	ug/L	98
48) 2-Hexanone	8.34	43	277124	102.803	ug/L	99
49) Dibromochloromethane	8.46	129	116950	46.381	ug/L	100
50) 1,2-Dibromoethane	8.57	107	113795	45.736	ug/L	99
51) Chlorobenzene	9.10	112	284168	46.328	ug/L	99
52) Ethylbenzene	9.23	91	469645	46.008	ug/L	99
53) m,p-Xylene	9.36	106	178725	45.868	ug/L	95
54) o-xylene	9.76	106	177117	45.989	ug/L	99
55) Styrene	9.77	104	310767	48.086	ug/L	99
56) Isopropylbenzene	10.15	105	464449	45.954	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.44	83	185971	47.043	ug/L	99
59) 1,2,3-Trichloropropane	10.48	75	146642	47.121	ug/L	98
61) Bromoform	9.94	173	89641	43.644	ug/L	99
62) 1,3-Dichlorobenzene	11.40	146	231775	44.498	ug/L	98
63) 1,4-Dichlorobenzene	11.49	146	234757	44.497	ug/L	99
65) 1,2-Dichlorobenzene	11.86	146	234551	45.551	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.64	75	44741	45.991	ug/L	97
67) 1,3,5-Trichlorobenzene	12.87	180	184177	44.434	ug/L	99
68) 1,2,4-trichlorobenzene	13.49	180	164153	43.775	ug/L	99
69) Naphthalene	13.73	128	498715	44.401	ug/L	100
70) 1,2,3-Trichlorobenzene	13.97	180	170074	43.871	ug/L	97

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

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