

Experiment in which CCVs were performed	Compound	Internal standard used	Internal standard area (A _{IS})	Internal standard mass (m _{IS} , ng)	RRF _{calibration}	Analyte area (A _L)	Theoretical analyte mass (m _L , ng)	RRF _{CCV}	% D _{RR}	Experimental mass (m _{CCV} , ng)	% B	Average experimental mass (ng)	% P	% D _{RR} < 40%	% D _{RR} > 40%	% B < 40%	% B > 40%	% P < 30%	% P > 30%
LOD and LOQ - 12/04/2019 CCV #1	chloroform	TRIS	2120414	25.47	2.033	18350422.29	129.0	1.708	16.0	108.4	-16.0			TRUE	TRUE	TRUE	TRUE		
	benzene	TRIS	2120414	25.47	6.841	36871110.57	82.61	5.360	21.6	64.73	-21.6			TRUE	TRUE	TRUE	TRUE		
	trichloroethylene	TRIS	2120414	25.47	2.440	30247970.00	141.7	2.563	5.06	148.9	5.1			TRUE	TRUE	TRUE	TRUE		
LOD and LOQ - 12/04/2019 CCV #2	heptane	TRIS	2120414	25.47	3.419	23950909.86	107.7	2.672	21.8	84.14	-21.8			TRUE	TRUE	TRUE	TRUE		
	chloroform	TRIS	1712809	25.47	2.033	131786476.29	129.0	1.486	21.8	100.8	-21.8	104.6	7.25	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
	benzene	TRIS	1712809	25.47	6.841	28253746.57	82.61	5.085	25.7	61.41	-25.7	63.07	5.27	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
LOD and LOQ - 12/09/2019 CCV #1	trichloroethylene	TRIS	1712809	25.47	2.440	25351356	141.7	2.660	9.01	154.5	9.01	151.7	3.69	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
	heptane	TRIS	1712809	25.47	3.419	20841421.86	107.7	2.878	15.8	90.64	-15.8	87.39	7.44	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
	chloroform	TRIS	2019105	25.47	2.033	17500618.29	129.0	1.711	15.8	108.6	-15.8			TRUE	TRUE	TRUE	TRUE		
LOD and LOQ - 12/09/2019 CCV #2	benzene	TRIS	2019105	25.47	6.841	36472722.57	82.61	5.562	18.7	67.16	-18.7			TRUE	TRUE	TRUE	TRUE		
	trichloroethylene	TRIS	2019105	25.47	2.440	31055132	141.7	2.763	13.3	160.5	13.3			TRUE	TRUE	TRUE	TRUE		
	heptane	TRIS	2019105	25.47	3.419	19599315.86	107.7	2.338	31.6	73.63	-31.6			TRUE	TRUE	TRUE	TRUE		
DESORPTION EFFICIENCY AND RECOVERY - 1.00 mL - spikes 1 - 3 CCV #1	chloroform	TRIS	1636482	25.47	2.033	13153363.29	129.0	1.586	22.0	100.7	-22.0	104.7	7.54	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
	benzene	TRIS	1636482	25.47	6.841	26602930.57	82.61	5.399	21.1	65.20	-21.1	66.18	2.97	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
	trichloroethylene	TRIS	1636482	25.47	2.440	24030312	141.7	2.639	8.15	153.3	8.15	156.9	4.62	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
DESORPTION EFFICIENCY AND RECOVERY - 1.00 mL - spikes 1 - 3 CCV #2	heptane	TRIS	1636482	25.47	3.419	18895369.86	107.7	2.744	19.7	86.42	-19.7	80.02	16.0	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
	chloroform	TRIS	2702835	25.47	1.584	22003032	129.0	1.607	1.44	130.9	1.44			TRUE	TRUE	TRUE	TRUE		
	benzene	TRIS	2702835	25.47	4.958	45982631.57	82.61	5.245	5.79	87.40	5.79			TRUE	TRUE	TRUE	TRUE		
DESORPTION EFFICIENCY AND RECOVERY - 1.00 mL - spikes 1 - 3 CCV #1	trichloroethylene	TRIS	2702835	25.47	2.483	34753722	141.7	2.490	0.30	142.2	0.30			TRUE	TRUE	TRUE	TRUE		
	heptane	TRIS	2702835	25.47	2.257	26552508	107.7	2.415	7.03	115.2	7.03			TRUE	TRUE	TRUE	TRUE		
	chloroform	TRIS	2209284	25.47	1.584	16657399	129.0	1.488	6.05	121.2	-6.05	126.1	7.67	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
DESORPTION EFFICIENCY AND RECOVERY - 1.00 mL - spikes 4 - 6 CCV #1	benzene	TRIS	2209284	25.47	4.958	36705539.57	82.61	5.122	3.31	85.34	3.31	86.37	2.98	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
	trichloroethylene	TRIS	2209284	25.47	2.483	32063848	141.7	2.922	6.82	151.4	6.82	146.8	6.29	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
	heptane	TRIS	2209284	25.47	2.257	19894924	107.7	2.204	2.34	105.1	-2.34	110.2	5.15	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
DESORPTION EFFICIENCY AND RECOVERY - 1.00 mL - spikes 4 - 6 CCV #2	chloroform	TRIS	3007429	25.47	1.584	25186420	129.0	1.603	4.35	134.6	4.35			TRUE	TRUE	TRUE	TRUE		
	benzene	TRIS	3007429	25.47	4.958	53827391.57	82.61	5.517	11.3	94.94	11.3			TRUE	TRUE	TRUE	TRUE		
	trichloroethylene	TRIS	3007429	25.47	2.483	29068708	141.7	2.770	4.59	135.3	-4.59			TRUE	TRUE	TRUE	TRUE		
DESORPTION EFFICIENCY AND RECOVERY - 1.00 mL - spikes 1 - 3 CCV #1	heptane	TRIS	3007429	25.47	2.257	33669312	107.7	2.752	23.0	111.3	23.0			TRUE	TRUE	TRUE	TRUE		
	chloroform	TRIS	2217363	25.47	1.584	16139629	129.0	1.453	9.29	128.3	-9.29	126.5	12.9	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
	benzene	TRIS	2217363	25.47	4.958	36117467.57	82.61	5.021	1.28	83.67	1.28	87.81	5.42	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
DESORPTION EFFICIENCY AND RECOVERY - 1.00 mL - spikes 1 - 3 CCV #2	trichloroethylene	TRIS	2217363	25.47	2.483	31473968	141.7	2.924	6.82	145.5	6.82	146.8	1.28	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
	heptane	TRIS	2217363	25.47	2.257	22400906	107.7	2.485	10.1	118.5	10.1	124.9	10.2	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
	chloroform	TRIS	3305884	25.47	1.584	25640848	129.0	1.511	3.35	124.7	-3.35			TRUE	TRUE	TRUE	TRUE		
DESORPTION EFFICIENCY AND RECOVERY - 1.00 mL - spikes 1 - 3 CCV #1	benzene	TRIS	3305884	25.47	4.958	54778007.57	82.61	5.308	3.03	85.12	3.03			TRUE	TRUE	TRUE	TRUE		
	trichloroethylene	TRIS	3305884	25.47	2.483	31473968	141.7	2.923	7.69	130.9	-7.69			TRUE	TRUE	TRUE	TRUE		
	heptane	TRIS	3305884	25.47	2.257	33023808	107.7	2.363	4.71	112.7	4.71			TRUE	TRUE	TRUE	TRUE		
DESORPTION EFFICIENCY AND RECOVERY - 1.00 mL - spikes 1 - 3 CCV #2	chloroform	TRIS	2414794	25.47	1.584	18610878	129.0	1.521	3.97	123.9	-3.97	124.3	0.64	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
	benzene	TRIS	2414794	25.47	4.958	38684315.57	82.61	4.938	0.39	82.29	-0.39	83.70	3.38	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
	trichloroethylene	TRIS	2414794	25.47	2.483	31591132	141.7	2.619	5.48	149.5	-5.48	140.2	13.3	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
DESORPTION EFFICIENCY AND RECOVERY - 1.00 mL - spikes 4 - 6 CCV #1	heptane	TRIS	2414794	25.47	2.257	28550700	107.7	2.807	24.4	133.9	24.4	123.3	17.2	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
	chloroform	TRIS	2618570	25.47	1.584	23271524	129.0	1.754	10.7	142.9	10.7			TRUE	TRUE	TRUE	TRUE		
	benzene	TRIS	2618570	25.47	4.958	46642459.57	82.61	5.491	10.8	91.50	10.8			TRUE	TRUE	TRUE	TRUE		
DESORPTION EFFICIENCY AND RECOVERY - 1.00 mL - spikes 4 - 6 CCV #2	trichloroethylene	TRIS	2618570	25.47	2.483	40823996	141.7	2.787	10.7	156.8	10.7			TRUE	TRUE	TRUE	TRUE		
	heptane	TRIS	2618570	25.47	2.257	23557000	107.7	2.128	5.70	101.5	-5.70			TRUE	TRUE	TRUE	TRUE		
	chloroform	TRIS	2209284	25.47	1.584	16657399	129.0	1.488	6.05	121.2	-6.05	122.1	16.4	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
DESORPTION EFFICIENCY AND RECOVERY - 1.00 mL - spikes 1 - 3 CCV #1	benzene	TRIS	2209284	25.47	4.958	36705539.57	82.61	5.122	3.31	85.34	3.31	88.42	6.96	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
	trichloroethylene	TRIS	2209284	25.47	2.483	32063848	141.7	2.922	6.82	145.4	6.82	146.8	1.28	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
	heptane	TRIS	2209284	25.47	2.257	19894924	107.7	2.121	6.03	101.2	-6.03	101.3	3.53	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
DESORPTION EFFICIENCY AND RECOVERY - 1.00 mL - spikes 1 - 3 CCV #2	chloroform	TRIS	2514181	25.47	1.584	19904260	129.0	1.563	1.35	127.3	-1.35			TRUE	TRUE	TRUE	TRUE		
	benzene	TRIS	2514181	25.47	4.958	41567559.57	82.61	5.097	2.80	84.93	2.80			TRUE	TRUE	TRUE	TRUE		
	trichloroethylene	TRIS	2514181	25.47	2.483	33823828	141.7	2.364	4.76	125.0	-4.76			TRUE	TRUE	TRUE	TRUE		
DESORPTION EFFICIENCY AND RECOVERY - 1.00 mL - spikes 1 - 3 CCV #1	heptane	TRIS	2514181	25.47	2.257	24204732	107.7	2.574	4.59	108.6	4.59			TRUE	TRUE	TRUE	TRUE		
	chloroform	TRIS	2454538	25.47	1.584	20249308	129.0	1.628	2.80	132.6	2.80	130.0	4.12	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
	benzene	TRIS	2454538	25.47	4.958	41308915.57	82.61	5.378	4.45	86.29	4.45	85.61	1.59	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
DESORPTION EFFICIENCY AND RECOVERY - 1.00 mL - spikes 1 - 3 CCV #2	trichloroethylene	TRIS	2454538	25.47	2.483	34406332	141.7	2.521	1.56	143.9	1.56	139.5	6.42	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
	heptane	TRIS	2454538	25.47	2.257	21205218	107.7	2.244	12.7	120.4	12.7	119.5	18.2	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
	chloroform	TRIS	2973822	25.47	1.584	20240276	129.0	1.739	9.80	141.7	9.80			TRUE	TRUE	TRUE	TRUE		
DESORPTION EFFICIENCY AND RECOVERY - 1.00 mL - spikes 4 - 6 CCV #1	benzene	TRIS	2973822	25.47	4.958	51907843.57	82.61	5.381	8.53	89.66	8.53			TRUE	TRUE	TRUE	TRUE		
	trichloroethylene	TRIS	2973822	25.47	2.483	41788180	141.7	2.525	1.71	144.2	1.71			TRUE	TRUE	TRUE	TRUE		
	heptane	TRIS	2973822	25.47	2.257	34784868	107.7	2.613	11.0	120.4	11.0			TRUE	TRUE	TRUE	TRUE		
DESORPTION EFFICIENCY AND RECOVERY - 1.00 mL - spikes 4 - 6 CCV #2	chloroform	TRIS	2871377	25.47	1.584	23852562	129.0	1.624	2.52	132.3	2.52								