

Experiment in which CCVs were performed	Compound	Internal standard used	Internal standard (AIs)	Internal standard mass (m _{int} , ng)	RRF _{calibration}	Analyte area (A _i)	Theoretical analyte mass (m _{th} , ng)	RRF _{CCV}	% D _{int}	Experimental mass (m _{CCV} , ng)	% B	Average experimental mass (ng)	% P	% D _{int} < 40%	% D _{int} > 40%	% B < 40%	% B > 40%	% P < 30%	% P > 30%
DESORPTION EFFICIENCY and RECOVERY - 0.75 mL spikes - 1 - 3 CCV #1	chloroform	THIS	3930326	25.47	1.612	21459781.00	77.42	1.796	11.4	86.28	11.4			TRUE	TRUE	TRUE	TRUE		
	benzene	THIS	3930326	25.47	1.541	41972931.86	49.57	1.487	6.72	52.80	6.72			TRUE	TRUE	TRUE	TRUE		
	trichloroethylene	THIS	3930326	25.47	2.232	23926164.00	85.04	2.158	1.58	82.24	1.58			TRUE	TRUE	TRUE	TRUE		
	heptane	THIS	3930326	25.47	2.641	20148222.00	64.59	2.924	10.7	71.50	10.7			TRUE	TRUE	TRUE	TRUE		
	chloroform	THIS	3311414	25.47	1.612	29797519	77.42	1.809	2.91	79.07	2.91	82.88	7.96	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
	benzene	THIS	3311414	25.47	1.541	36047181.86	49.57	1.500	8.13	53.60	8.13	53.75	1.31	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
	trichloroethylene	THIS	3311414	25.47	2.232	29944070	85.04	2.312	4.31	88.87	4.31	85.56	7.74	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
	heptane	THIS	3311414	25.47	2.641	26762620	64.59	3.160	15.8	72.28	15.8	74.39	7.77	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
	chloroform	THIS	8484174	25.47	1.612	21459781.00	77.42	1.796	11.4	92.77	11.4			TRUE	TRUE	TRUE	TRUE		
	benzene	THIS	8484174	25.47	1.541	4109885.86	49.57	1.787	12.6	55.79	12.6			TRUE	TRUE	TRUE	TRUE		
	trichloroethylene	THIS	8484174	25.47	2.232	28529962	85.04	2.241	4.93	89.21	4.93			TRUE	TRUE	TRUE	TRUE		
	heptane	THIS	8484174	25.47	2.641	39959079	64.59	3.013	71.22	71.22	71.22			TRUE	TRUE	TRUE	TRUE		
DESORPTION EFFICIENCY and RECOVERY - 0.75 mL spikes - 4 - 6 CCV #1	chloroform	THIS	3181336	25.47	1.612	1524777	77.42	1.577	2.17	75.74	2.17	84.25	12.7	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
	benzene	THIS	3181336	25.47	1.541	3100895.86	49.57	1.507	2.82	47.27	2.82	52.03	8.70	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
	trichloroethylene	THIS	3181336	25.47	2.232	3958493.86	49.57	1.725	11.4	55.20	11.4	56.63	1.43	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
	heptane	THIS	3181336	25.47	2.641	2359446	64.59	2.924	10.7	71.50	10.7	71.36	0.00	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
	chloroform	THIS	3385008	25.47	1.612	19831949	77.42	1.822	13.0	87.50	13.0			TRUE	TRUE	TRUE	TRUE		
	benzene	THIS	3385008	25.47	1.541	3958493.86	49.57	1.725	11.4	55.20	11.4			TRUE	TRUE	TRUE	TRUE		
	trichloroethylene	THIS	3385008	25.47	2.232	28451374	85.04	2.418	6.35	92.14	6.35			TRUE	TRUE	TRUE	TRUE		
	heptane	THIS	3385008	25.47	2.641	26981258	64.59	2.967	12.3	72.56	12.3			TRUE	TRUE	TRUE	TRUE		
	chloroform	THIS	3176022	25.47	1.612	15446712	77.42	1.605	2.73	76.85	2.73	82.18	13.0	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
	benzene	THIS	3176022	25.47	1.541	31814875.86	49.57	1.347	0.10	49.62	0.10	52.41	10.6	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
	trichloroethylene	THIS	3176022	25.47	2.232	25386764	85.04	2.294	7.27	91.21	7.27	91.87	1.01	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
	heptane	THIS	3176022	25.47	2.641	33404994	64.59	2.851	9.32	69.87	9.32	71.27	1.81	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
DESORPTION EFFICIENCY and RECOVERY - 2.00 mL spikes - 1 - 3 CCV #1	chloroform	THIS	3553678	25.47	1.612	18407299	77.42	1.704	5.77	81.85	5.77			TRUE	TRUE	TRUE	TRUE		
	benzene	THIS	3553678	25.47	1.541	36580113.86	49.57	1.289	2.86	50.99	2.86			TRUE	TRUE	TRUE	TRUE		
	trichloroethylene	THIS	3553678	25.47	2.232	27831262	85.04	2.344	10.85	89.33	10.85			TRUE	TRUE	TRUE	TRUE		
	heptane	THIS	3553678	25.47	2.641	25587922	64.59	2.885	9.15	70.51	9.15			TRUE	TRUE	TRUE	TRUE		
	chloroform	THIS	2984102	25.47	1.612	34083281	77.42	1.361	1.35	74.98	1.35	76.42	8.76	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
	benzene	THIS	2984102	25.47	1.541	36281205.86	49.57	1.421	50.26	50.63	50.63			TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
	trichloroethylene	THIS	2984102	25.47	2.232	23578856	85.04	2.366	10.95	90.16	10.95	89.74	0.20	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
	heptane	THIS	2984102	25.47	2.641	26762620	64.59	2.967	15.8	72.28	15.8	70.76	0.78	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
	chloroform	THIS	3693940	25.47	1.612	17088280	77.42	1.521	5.92	73.07	5.92			TRUE	TRUE	TRUE	TRUE		
	benzene	THIS	3693940	25.47	1.541	34736705.86	49.57	1.821	6.05	46.58	6.05			TRUE	TRUE	TRUE	TRUE		
	trichloroethylene	THIS	3693940	25.47	2.232	24774500	85.04	2.009	10.0	76.53	10.0			TRUE	TRUE	TRUE	TRUE		
	heptane	THIS	3693940	25.47	2.641	32091585	64.59	2.465	17.0	60.27	17.0			TRUE	TRUE	TRUE	TRUE		
DESORPTION EFFICIENCY and RECOVERY - 5.00 mL spikes - 1 - 3 CCV #2	chloroform	THIS	3246560	25.47	1.612	11421676	77.42	1.553	3.84	74.60	3.84	73.83	2.08	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
	benzene	THIS	3246560	25.47	1.541	3163955.86	49.57	1.873	1.23	47.97	1.23	52.27	2.93	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
	trichloroethylene	THIS	3246560	25.47	2.232	21891364	85.04	1.342	1.34	83.47	1.34	80.00	1.87	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
	heptane	THIS	3246560	25.47	2.641	22114956	64.59	2.685	1.05	65.27	1.05	67.77	7.97	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
	chloroform	THIS	3474821	25.47	1.612	13938899	77.42	1.241	6.02	84.89	6.02			TRUE	TRUE	TRUE	TRUE		
	benzene	THIS	3474821	25.47	1.541	35607121.86	49.57	1.265	1.80	50.76	1.80			TRUE	TRUE	TRUE	TRUE		
	trichloroethylene	THIS	3474821	25.47	2.232	25849724	85.04	2.228	0.17	83.83	0.17			TRUE	TRUE	TRUE	TRUE		
	heptane	THIS	3474821	25.47	2.641	34700868	64.59	2.459	16.59	60.46	16.59			TRUE	TRUE	TRUE	TRUE		
	chloroform	THIS	3053660	25.47	1.612	15044470	77.42	1.621	5.95	77.85	5.95	80.74	7.15	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
	benzene	THIS	3053660	25.47	1.541	31335999.86	49.57	1.525	2.22	50.67	2.22	50.71	0.38	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
	trichloroethylene	THIS	3053660	25.47	2.232	26337910.86	85.04	1.704	19.37	67.37	19.37	66.13	2.88	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
	heptane	THIS	3053660	25.47	2.641	22439116	64.59	1.897	9.68	70.85	9.68	69.70	3.38	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
Experiment in which CCVs were performed	Compound	Internal standard used	Internal standard (AIs)	Internal standard mass (m _{int} , ng)	RRF _{calibration}	Analyte area (A _i)	Theoretical analyte mass (m _{th} , ng)	RRF _{CCV}	% D _{int}	Experimental mass (m _{CCV} , ng)	% B	Average experimental mass (ng)	% P	% D _{int} < 40%	% D _{int} > 40%	% B < 40%	% B > 40%	% P < 30%	% P > 30%
	chloroform	BPBF	30754296	42.54	1.513	49979932.00	35.37	1.954	19.2	45.69	19.2			TRUE	TRUE	TRUE	TRUE		
	tetrachloroethylene	BPBF	30754296	42.54	0.658	19622448.00	104.8	1.763	13.5	121.5	13.5			TRUE	TRUE	TRUE	TRUE		
	ethylbenzene	BPBF	30754296	42.54	2.264	29744423.29	13.90	2.958	10.7	10.17	10.7			TRUE	TRUE	TRUE	TRUE		
	p-xylene	BPBF	30754296	42.54	2.428	44682895.29	19.86	3.250	15.85	26.59	15.85			TRUE	TRUE	TRUE	TRUE		
	o-xylene	BPBF	30754296	42.54	2.448	46500176.71	20.53	3.100	27.28	26.24	27.28			TRUE	TRUE	TRUE	TRUE		
	m-xylene	BPBF	30754296	42.54	3.996	8704763.86	23.38	1.149	18.8	30.12	18.8			TRUE	TRUE	TRUE	TRUE		
	toluene	BPBF	33424378	42.54	1.513	40647142	35.37	1.462	1.32	34.20	1.32	39.94	19.8	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
	ethylbenzene	BPBF	33424378	42.54	0.658	107991478	104.8	0.605	2.80	96.26	2.80	108.4	23.2	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
	p-xylene	BPBF	33424378	42.54	2.264	25130319.29	13.90	3.205	13.0	14.13	13.0	16.15	10.0	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
	o-xylene	BPBF	33424378	42.54	2.428	37713856.29	19.86	2.416	14.99	19.77	14.99	23.18	27.4	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
	m-xylene	BPBF	33424378	42.54	3.996	73906637.71	20.53	1.738	19.0	64.98	19.0			TRUE	TRUE	TRUE	TRUE		
DESORPTION EFFICIENCY and RECOVERY - 0.75 mL spikes - 4 - 6 CCV #1	toluene	BPBF	30956674	42.54	1.513	4986288	35.37	1.837	18.1	45.29	18.1			TRUE	TRUE	TRUE	TRUE		
	tetrachloroethylene	BPBF	30956674	42.54	0.658	26789240	104.8	0.744	13.0	118.5	13.0			TRUE	TRUE	TRUE	TRUE		
	ethylbenzene	BPBF	30956674	42.54	2.264	26426122.29	13.90	2.528	10.8	12.76	10.8			TRUE	TRUE	TRUE	TRUE		
	p-xylene	BPBF	30956674	42.54	2.428	46597663.29	19.86	3.22											