SACRAMENTO METROPOLITAN

AIR QUALITY
MANAGEMENT DISTRICT

SOIL VAPOR EXTRACTION – CARBON BREAKTHROUGH MONITORING FORM

PERMIT NUMBER (S): _____

Sample Date	Sample Time	INLET TO VESSEL #1 CONCENTRATION: PID/FID Reading at Inlet to the First Carbon Vessel in Series (ppm, measured as hexane)	10% of INLET TO VESSEL #1 CONCENTRATION	INLET TO VESSEL #2 CONCENTRATION: PID/FID Reading at Inlet to the Second Carbon Vessel in Series (ppm, measured as hexane)	10% of INLET TO VESSEL #2 CONCENTRATION	Breakthrough Reached in First Carbon Vessel in Series (if INLET TO VESSEL #2 CONCENTRATION exceeds the HIGHER OF: 10% of INLET TO VESSEL #1 CONCENTRATION or ≥10 ppm, measured as hexane)?	INLET TO VESSEL #3 CONCENTRATION: PID/FID Reading at Inlet to the Last Carbon Vessel in Series (ppm, measured as hexane)	Breakthrough Reached in Second Carbon Vessel in Series (if INLET TO VESSEL #3 CONCENTRATION exceeds the HIGHER OF: 10% of INLET TO VESSEL #2 CONCENTRATION or ≥10 ppm, measured as hexane)?	INLET TO VESSEL #1 CONCENTRATION: PID/FID Reading at Inlet to the First Carbon Vessel in Series (ppm, measured as hexane)	1.5% of INLET TO VESSEL #1 CONCENTRATION	OUTLET OF VESSEL #3 CONCENTRATION: PID/FID Reading at Outlet of the Last Carbon Vessel in Series (ppm, measured as hexane)	Breakthrough Reached in Last Carbon Vessel in Series (if OUTLET OF VESSEL #3 CONCENTRATION exceeds the HIGHER OF: 1.5% of INLET TO VESSEL #1 CONCENTRATION or ≥10 ppm, measured as hexane)?
		ppm	x 10% = _____ ppm	ppm	x 10% = _____ ppm	Circle one: Y/N	ppm	Circle one: Y/N	ppm	x 1.5% = _____ ppm	ppm	Circle one: Y/N
		ppm	x 10% = _____ ppm	ppm	x 10% = _____ ppm	Circle one: Y/N	ppm	Circle one: Y/N	ppm	x 1.5% = _____ ppm	ppm	Circle one: Y/N
		ppm	x 10% = _____ ppm	ppm	x 10% = _____ ppm	Circle one: Y/N	ppm	Circle one: Y/N	ppm	x 1.5% = _____ ppm	ppm	Circle one: Y/N
		ppm	x 10% = _____ ppm	ppm	x 10% = _____ ppm	Circle one: Y/N	ppm	Circle one: Y/N	ppm	x 1.5% = _____ ppm	ppm	Circle one: Y/N
		ppm	x 10% = _____ ppm	ppm	x 10% = _____ ppm	Circle one: Y/N	ppm	Circle one: Y/N	ppm	x 1.5% = _____ ppm	ppm	Circle one: Y/N
		ppm	x 10% = _____ ppm	ppm	x 10% = _____ ppm	Circle one: Y/N	ppm	Circle one: Y/N	ppm	x 1.5% = _____ ppm	ppm	Circle one: Y/N
		ppm	x 10% = _____ ppm	ppm	x 10% = _____ ppm	Circle one: Y/N	ppm	Circle one: Y/N	ppm	x 1.5% = _____ ppm	ppm	Circle one: Y/N
		ppm	x 10% = _____ ppm	ppm	x 10% = _____ ppm	Circle one: Y/N	ppm	Circle one: Y/N	ppm	x 1.5% = _____ ppm	ppm	Circle one: Y/N
		ppm	x 10% = _____ ppm	ppm	x 10% = _____ ppm	Circle one: Y/N	ppm	Circle one: Y/N	ppm	x 1.5% = _____ ppm	ppm	Circle one: Y/N
		ppm	x 10% = _____ ppm	ppm	x 10% = _____ ppm	Circle one: Y/N	ppm	Circle one: Y/N	ppm	x 1.5% = _____ ppm	ppm	Circle one: Y/N
		ppm	x 10% = _____ ppm	ppm	x 10% = _____ ppm	Circle one: Y/N	ppm	Circle one: Y/N	ppm	x 1.5% = _____ ppm	ppm	Circle one: Y/N
		ppm	x 10% = _____ ppm	ppm	x 10% = _____ ppm	Circle one: Y/N	ppm	Circle one: Y/N	ppm	x 1.5% = _____ ppm	ppm	Circle one: Y/N