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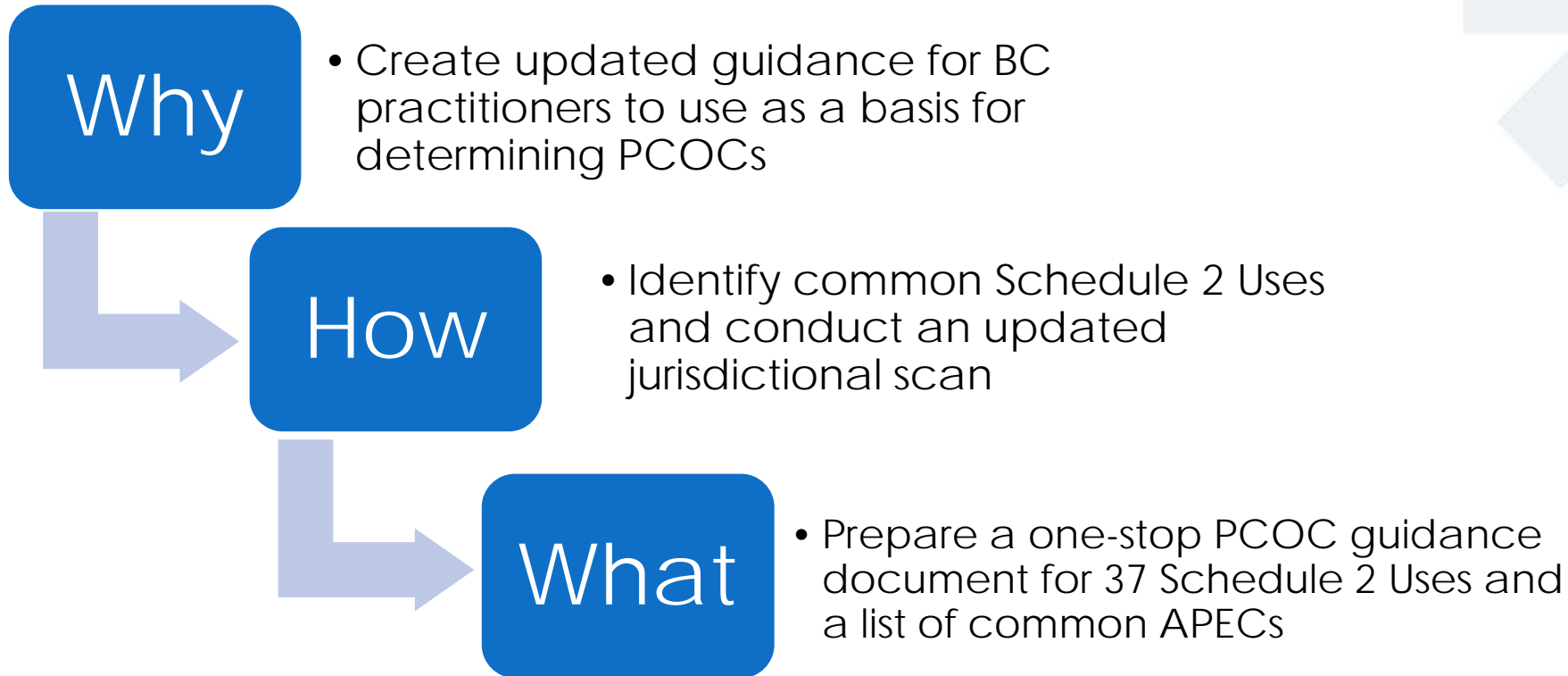
CSAP Guidance for PCOCs



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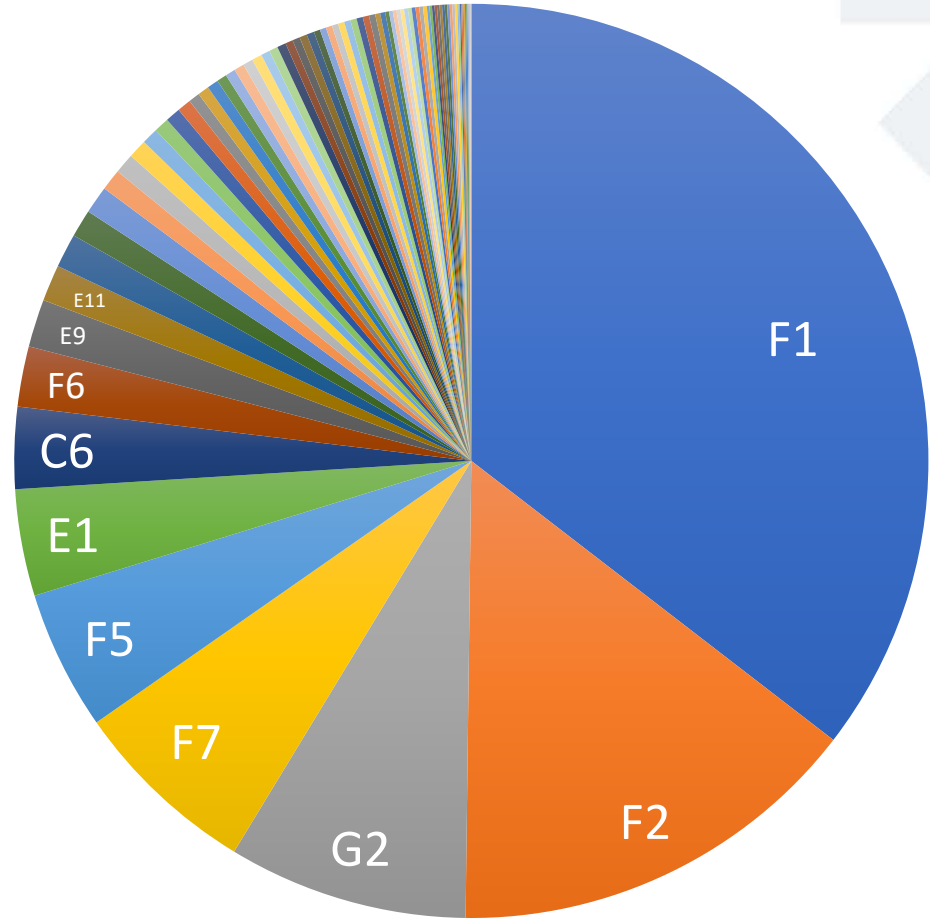
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Outline



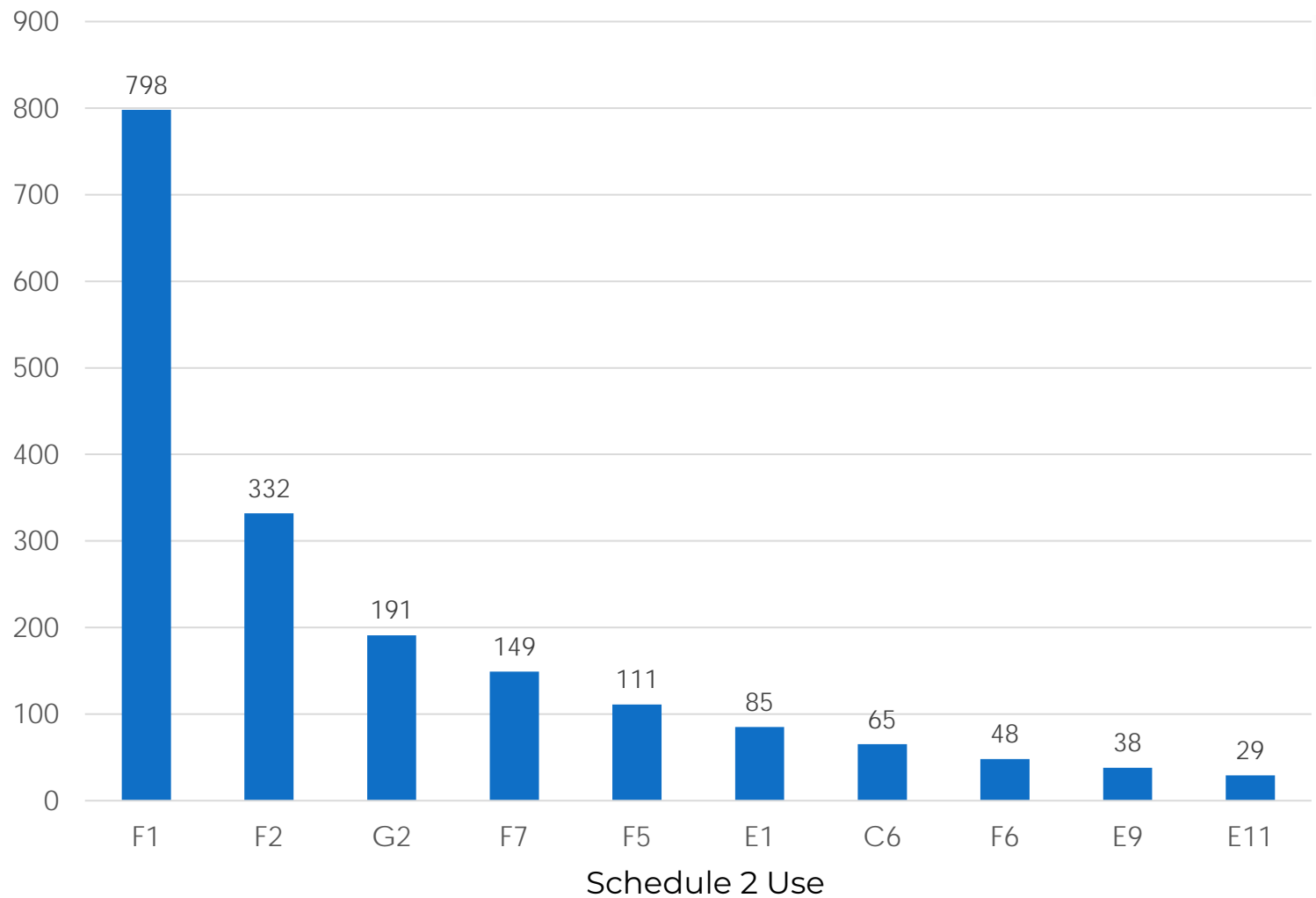
Determine Common Schedule 2 Activities

Number of Sites on the Registry (since Nov 1, 2017)	7034
Number of Schedule 2 uses listed in Site Profiles	2251



Top 10 Schedule 2 Uses

Number of Times Listed in Site Profiles



Focused Questions:

- What are the Fuel PCOCs?
 - SLR 2020 document inconclusive
 - CSAP 2009 Soil Vapour Advice and Practice Guidelines
 - Jurisdictional Scan – no new resources identified

Result: Refined PCOC list for Gas and Diesel Fuel



Focused Questions:



- When should TEL be included as a PCOC?
 - Still a component of aviation fuel
 - May be linked to benzene but research is inconclusive
 - No research available to eliminate TEL as a PCOC in soil

Result: Timeline and fuel type only deciding factor



Focused Questions:



- What metals should be PCOCs for the Most Common CSR Schedule 2 Activities?
 - Consulted PCOC lists available from other jurisdictions
 - Able to identify specific metals for some Schedule 2's
 - Focus on waste oil

Result: Refined PCOC list for Waste Oil

Parameter Groups (Draft)

PARAMATER GROUP	INDIVIDUAL PARAMETERS
Dry cleaning VOC	1,1,1-trichloroethane
	1,1-dichloroethane
	1,1-dichloroethylene
	1,2-dichloroethane
	carbon tetrachloride
	chloroethane
	chloroform
	cis-1,2-dichloroethylene
	methylene chloride (dichloromethane)
	tetrachloroethylene
	trans-1,2-dichloroethylene
	trichloroethylene
	vinyl chloride

Goal: create lists of regulated parameters that can be tested at an accredited laboratory



Likely vs Possible PCOCs



Likely PCOCs - commonly identified contaminants for any given Schedule 2 Use regardless of the circumstances or specific activities that have occurred or are occurring

Possible PCOCs - may be identified at any given Schedule 2 Use if certain circumstances or activities have occurred

Likely vs Possible PCOCs (Draft)

Schedule 2 Use	Likely PCOCs	Possible PCOCs	
		Possible Parameter	Related Activity/Source
E9. Dry cleaning facilities or operations and dry cleaning chemical storage, excluding	Drycleaning VOC	VPH	if Stoddard solvent was used, primarily before 1970
		LEPH	
		BTEX	

- 37 Schedule 2 Uses included
- Relied heavily on work done in 2018 and 2020
- Consulted literature sources, as needed
- Leveraged experience from the LEGACY/Thurber team

Common APECs (Draft)

APEC	Likely PCOCs	Possible PCOCs	
		Possible Parameter	Related Activity/Source
Fill	LEPH, HEPH, PAH, Metals	BTEX	If there is a known hydrocarbon source or if field screening or observations indicates a volatile hydrocarbon source
		VPH	

- 11 Common APECs included
- Leveraged experience from the LEGACY/Thurber team

Next Steps



- Draft will be available the week of November 21st for CSAP member comments
- CSAP comments due – December 15, 2022
- Comments to be submitted to TRC@csapsociety.bc.ca



Questions?



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